

DYES & CHEMICAL MARKET

APRIL 2023

VOLUME X | ISSUE # 9

MUMBAI | PAGES 80



Connecting the Chemical Industry Together !

A MONTHLY MAGAZINE DEVOTED TO

DYES CHEMICALS PHARMACEUTICALS API TEXTILE AUXILIARIES PAINTS SOLVENTS COSMETICS

Advertise in our magazine ([Click Here](#)) | Subscribe Whatsapp version of our Magazine: ([Click Here](#))

Evonik's New Dispersant for Water-borne Printing Inks is Safe, Effective, and Widely Usable -Pg77

Dow Personal Care Accelerates Sustainable Portfolio Transformation with Six New Product Launches at In-Cosmetics Global 2023 -Pg53



ABB India Automates First India-Bangladesh Cross-Border Oil Pipeline -Pg47



Get Access to our [LEADS Platform](#) & [Post Buy enquiries](#)

[Subscribe our magazine online](#)

by signing up at www.chemicalmarket.net

TOTAL SOLUTION FOR PAINT MANUFACTURING & APPLICATION

book
your
space !!



Expo Paint And[®] Coatings - 2023

CONCURRENT EVENT



EXHIBITION ON BRUSH MANUFACTURING INDUSTRY

13 14 15

JULY 2023

DELHI PRAGATI MAIDAN



A PROVEN MARKET PLACE FOR PAINT & COATING INDUSTRY

PAINT PRODUCTION

- Raw Materials And Chemicals
- Pigment, Adhesives, Additives
- Construction Chemicals
- Capital Equipment/Machines
- Testing & Analytical Instruments
- Paint Conveying & Handling Sys.
- Packaging & Containers

APPLICATION SYSTEMS

- Systems for Paint & Coatings Application
- Powder/Liquid/Coil Coating Systems
- Spray Guns /Paint Booths/Etc.
- Paint Brushes & Rollers
- Drying/Curing/Stripping Equipment
- Automation & Compressors
- Allied Technology & Services

INDUSTRIAL COATINGS

- All Kind of Industrial Coatings- Protective, Anti Corrosion-Water proofing-Fire retardant
- Metal-Wood-Plastic-Glass-Ceramics
- Marine Coatings , Auto Refinishes
- Special purpose Coatings
- Pre treatment & Protective Chemicals
- Surface Preparation & Finishing



5000 m²
EXHIBITION
SPACE



200+
EXHIBITORS



10000+
VISITORS



TECHNICAL
CONFERENCE

Organiser



TOREDO FAIRS INDIA PVT LTD

[Click to request more info](#)

Media Partners

CHEMICAL
MARKET

COATINGS AND
ANTI CORROSION
ENGINEERING REVIEW



+91 98453 63225 | 99864 36557

info@expopaintcoating.in www.expopaintcoating.in



LIST OF ADVERTISERS

[Aahan Chemiex LLP \(Click Here\)](#)
[Aadish Impex Pvt Ltd \(Click Here\)](#)
[Acmeofil Engineering Systems Pvt Ltd \(Click Here\)](#)
[Almas Life Science \(Click Here\)](#)
[Arpit Synthetics \(Click Here\)](#)
[Akshat Rasayan \(Click Here\)](#)
[Ashwamegh Industries \(Click Here\)](#)
[Bhumichem \(Click Here\)](#)
[Color Wave Industries \(Click Here\)](#)
[Desai Interchem \(Click Here\)](#)
[Enzosynth Private Limited \(Click Here\)](#)
[Elchemy \(Click Here\)](#)
[Fortune Imex \(Click Here\)](#)
[Gayatri Enterprise \(Click Here\)](#)
[Haoda Enterprises \(Click Here\)](#)
[Haresh Acids & Chemicals Pvt. Ltd. \(Click Here\)](#)
[Hindustan Phosphates Pvt. Ltd. \(Click Here\)](#)
[Hind Elastomers Pvt Ltd \(Click Here\)](#)
[Hari Krishna Laser Technology \(Click Here\)](#)
[Inventys Research Company Pvt Ltd \(Click Here\)](#)
[J J Chemicals \(Click Here\)](#)
[J.J. Enterprises \(Click Here\)](#)
[Jovika Enterprise \(Click Here\)](#)
[Kamsons Polymers Pvt. Ltd \(Click Here\)](#)
[Keshav Engineering \(Click Here\)](#)
[K D Chem \(Click Here\)](#)
[Kayson Inks & Chemicals \(Click Here\)](#)
[Krishna Petrochemicals \(Click Here\)](#)
[Labdhi Petrochem \(Click Here\)](#)
[Lalko Exim Pvt. Ltd. \(Click Here\)](#)
[Matrix Global Speciality Private Limited \(Click Here\)](#)

[Manas Petro Chem \(Click Here\)](#)
[M. Y. Dyes & Chemicals \(Click Here\)](#)
[Narsipur Chemicals Pvt. Ltd. \(Click Here\)](#)
[Nilesh Chemicals Industries \(Click Here\)](#)
[Nikava Pharmaceutical Industries \(Click Here\)](#)
[Ohm Dye Chem \(Click Here\)](#)
[Omkar Pharma Chem \(Click Here\)](#)
[Om Tex Chem Pvt Ltd \(Click Here\)](#)
[Paramount Dye Chem Industries \(Click Here\)](#)
[Pyro Trade Link \(Click Here\)](#)
[P & C Chem Cloud \(Click Here\)](#)
[Rachana Organics Pvt Ltd \(Click Here\)](#)
[Ramdev Chemical Industries \(Click Here\)](#)
[Razon Engineering Company Pvt. Ltd. \(Click Here\)](#)
[Royal Engineering Hub \(Click Here\)](#)
[Rosefield Energy Pvt Ltd \(Click Here\)](#)
[Rajiv Enterprises \(Click Here\)](#)
[Sakshi Chem Science Pvt. Ltd. \(Click Here\)](#)
[Shital Industries \(Click Here\)](#)
[SM Dharani Chem Pvt Ltd \(Click Here\)](#)
[Swadesh Life Science \(Click Here\)](#)
[Shivam Agro Industries \(Click Here\)](#)
[SGS & Company \(Click Here\)](#)
[Tirupati Chemical Corporation \(Click Here\)](#)
[Viaana Intermediates \(Click Here\)](#)
[Vinipul Inorganics Pvt Ltd \(Click Here\)](#)
[Vasudev Enterprise \(Click Here\)](#)
[Welcome Chemicals \(Click Here\)](#)

new advertisers will be added here as and when the profile page is ready for the customers on [Chemical Market Leads Platform \(click here\)](#)

[Click on the company to view the company profile](#)



- Bis(2-Chloroethyl)Amine Hydrochloride
CAS NO:- 821-48-7
- 2-Dimethylaminoethyl Chloride Hydrochloride
CAS NO:- 4584-46-7
- Diethylaminoethyl Chloride Hydrochloride
CAS NO:- 869-24-9
- 2-(Diisopropylamino) Ethyl Chloride Hydrochloride
CAS NO:- 4261-68-1
- 2-Chloroethylamine Hydrochloride
CAS NO:- 870-24 6
- Isobutyryl Chloride
CAS NO:- 79-30-1
- 4-chloro Butrylchloride
CAS NO:- 4635-59-0
- R(-)-3-Carbomylmehltly-5-Methyl Hexanoic Acid
(RCMH) CAS NO:- 181289-33-8



VASUDEV ENTERPRISE

2nd Floor, 70, Kolivad Faliyu, Puna Bombay Market Road, Punagam, Surat, Gujarat - 395010.
Mobile:- 7265908722 Email:- vasudevchemicalindustries@gmail.com

VIAANA INTERMEDIATES



- Solvents
- Dasa
- H-Acid
- J-Acid
- K-Acid
- Sodium Acetate
- Sodium Sulphate
- Sodium Bi-Carbonate
- Soda Ash
- Sodium Nitrite
- Pharma Intermediates
- Ortho Chloro Benzoic Acid
- Formic Acid 85%
- Aniline Oil
- 2,6 Di Chloro Phenol
- Chloro Acetylene Chloride (CAC)
- Sodium Methoxide 30%
- Aluminium Chloride
- Di Methyl Aniline
- Tertiary Butyl Alcohol

Block B 20 Phase-I, GIDC,
Naroda, Ahmedabad-382330. Mob.: +91 99741 08580
[Email : viaanaintermediates@gmail.com](mailto:viaanaintermediates@gmail.com)





WELCOME CHEMICALS

MINERALS • CHEMICALS • PIGMENTS • FERRO ALLOYS

K-003, Sonam Sneh CHS Ltd., Golden Nest Phase I,
Mira Bhayander Road, Mira Road (E), Thane - 401107.
Email: welcomechemicals@yahoo.co.in
Website:- www.welcomechemicals.in
Contact: 9920284706/8108446677

- ALUMINIUM SILICATE, ALUMINIUM OXIDE, ALUMINIUM STEARATE. ATH BARYTES
- BARIUM SULPHATE PPT, BENTONITE
- CALCINED ALUMINA, CHINACLAY, CALCITE, CALCIUM CARBONATE, CALCIUM STEARATE
- DOLOMITE, DIATOMACEOUS EARTH
- FELDSPAR, FERRO MANGANESE
- GRAPHITE
- HYDRATED LIME
- KAOLIN
- MAGNESIUM OXIDE, MANGANESE DIOXIDE, MICA, MAGNESIUM STEARATE
- POTASSIUM SILICATE LIQUID/POWDER
- QUARTZ SAND-ALL SIZE
- RED OXIDE NATURAL/SYNTHETIC
- SILICA POWDER/SAND, SODIUM SILICATE LIQUID/POWDER • SILICON DEFOAMER
- VERMICULITE EXFOLIATED
- YELLOW OXIDE NATURAL/SYNTHETIC
- ZEOLITE NATURAL, ZINC BORATE, ZINC OXIDE, ZINC PHOSPHATE, ZIRCON SAND, ZINC STEARATE

Kishore Kumar

Whatsapp: +86 133 6141 1987

Haoda Enterprises

Product Origin : CHINA
In partnership with Zhejiang Sino Trust Chemical Co. Ltd

ORGANIC INTERMEDIATE

1. Adamantane	CAS RN. 281-23-2	8. Aluminium chloride	CAS RN.7446-70-0
2. Adamantanamine hydrochloride	CAS RN. 665-66-7	9. Chlorinated Paraffin-52	CAS NO. 106232-86-4
3. Benzoyl chloride	CAS RN. 98-88-4	10. Chlorinated Paraffin-70	CAS RN.106232-86-4
4. Benzotrichloride	CAS RN.98-07-7	11. Sodium hypochlorite	CAS RN.7681-52-9
5. Chloroethylene carbonate	CAS RN.3967-54-2	12. Methyl methacrylate	CAS RN.80-62-6
6. Dichloromethane	CAS RN. 75-09-2	13. Methacrylic acid	CAS RN.79-49-4
7. Aniline	CAS RN.62-53-3	14. Diethyl oxalate	CAS RN.95-92-1

177, Shop No.3, Haoda Enterprises, Near MK Hospital,
St. Michal Church Building, Ground Floor,
Strahans Road, Pattalam, Chennai, 600012.

Phone / Whatsapp : +91 90735 89301

Web : www.sns-chemical.com / www.haodaenterprises.tradeindia.com



GAYATRI ENTERPRISE

Dealers in : Wax-Metalic Stearate-Fatty Acid



Anil Mehta

- **STEARIC ACID**
Cosmetic Grade /Plastic Grade / Rubber Grade /
Textile Grade
- **PALM WAX (HTO)**
- **HYDROCARBON WAX (H.C.WAX)**
- **FATTY ALCOHOL PITCH**
- **VEGETABLE WAX (SLAB FORM)**
- **ALL STEARATE**
ZINC STEARATE/ CALCIUM STEARATE/
ALUMINIUM STEARATE / SODIUM STEARATE
- **RICE BRAN FATTY ACID (RBFA)**
- **SILICONE EMULSION**
- **RESIDUE WAX**
- **PARAFFIN WAX - Semi Refined Paraffin Wax /
Fully Refined Paraffin Wax**
- **OLEIC ACID**
- **POLYETHYLEN WAX (PE WAX)**
- **SLACK WAX**
- **TOLUENE**
- **BITUMEN**
- **ONE PACK ALL TYPE**
- **HYDROGENATED CASTOR OIL (HCO)**
- **RUBBER PROCESS OIL**

103, Rajasthan Industrial Estate,
Patanwala Compound, L.B.S. Marg,
Ghatkopar (West) Mumbai - 400 086.
Email:- gayatriwax@gmail.com
Mobile:- 9320529036 / 7666529036
Phone:- 022 35674354

OUR ASSOCIATE PARTNER

M/S GRASIM IND. LTD

• Bleaching Powder (Vikram Brand) • Aluminium Chloride • Sodium Sulphate • Bleaching Granules (Ransa) • Caustic Flacks & Lye • PAC (Powder & Liq.)

M/S MAGNESIA CHEMICAL LLP • POTASSIUM PERMANGANATE (KMNO₄) All Grade

OUR MANUFACTURING PRODUCTS

Phosphate Range Products

• MSP • DSP & TSP (Anhydrous & Crystal)
TPP • SAPP MAP • DPP TPPP • DAP • TSPP & MPP

Precipitated Silica Powder

• All Grade

Textile Chemicals of Commercial Grade

• Tartaric Acid • Citric Acid • Oxalic Acid

OUR OWN IMPORT PRODUCTS

• EDTA Di/Tetra & Acid • Sodium Gluconate • Xanthum Gum • Sodium Percarbonate Coated Granules & Tablets • Citric Acid Mono / Anhydrous China Make

Solvents

• Meg • DMF • Toluene • Acetone • N-Hexane • Ethyl Acetate • IPA

Acid

• Acetic Acid- Imported & GNFC • Formic Acid 85%-Gnfc • HCL • Sulphuric Acid 98%
• Sulphamic Acid • Phosphoric Acid

MORE PRODUCTS FOR ETP

• Technical Urea • Aluminium Sulphate (Ferric & Non-Ferric) • Ferric Chloride Powder
• Sodium Hypochlorite (Hypo) • Lime • Anti-Scaling Agent
• Bleaching Powder – GACL Make • Poly Electrolyte

OTHER PRODUCTS

• Sodium Bi Carbonate • Soda Ash • DCP- Feed Grade • Sodium Acetate
Trihydrate & Anhydrous • Sodium Nitrite & Nitrate • BKC 50% & 80%
• Calcium Carbonate (Lime Stone)

GACL Products

• Bleaching Powder • HP (Hydrogen Peroxide) • Caustic
Potash • Caustic Prills • Potassium Carbonate Granules & Powder
• PAC Powder & Liquid

TIRUPATI CHEMICAL CORPORATION

Leading Chemical Manufacturer & Exporter

Gopal Kapadia - 9825123618

Ware House :

P. No.: 209, Road No. 2, Near Ice Factory,
GIDC, Sachin - 394230



Office : 102, Jay Sagar Complex, B/h. Sub Jail,
Khatodra, Ring Road, Surat, Gujarat-395002. O : 9313698897
E-mail : tcc2010@yahoo.com / info@tirupatichemicalcorp.com
Web : <http://tirupatichemicalcorp.com>





Mr. Sanjay
Managing Director
M : 9727710583

SGS & COMPANY

Authorised Dealers of :
Reliance Industries Ltd. for Glycols

A2/57, Shreeji Villa Duplex-1, Near Vaikunth-2,
New Vip Road, Sayajipura,
Baroda-390018, Gujarat, India.
Mobile : 9924404303

Email: sales@sgscompany.in
marketing@sgscompany.in
Website: www.sgscompany.in

Di Ethylene Glycol (DEG) • Mono Ethylene Glycol (MEG) • Tri Ethylene Glycol (TEG) • Glacial Acetic Acid • Formic Acid 85 % • Ethyl Acetate • Tech Grade Urea • TDI: Toluene Di Isosynate

Sodium Sulphite 95% • Sodium MetaBisulphite (SMBS) 62%, 64% • Sodium Bisulphite 62% • Sodium Nitrate

Acrylic Acid • Boric Acid • Lithium Carbonate (Technical Grade/ Pure Grade) • Ammonium Bifluoride (Technical grade) • Benzylidene (Benzal) Acetone • Benzaldehyde • Formaldehyde 37 % • Copper Sulphate (24%, 24.5%, 25%) Powder • Zinc Oxide 99%

Ammonium Sulphite Solution • Ammonium BiSulphite Solution • Ammonium Thiosulphate Solution • Potassium Sulphite Solution

Potassium Bisulphite Solution • Potassium Thiosulphate Solution • Potassium Metabisulphite (Tech/Pure Grade)



Custom Manufacturing

Inventys offers customized development & manufacturing services for Crop Protection, Pharma & Specialities. We have state-of-the-art competence in process R&D and small to medium scale manufacturing conforming from ISO up to GMP standards.



Active Pharmaceutical Ingredients (API)
Registered Starting Materials
Advanced Intermediates
Active Ingredients
Crop Protection Intermediates
Specialties

• 3-Ethyl-4-methyl-3-pyrrolin-2-one [EMPO]	766-36-9
• Acetonitrile	75-05-8
• 4-Fluorophenol	371-41-5
• Benzethonium Chloride (BTC)	121-54-0
• 2-Amino-5-chlorobenzoic Acid [ACBA]	635-21-2
• Decanenitrile (DCN)	1975-78-6
• 5-Methyl 5-Phenyl Hydantoin [MPH]	6843-49-8
• 3,4-Dimethylpyrazole [DMP]	2820-37-3
• 3,4-Dimethylpyrazole Phosphate	202842-98-6
• Sucralfate	54182-58-0
• Isatoic Anhydride	118-48-9
• 3-Chloroaniline [MCA]	108-42-9
• 5-Chloro Thiophene-2-Carboxylic Acid [5CTA]	24065-33-6
• 2,6-Dimethyl-1-Indanone	66309-83-9
• 2-Amino-4-methoxy-6-methyl-1,3,5-triazine [AMT]	1668-54-8
• Di-Bromo-5-Methyl 5-Phenyl Hydantoin [DBH]	
• 5-tert-Butyl-m-Xylene	98-19-1
• 1-Chlor-2-methoxynaphthalene	13101-92-3
• 2-Bromo-6-methoxynaphthalene	5111-65-9

INVENTYS RESEARCH COMPANY PVT. LTD.

Kanakia Zillion, Near Kurla Bus Depot, Kurla (W), Mumbai-400 070, INDIA.

Phone : +91-22-71400200 • Fax : +91-22-71400299 • Email : genq@inventys.in



Aadish Impex Pvt. Ltd.

- Speciality Chemicals
- γ -Butyrolactone
- N-Acetyl-L-cysteine
- Ethylenediamine Diacetate
- Lab Chemicals
- 2-Ethylhexanol
- Cholesterol
- Decanol



Cell : +91 7710067023
 Web : www.aadishimpex.com
 E-mail : aadish@aadishimpex.com

**GNP Solitaire Industrial Estate,
 Unit No. 12, First Floor,
 MIDC, Dombivli - 421203,
 Maharashtra, India**

G. PREM
 M : 98400 86649
rajivent2004@yahoo.com

**RAJIV
 ENTERPRISES**



ULTRAFINE COPPER POWDER

Isotope	Measured Abundance % at
Cu63	69.09 \pm 0.05
Cu65	30.91 \pm 0.03

Isotopic Abundance corresponds to natural

No. 4, Thirumurugan Street, 1st Flr.,
 Bharathi Nagar, Nesapakkam,
 Chennai-600078

Tel.: 044 24700210
 Whatsapp : +6590029402
Business@arnasg.com

Anal Patel

Aahan
 CHEMIEX LLP

**We are Manufacturing Textile, Paper and
 Home Cleaning Products**

TEXTILE CHEMICALS

Dye Fixing Agent • T R Oil • Antifoam Agent •
 Optical Whitening Agent • Wetting Agent • Merceriz-
 ing Agent • Leveling Agent • Soaping Agent

HOME CLEANING PRODUCTS

Liquid Detergent • Hand Wash • Dish Wash •
 Tolite Cleaner • Glass Cleaner • All Purpose Cleaner
 Car Polish • Tyre Polish • Car Shampoo

PAPER CHEMICAL

Silicone Defoamer • Non silicone Defoamer •
 Sizing Chemical

12/2, Shakriba Estate, B/h. Phase IV, Water Tank, GIDC,
 Vatva, Ahmedabad-382445, Gujarat, India.

Mobile : +91-98254 50803 • Tel.: +079-4604 4638

Email : aahanchemiex@gmail.com • Web : www.aahanchem.com



Aluminum Sulphate
(Powder/ Liquid/ Lumps) Non ferric Grade
Sodium Sulphate (Powder)
Soda Ash Substitute (Replacement) for Textile
Ammonium Sulphate Caprolactam Grade
Many types of Sodium Phosphates
Textile dyeing and Auxiliaries Chemicals
Alkali Solution for Water treatment
Soda Ash Light/ Dense (Sodium Carbonate)
Urea Technical Grade (Industrial Use Only)
Poly Aluminum Chloride Powder and Liquid

Liquid Alkali for Textile application
Nitric Acid
Calcium Hypo Chlorite 65%-70%
Acetic Acid Glacial
Caustic Potash/ Soda Flakes
Hydrogen Peroxide 50%
Detergent Raw Material
Water Treatment Chemicals
Sodium Bicarbonate
(Food Grade/ Animal Feed Grade/ Technical Grade)



SM Dharani Chem
Private Limited

505, 5th Floor, Shivalik Shilp 1, Iscon Circle,
S.G. Highway, Ahmedabad – 380015, Gujarat, India.
Phone : +91 9879408765, +91-9157624274,
+91 78019 33591, +91 079-35623508

Email : manish@smdcpl.in / honeygajjar@smdcpl.in

Website : www.smdharani.com / www.smdcpl.in



Kamsons
Maximising the power of polymers

ISO 9001: 2015 | Duns Number: 871887168

• A leading manufacturer and exporter of
Acrylic Resin Emulsions and Polyurethane Dispersions.

• Continuous R&D to deliver the highest quality products.

Our trademark offerings **Kamicryl** and **Kamthane** are available
across a wide range of industry categories.

**Styrene Acrylic Emulsions | Pure Acrylic Emulsions
Polyurethane Dispersions**

THE INDUSTRIES WE CATER TO ARE

- PAINTS •
- CONSTRUCTION CHEMICALS •
- PRINTING INKS •
- PACKAGING •

HEAD OFFICE :

Embassy Chamber,
Suite 1003, 3rd Road, Khar (W),
Mumbai - 400052. Maharashtra, India.

Tel.: +91-22-4202 9999 (Board Line)
+91 98197 54448

Email : response@kamsons.com / info@kamsons.net

Web.: www.kamsons.com



**PARAMOUNT
DYE CHEM INDUSTRIES**

MANUFACTURES OF :

**TURKEY
RED OIL**

35%, 50%, 65%

WE MANUFACTURE ALL GRADES

Mob:- 9723393760 / 8200988551

Website:- www.paramountdyechem.com

Email:- parakisma@gmail.com

info@paramountdyechem.com

Shed No. C1, 6140, Rd No. 61,
Sachin GIDC, Surat,
Gujarat, India 394230



HIND ELASTOMERS PVT. LTD.

STARMAG MAGNESIUM OXIDE (JAPAN)

- 'STARMAG' is light burned and reactive Magnesium Oxide of high Purity, Isolated from Seawater with Chemical Process.
- 'STARMAG' 150 is High Activity, 'STARMAG' M is Medium Activity, 'STARMAG' L is low activity grade.
- Each grade has Special Characteristics such as good Dispersability and Workability for various Polymers.
- 'STARMAG' CX150 is Coated so it shows Superior Affinity, Dispersability and Workability for various Polymers.

MAIN USES

Halogenated Elastomer	Magnesia Cement	Friction material
Dyes	Plastics	Catalysts
Refractory	Curing agent for phenolic resin	Absorbents
Food Additive & Animal Feed	Thickening agent for SMC / BMC	Grind Stones
Additive	Glass	Electrical Steel
Pharma	Ceramics	

AUTHORISED IMPORTER & STOCKIST



HIND ELASTOMERS PVT. LTD.

702/703 Prasad Chambers, Tata Road No. 2,
Swadeshi Mills Compound, Opera House, Mumbai - 400 004.
Tel.: 022-2363 2222 / 2361 2222 Mobile : 93230 08200 / 88280 00777
Email : mail@hindelastomers.com • Website : www.hindelastomers.com



Krishna Petrochemicals

- **Lanolin Wax** (Waxes: most suitable to Metal Polishing Luster bar & Aluminium composite panel industries)
- **Rice Bran Wax**
- **Multipurpose Wax**
- **Furnace Oil**
- **Light Density Oil (LDO)**
- **Lamp Oil / Pooja Oil**
- **Pitch Oil**
- **Mixed Hydrocarbon Oil (MHO)**
- **MTO**



301, Saman-II, Opp. Reliance Petrol Pump,
Anandnagar Cross Road, Satellite,
Ahmedabad-15. Phone:- +91 79-40060297
Email : ceo@krishnapetrochem.com

Satish Sejpal
9825245229

Meghal Sutariya
M.D.
Mobile: 9925020740



HARI KRISHNA LASER TECHNOLOGY

Since 1991

**HP (High Purity)
Selenium Granules 5N
99.99999%**

15, Sahyog Society, B/h. Sumul Dairy,
Sumul Dairy Road, Surat - 395008
(Gujarat-INDIA) Ph:- 0261 2535011
Website:- www.laserhkt.com

Email:
hktlaser@yahoo.com
info@laserhkt.com

Ajit Pal Singh Bhatia

KAYSON INKS & CHEMICALS

DEALS IN : RUBBER CHEMICALS &
PAINT CHEMICALS

- **RUBBER CHEMICALS**
- **CARBON**
- **EVA RESIN**
- **RUBBER CRUMB**
- **LD**
- **DCP**
- **EV**
- **STERIC**
- **ZINC**

Plot No. 77, Nagra, Maqsudan,
Back Side New Sabzi Mandi, Jalandhar - 144008.
Mobile : 7889150875 Email:- ajiitpal27@gmail.com



**ROSEFIELD
B2B
EVOLVING ENERGY**

**Committed To
SUSTAINABILITY**

Sectors we Serve



EV



Energy

Our Services



Consultancy



Finding Business Partner



Trainings



Webinars & Events

To know more:



www.rosefieldenergytech.com
+91 86558 86395



OM TEX
CHEM

SANJAY PONDA

Director - Commercial

Mobile - 9821056471

OM TEX CHEM PVT. LTD.

Your Silicone Destination!

- **Silicone Oil**
- **Amino Silicone Oil**
- **Block Silicone Oil**
- **Block Silicone Emulsion**
- **Hydrophilic Silicone**
- **Silicone Defoamers**
- **Silicone Emulsion**
- **Silicone Softner**
- **Silicone Spreader**
- **Masonry Water Repellent**

Plot No. 243/244, Jawahar Co-op. Ind. Estate,
Village Kamothe, Kalamboli, Tal. Panvel,
Dist. Raigad, Navi Mumbai-410209.
Tel:- 022-27431950 / 51 / 52 / 53

Email:- omtexchem@gmail.com

Web:- www.omtexchem.com

Ammonium Acetate	Crystal Pure	-----
Ammonium Carbonate	Lumps	Powder / Flakes
Ammonium Chloride	Technical	Pure: 99%
Ammonium Formate	Crystal	-----
Ammonium Oxalate	Crystal-Monohydrate	-----
Ammonium Sulphate	Technical	Pure: 99%
Mono Ammonium Phosphate	Technical	Pure
Di Ammonium Phosphate	Technical	Pure: 99%
Calcium Acetate	-----	Anhydrous
Calcium Chloride 75%, 85%, 95%	Fused/Lumps	Powder
Tri Calcium Phosphate	-----	Anhydrous
Ferric Chloride	40% Solution	Anhydrous
Magnesium Sulphate	Heptahydrate	Monohydrate
Manganese Sulphate	32% mn	-----
Potassium Acetate	-----	Anhydrous
Potassium Chloride	Technical	Pure
Potassium Sulphate	Technical	Pure
Mono Potassium Phosphate	Technical	Pure
Di Potassium Phosphate	Tech. Anhydrous	Pure Anhydrous



Vinipul Inorganics Pvt. Ltd.

An ISO 9001:2015 & 14001:2015 Certified company

Manufacturer of Inorganic Chemicals

1/3, Kandhari Colony, 2nd Road,
Opp. Orchid Hotel, Chembur (E),
Mumbai-400071.
Phone:- 8097064853/54.

Vinit Shah - Director
9322231817

Vipul Shah - Director
9867252610

Website:- www.vinipul.com

Email:- vinit@vinipul.com / umang@vinipul.com



FORTUNE IMEX

RATHEESH RAMANKUTTY

Co-Founder & CEO

FF-01, Kishan Glory, Bill Kalali Road,
Bill, Vadodra, Gujarat-391410.
Mobile : 8320457898 / 9428420709.

Email : info@fortuneimex.co.in • Website : www.fortuneimex.co.in

API PRODUCTS

Sr. No.	Product	Grade
1	PENTOPRAZOLE SODIUM	IP / USP
2	PREGABALIN	IP / USP / BP
3	OXCARBAMAZEPINE	IP / USP
4	CARBAMAZEPINE	IP / USP

INORGANIC PRODUCTS

Sr. No.	Product	Grade
1	SODIUM NITRATE	DOMESTIC / EXPORT
2	CALCIUM CHLORIDE	DOMESTIC / EXPORT
3	FERRIC CHLORIDE ANHYDROUS	DOMESTIC / EXPORT
4	POTASSIUM CHLORIDE	DOMESTIC / EXPORT
5	CHLORO ACETYL CHLORIDE	DOMESTIC / EXPORT

QC ANALYTICAL IMPURITIES

Sr. No.	Product	Grade
1	REACTION MONITORING IMPURITIES	IP / USP / BP
2	INTERMEDIATE ANALYSIS IMPURITIES	IP / USP / BP
3	API ANALYSIS IMPURITIES	IP / USP / BP



Abhay D. Hingarh
Proprietor

JOVIKA ENTERPRISE

- Ethyl Acetate
- Toluene
- IPA
- Methylene Dichloride (MDC)
- Mix xylene
- Thiourea
- Morpholine
- Hydrazine Hydrate 80%
- Soda Ash
- Acetic Acid
- Caustic Flakes
- Caustic Lye
- Sodium Bi Sulphite
- Dimethylformamide (DMF)
- Spent Sulfuric Acid
- Spent Sodium Bromide
- Maleic Anhydride
- Phthalic Anhydride
- Activated Carbon
- Also Supply Laboratory Equipment

59 A/B, S.V Road, Opp Pizza Hut, Near BPCL Petrol Pump, Amboli,
Jogeshwari (W), Mumbai - 400 102, INDIA.

Contact : +91 9821011976 • E-mail : jovikaenterprise@gmail.com





ARPIT SYNTHETICS

NITROCELLULOSE COTTON ALL RS & SS GRADES AVAILABLE

IPA / NBA/ ETH/ DBP/ ATBC

DELHI OFFICE

HEADQUARTERS : +91 9971755123

OFFICE NUMBER : +91 8377955402

SALES@ARPITSYNTHETICS.COM

WWW.ARPITSYNTHETICS.COM



台硝股份有限公司
T.N.C. INDUSTRIAL CO., LTD.

- Sodium Gluconate
- Hydrophobic Additive
- Defoamer Powder
- Strength Booster Additive
- Hydroxyethyl Cellulose(HEC)
- Hydroxypropyl Starch Ether (HPS)
- Self-Curing Plaster Pre-Mixed Additive
- Shrinkage-Reducing Agent
- Redispersible Polymer Powder(RDP)
- Hydrolic Polymer For Water-Prof Wall Putty
- Chalking-free Additive.
- Cellulose Fibre
- MHEC / HPMC.
- PVA 2488 - Polyvinyl Alcohol
- Calcium Formate
- CMC

2nd Floor, Vishal Furniture House,
Opp. Sitabuldi Police Station,
Nagpur-440012, Maharashtra.

Tel.: +91 712 2980028 • 9422308713 / 9422146423



**Sakshi Chem
Sciences Pvt. Ltd.**

Manufactures of Additives for
Special Wall Putty & Dry Mix Mortar Industry

enquiry@sakshichemsciences.com • www.sakshichemscience.com



Shital Industries

Manufactures of :
H.D.P.E & P.P. Pipe Fitting &
Engineering Items as Per Requirement

Mfg. of:

- HDPE Pipes as per ISI 4984/1995
- PP Pipes as per DIN 8077 Standard
- PPR Pipes as per Sch.40 & Sch.80 Standard
- PPR Green Pipes for Water & Chemicals
- Coil from HDPE & PP Pipes
- HDPE & PP Fitting as per IS 8008
- All types of Industrial Valves
- HDPE
- HDPE & PP Sheet and Blocks
- PP Solids Rods in Natural Colour
- Laboratories Equipments & Chemicals Pump Parts

Gala No. 1, Shital Shrushti Ind. Estate,
K.T. Park 1, Gavrai Pada,
Near Airrow Engineers, Vasai (E)-401208.

Mob.: 9960211449 / 9960204390

E-mail : hdpe27@gmail.com



Chemcloud Pvt. Ltd.

An ISO 9001 : 2015 Certified Company

Manufacturer of Acetic Acid 1st time in
Tamilnadu

- **Industrial Grade Acetic Acid**
- **Glacial Acetic Acid**
- **Dilute Acetic Acid**
- Instant Hand Sanitizer & Alcoholic Hand Rub with Moisturizer
- Instant Hand Rub (Chlorhexidine / Alcohol Skin Antiseptic with Skin Emollients & Moisturizers)

SF No. 66/B, M.B.T. Road,
Eranthangal Village,
Vellore - 632 519
Customer Care : +91 9043078040
Mob.: +91-9790336644

E-mail : sales@pncchemcloud.com
info@pncchemcloud.com
Web : www.pncchemcloud.com



Vimal Patel
Mob.: +91-7778996978

LALKO
EXIM PVT. LTD.
"Your Vision Our Future"

Acrylic acid	Industrial	LG Korea
Acetic acid	Industrial	GNFC
Aspartame	Food/Pharma	Gsweet/Niutang
Caustic soda	Industrial	Grasim/Nirma
Citric acid	Food/Pharma	Ensign/TTCA/Lemonstar
Dextrose Monohydrate	Food/Pharma	Ambuja
EDTA	Pharma/Industrial	Indian
Glycerin	Food/Pharma/Cosmetic	Adani/Godrej
Lactose	Pharma	-
Menthol Crystal	Food/Pharma/Cosmetic	Indian
Monosodium Glutamate (MSG)	Food	Fufeng
Phosphoric acid	Food/Industrial	Nirma/GACL/Vietnam
Potassium Sorbate(Granular)	Food/Pharma	China
Starch	Food/Pharma	-
SMBS	Food/Pharma/Industrial	-
Soda Ash	Industrial	Tata/GHCL
Sodium Benzoate	Food/Pharma	Ganesh
Sodium Bicarbonate	Food/Pharma	Tata
Sodium Citrate	Food/Pharma	Indian
STPP	Industrial	-
Sucralose	Food/Pharma	Kanbo
Vitamin C (Ascorbic acid)	Food/Pharma	China
Xanthan Gum	Food/Pharma	Fufeng/Deosen

66, Raghav Industrial Estate,
B/h. Krish Arcade, Near Baroda Express,
S. P. Ring Road, Vatva,
Ahmedabad-382 449, (Gujarat) INDIA.

E-mail : lalkoexim@gmail.com
Web : www.lalkoexim.com

Enzo Synth Pvt. Ltd.
Speciality Chemicals & Intermediates

- 4-Amino-1-Butanol
- 1,3- Dichloro Acetone
- N-Octyl Benzene
- Glycine Anhydride
- 4-Methyl Valeryl Chloride
- 4-Methyl Valerophenone
- 5-Bromo Valeryl Chloride
- 3-Bromo-1-Propanol
- 3-Phenyl propyl bromide
- 3-Phenylpropionic Acid
- 3-Phenylpropylamine

+91 9702085858
+91 88499 57775
sales@enzosynth.com
www.enzosynth.com

Plot No.- 7518,
Opp. Shivam Alums,
Near Karmatur Chowkdi,
G.I.D.C. Ankleshwar,
GUJARAT - 393002 - INDIA

Matrix Global Speciality Private Limited

- **Product** : Pseudo-boehmite Alumina
- **Forms** : Powder, Extrudates, Doped
- **Applications** : Catalysts, Abrasives, Binders, Coatings, Polishing
- **Industries** : Petrochemical, Auto Exhaust, Optics, Abrasives

D-8/1, Paithan MIDC, Aurangabad-431148,
Maharashtra, India • Mob.: +91-9552585818
Email : neepa@matrixspeciality.com

RAZON
ENGINEERING COMPANY PVT LTD
Manufacturer: 9881494979 / 9890529552
razonengg@gmail.com , www.razonengg.com,
"Razon House" 660, Taboot Street, Camp, Pune 411001

ALL WAX EMULSIONS

ACRAWAX

+ All Lubricating Emulsions

+ Tile & block adhesive polymers





A. V. Patel
98254 65361

SHIVAM AGRO INDUSTRIES

- **Zinc EDTA**
- **Fe. EDTA**
- **Manganese EDTA**
- **Copper EDTA**
- **Magnesium EDTA**
- **Calcium EDTA**
- **Zinc Glycinate**
- **Ferrous Glycinate**
- **Manganese Glycinate**
- **Copper Glycinate**
- **Magnesium Glycinate**
- **Copper Sulphate**

Plot. 134-135-136-146-147, G.I.D.C. Ranasan,
Ashram Cross Road, Ta. Vijapur Di. Mehsana (Gujarat).

E-mail : shivam_132000@yahoo.com

Web : www.shivamagroind.com



E. A. Mafat
9723653889
7383170922

Jignesh Dhanani
9429444554
9104489586

Royal Engineering Hub

Best Solution For All Engineering Things...

- **DRYER**
- **FILTERS**
- **CONDENSER**
- **REACTORS**
- **STORAGE TANK**
- **HEAT EXCHANGERS**

Plot No, 103, Yogi Estate-1,
Nr. Gokul Party Plot, GIDC, Ankleshwar-393002.
info1.reh@gmail.com

PRODUCT NAME

CAS No

- | | |
|--------------------------------|-----------------------------|
| a) Liquid Bromine | 7726-95-6. |
| b) HBr in Acetic Acid 302-33 % | 37348-16-6 /
10035-10-6. |
| c) HBr in Water 48% | 10035-10-6 |



Rachana Organics Pvt. Ltd.

Manufacturer & Exporter Since 2004

Office No 03, 1st Floor, Hemprakash Building,
90/92 Kazi Sayed Street, Mumbai-400003.

Phone : 02249721186/8976537458

Email : rachanaorganics@gmail.com
info@rachanaorganics.com

Website : <http://www.rachanaorganics.com>

T.SUNAIRAJA x+



Pyro Trade Link

20, Niraikulathu Nadar Street,
Thiruthagal - 626130.
Sivakasi via,
Virudhunagar Dist, Tamilnadu.
Mob:- 9443164779 / 9486028786.
Email:- pyrocheme@gmail.com

EXPOTERS OF:-

- Pyrotechnic Chemicals
- Safety Matches
- Indian Medicinal Herbs
- Health Products
- Cashew Nuts, Spices
- Mineral Grinding Machineries
- Paper Products
- Printing & Stationary
- Pooja Articles & Consultancy
- Handicrafts
- Projects Consultancy
- Real Estate & Consultancy Etc.





Labdhi Petrochem

Manufacturing, Wholesaling & Importing a Wide Assortment of Aromatic Solvents like C-9, C-10, C-11, C-12, Mix Aromatic Solvent, Low Aromatic Solvent and also We provide Industrial Fuel Furnace Oil, Light Diesel Oil

GST: 24ACRPV2947E1Z7

LP-MIXARO-140-190 (RIL C-9)	KGS
LP-AROSOL-100 (C-9)	KGS
LP-AROSOL-150 (C-10)	KGS
LP-AROSOL-250 (C-12)	KGS
LP-ALIPHATIC OIL (YELLOW MTO)	KGS
MINERAL OIL (MTO)	KGS
BLACK LIGHT DIESEL OIL (LDO)	LTR
INDUSTRIAL FUEL OIL (MIXED OIL)	KGS
FURNACE OIL 180 CST	KGS
FURNACE OIL 380 CST	KG

Plot No. 7911, GIDC, Nr. Jitali Chokdi,
Ankleshwar, Di-Bharuch, Gujarat Pin-393002
E-mail : arpit@labdhipetrochem.com
labdhi.petrochem@yahoo.in
Web. : www.labdhipetrochem.com
Mob : 9825317640 / 98253 17640
Tel : 02646223640

COLOR Wave

COLOR WAVE INDUSTRIES

Manufactures of : Dyes & Chemicals

- REACTIVE DYES
- VS DYES
- COLD BRAND DYES
- H & P DYES
- HE DYES
- ME DYES
- CF DYES
- CD DYES
- CRR DYES
- CGB DYES
- ACID DYES
- DIRECT DYES
- BASIC DYES
- SOLVENT DYES
- FOOD COLOR
- TEXTILE AUXILIARIES
- OPTICAL BRIGHTNING AGENTS

Dheer Kapur
B.Tech. Chemicals
dheerkapur@yahoo.com

5, Gurukrupa Estate,
B/H Mony Hotel, Isanpur,
Ahmedabad - 380 050.
Gujarat, (India)

Tel.: +91 - 9376186400
Email : info@colorwave.co.in
Web : www.colorwave.co.in



AKSHAT RASYAN

TANNIC ACID (ALL GRADES)

GALLIC ACID 99% MONOHYDRATE

221 RG COMPLEX-1, PRASHANT VIHAR,
DELHI-110085. • Mob.: 9810195775
Email : akshatrasayan@gmail.com
akshatrasayan@yahoo.co.in

PRAGNESH PATEL

Mob.: 9727753214

Sr. Manager-Sales & Mktg.

marketing@ramdevpigments.com



RAMDEV

CHEMICALS INDUSTRIES

Mfg. of Pigments

- Blue 15:3, 15:4
- 15:0, 15:1
- Green-7
- PV-23

7069009601 / 7069009602

Plot No. 3441/B, G.I.D.C., Industrial Estate,
Ankleshwar-393002, Gujarat
info@ramdevpigments.com • www.ramdevpigments.com





DESAI INTERCHEM
AN ISO 9001 : 2015 CERTIFIED COMPANY

**ALL KIND OF CHEMICALS
ORGANIC, INORGANIC & LAB CHEMICALS**

- **POTASSIUM CHLORIDE**
- **POTASSIUM DIFORMATE**
- **SOLVENTS**
- **SODIUM HEXA META PHOSPHATE**
- **SODIUM SILICO FLUORIDE**

info@desaiinterchem.com
sales@desaiinterchem.com
mktg@desaiinterchem.com
www.desaiinterchem.com

208, Prithvi Corner, Opp. G.E.B.,
Balitha, N. H. 8, Vapi, Balitha,
Gujarat, India.
Tel.: 0260-2400522

Pinakin Desai
CEO
+91-93759 10222

PHOTOGRAPHIC CHEMICAL
Sodium Thiosulphate (Aallets)
Sodium Thiosulphate (Crystals)
Sodium Thiosulphate (Anhydrous)
Sodium Acetate (Anhydrous)

CHLORIDE
Ammonium Chloride
Sodium Chloride
Magnesium Chloride
Calcium Chloride (lumps/powder)
Potassium Chloride
Ferric Chloride (Lumps/Anhydrous)

FORMATES
Sodium Formate
Ammonium Formate
Potassium Formate

SULPHATE
Sodium Sulphate
Ammonium Sulphate
Zinc sulphate (Hepta/Mono)
Magnesium Sulphate
Manganese Sulphate
Potassium Sulphate
Aluminum Sulphate

PHOSPHATE
Tri sodium phosphate (Tech)
Di calcium phosphate (Feed)
Di sodium phosphate



OMKAR PHARMA CHEM
Manufacturers • Suppliers • Exporter • Importer

Plot No.7513, Opp Meena Eng.,
Nr. Karnatur Chowkdi, GIDC Estate,
Ankleshwar- 393002, Dist. Bharuch, Gujarat.
Mob.: 9426477902 / 8200383702.

info@omkarpharmachem.com www.omkarpharmachem.com



Dilip Shah

- **Available Dist. Pharma Solvent,**
- **CycloHexene,**
- **Tolule Acetone MIBK NBA**
- **Butyl Acetate Ethyl Acetate**
- **THF ACTN 2 Mithyl Pyridine**
- **Pyridine Beta Pricolin Gama**
- **Pricalin Also Phosphorine Acid
By Product 82% White**
- **Acitic Acid 99+ White and many more**
- **TEA DMSO DMSC**

We can purchase spent solvent Crud regularly

8, B/14, Eltee Apartment, Saibaba Nagar,
Off S.V. Road, Mumbai-400092.
Mob.: 8369411448 • E-mail : dilipshah611960@gmail.com

Shahid Ah. 9272339656
Raees Ah. 9370247231

M. Y. Dyes & Chemicals

Dealers in:
All Textile Dyes & Cotton Colours

- **Dye Fixer**
- **Vat Dyes**
- **Reactive Dyes**
- **Direct Dyes**
- **Basic Dyes**
- **Naphthol Dyes**
- **Fast Bases**
- **Sulphur Colour**
- **Indigo Dyes**
- **Sodium Hydrosulphite**
- **Sodium Silicate**
- **Sodium Nitrite**
- **Soda Ash**
- **Turkey Red Oil**
- **Hydrogen Peroxides**
- **TCCA 90**
- **Soap Chemicals**
- **Non Ferric Alum**
- **Wetting Agents**
- **Bleaching Powder**
- **Swimming Pool Chemical**
- **Optical Brightening Agents**
- **Caustic Soda Flakes**
- **Sodium Sulphite**
- **Hydrochloric Acid HCL**
- **Laundry Chemicals**

Email:- mytextileandtraders28@gmail.com

OFFICE :
CTS No.607/ Mohammed Ali Road, Islampura Ward,
Malegaon, Wardmalegaon Dist. Nashik - 423203.



O.L. NARAYANA REDDY
(Executive Director)
9390399174 / 8328687670
info@almaslife.in , almaslife@gmail.com

ALMAS LIFE SCIENCE

- All Types of Grignards Reagents in Bulk and Lab Scale
- 2-Bromopropene 98% , Diethyl Keto Malnate
- Ammonia Sol 2.0M in Di Ethyl Ether & in Other Solvents
- Borane DMS, BORANE THF IN ALL concentrations
- Boron Trichloride, Boron Tribromide (1.0M in MDC & TOLUENE)
- Di Methyl Zinc , Diethyl Zinc (1.5M in Toluene)
- Methyl Amine, Ethylamine , Dimethyl Amine (2.0 M in Methanol & THF)
- Hydrochloric Acid 2 M in MTBE & DEE, DIOXANE, EA, Methanol
- Lithium bis (trimethylsilyl) Amide, 20% in THF, Hexyl Lithium 3M
- Lithium boro hydried, Lithium Chloride and lithium Tert Butaoxide (Solution in THF)
- Lithium diisopropylamide, 2M in THF & LITHIUM METHOXIDE
- Methyl Bromide 2.5 in Acetonitrile
- 1n-Butyllithium, 2.5M in hexane & 1.6m HEXANE, Methyl lithium
- Potassium tert-butoxide, 1M in Tert butanol & THF
- Sodium bis(trimethylsilyl)amide, 1M & 2M in THF
- Sodium iso proxide 1.0M in THF, Sodium triacetoxo borohydried
- Tetra Butyl Ammonium Fluoride 1.0M in THF
- Tri butyl Tin Hydride 97%
- 5-Bromo 4-Chloro 3-Indoxyl D-Galacto Pyranoside (X-Gal) ,
- X-GLU & INTERMEDIATES
- 4-ISPROPOXY BENZALDEHYDE, 3-fluoro phenyl acetic acid
- cyclopropyl bromide, trisipropyl borane, pyridazine
- Isobutyl chloride, 2-chloro butane, isopropyl chloride,
- Borane pyridine complex, borane trimethyl amine complex
- Magnesium bromide Diethyl etherate, VINYL BROMIDE
- para-tolyl boronic acid, metatolyl boronic acid, CP BRONIC ACID
- 5-formyl-2-furanyl boronic acid

Plot No 272/A, lala, Pashyamyaram, Patancheru Mandal, Sangareddi
Dis. -Telengana State - 502307. Web.: www.alamslife.in

An ISO 9001:2015 Certified
Manufacturer & exporter Com-
pany , we offer you various in-
organic salt , which Complies to
IP/BP/USP/AR/LR/ACS/FOOD

J J CHEMICALS



J J CHEMICALS

Plot No 1456, Mahli Latipura Road,
Village Dabhasa Ta. Padra,
Dist. Baroda -Gujarat-391440. India

jj.chemicals@yahoo.com

www.jjchemicals.net

Ammonium Aluminium Sulphate	7784-25-0
Calcium Acetate	7440-70-2
Calcium Chloride Di Hydrated,	10035-04-8
Copper Sulphate Pentahydrate	7758-99-8
Dicalcium Phosphate Anhydrous	7757-93-9
Dicalcium Phosphate Dihydrate	7789-77-7
Ferrous Sulphate Heptahydrate	7782-63-0
Magnesium Chloride Hexahydrated	7791-18-6
Magnesium Sulphate Heptahydrate	10034-99-8
Potassium Acetate	127-08-2
Potassium Aluminium Sulphate	7784-24-9
Potassium Chloride	7447-40-7
Potassium Sulphate	7778-80-5
Sodium Acetate	127-09-3
Sodium Bicarbonate	144-55-8
Sodium Carbonate Anhydrous	497-19-8
Sodium Chloride	7647-14-5
Tricalcium Phosphate	7785-87-4
Zinc Sulphate Heptahydrate	7446-20-0
Zinc Sulphate Monohydrate	7446-19-7

76238 75624
98250 25292

Harish Gupta
9824273344

Dinesh Gupta
9824200441

**HARESH ACIDS
AND
CHEMICALS PVT. LTD.**

- Acetic Acid Glacial
- Hydrochloric Acid
- MCA
- H.Acid
- Sulphuric Acid

Associated Concerns:
Haresh Enterprises
Setu Enterprises

2111, Phase-III, GIDC,
Vatva, Ahmedabad- 382445.
Phone:- 07925891044
Email:- setuenter@yahoo.co.in

43-44, Stovec Road, NIDC,
Lamdha, Ahmedabad- 382405.
Phone:- 07925732681
Email:- hareshacids@yahoo.co.in

Anikkumar Desai
+91 83208 25737

K D CHEM

Traders of All Kind of Dyes & Chemicals

DISPERSE DYES / ACETATE DYES / LT DYES <ul style="list-style-type: none"> • Disperse Yellow C4G • Disperse Yellow FT • Disperse Yellow 4GNL • Acetate Yellow G 300% • Acetate Orange GR • Acetate Pink GF • Acetate Magenta MGF 	ACID DYES <ul style="list-style-type: none"> • Acid Yellow M2GL • Acid Orange SRL • Acid Scarlet MBL Crude • Acid Green V 333%
MODIFIED BASIC / ACRYLIC DYES <ul style="list-style-type: none"> • Basic Red 46 Crude (Red F3BS) • Basic Blue 11 Crude (Blue LX) • Basic Malachite Green Crude • Basic Blue 3 Crude (Blue 5G) 	REACTIVE DYES <ul style="list-style-type: none"> • Reactive Yellow F3R • Reactive Red F38 • Reactive GDRE • Reactive Black B 150%
TEXTILE AUXILIARIES <ul style="list-style-type: none"> • Cleanex Paste • Ckaxill SDBL • Ckasperse DAN • Ckalene LA • Ckagen DN • Product DBL 	

6, Kailash Complex, N. H. No. 8, Galaxy Cinema Road,
P. O. Naroda, Ahmedabad-382330. Gujarat, India.
[E-mail : anik.desai@kdchem.co.in](mailto:anik.desai@kdchem.co.in)



J. J. ENTERPRISES

IMPORTER: CHEMICALS & SOLVENTS

- Toluene
- Methanol
- Mix Xylene
- Ortho Xylene
- Normal Butanol
- Butyle Acetate
- Etyle Acetate
- Cyclohexanone
- MDI
- TDI
- Polyol
- Malic Anhydride
- Di Acetone
- MIBK
- Acetic Acid

PRAGNESH SHAH
9223433411

JAYMIN SHAH
9223430103

C-119, Sonam Shopping Center, 1st Floor
Golden Nest, Phase-VI, Mira-Bhayander
Road, Mira Road, (E), Mumbai - 401 107.

Tel.: 022-35698357

Mobile : 7666133411

E-mail : jjenterprises.pragnesh@gmail.com

ACMEFIL ENGINEERING SYSTEMS PVT. LTD.



- Multi Effect Evaporator
- Agitated Thin Film Dryer
- Zero Liquid Discharge System
- Spray Dryer
- Spin Flash Dryer
- Vibratory Fluid Bed Dryer
- Fluid Bed Dryer
- Flash Dryer

Plot. No. 535, Phase - II, GIDC,
Vatva - 382445, Gujarat, INDIA.

Phone : 079-40084502 Mob.: 9820600750

Web : www.acmefil.com

E-mail : acmefil@gmail.com

acmefilespl@gmail.com

Chirag Patel



NILESH
Chemical Industries

**Manufacturers of
Textile Auxillaries and Trading in
All Types of Chemical
for Various Industries**

B-107, Vrindavan Babubhai Morwala Complex,
Majaswadi, Jogeshwari (E), Mumbai-400 060

Web : www.nileshchemicalsindustries.com

+91 98695 62882

+91 99871 85357



**ohm
Dye Chem**

Mfg. & Exporter of : Dyes Intermediates

PRODUCTS **CAS No.**

- 2 Amino Phenol 4 Sulphonamide 98-32-8
- 2 Amino Phenol 4 N Methylsulphonamide 80-23-9
- 2 Amino Phenol 4 Sulphonic Acid 80-20-6
- 2 Amino Phenol 4 Sulphoanilide 98-37-3

Plot No. 517, G.I.D.C. Estate, Panoli-394116. Dist. Bharuch.

Mob.: 9824150066 / 9824476308

E-mail : ohmdyechem@yahoo.com





Ashwamegh Industries

- Manufacturing
- Trading
- Supplying
- Sodium Monochloro Acetate
- Carboxymethyl Cellulose
- Zinc EDTA
- Importing and Exporting an excellent range of Monochloroacetic Acid
- EDTA Disodium Salt
- Soda Ash
- Nitrilotriacetic Acid etc.

Ashwin Shete
Proprietor

+91-97255 89555 • +91-88496 10602

578/2, Near Shiddhpura Estate, Phase 4, Vatva,
G. I. D. C., Ahmedabad - 382449, Gujarat, India

Email: info@ashwameghgroup.co.in
ashwamegh.industries2015@Gmail.com

Web: www.ashwameghgroup.co.in



Bhavya Chauhan
(Technical Head Of Operations)
+91 9819575083 / 9323400598

Established in 1995

BHUMICHEM (INDIA)

Manufacturer & Exporter of All Types of Industrial & Laboratory Chemicals, Surface Tension Corona Dynes Pen, Carbon Tetra Chloride, Phosphates, Cobb Tester, Rolling ball tack tester & Many More...

- Surface Energy Tension Checking Corona Dyne Test Pen
- Carbon Tetrachloride
- Ferric Chloride
- Citric Acid
- Tetra Sodium Pyrophosphate
- Tri Sodium Phosphate
- Sodium Acid Pyrophosphate
- Rolling Ball Tack Tester
- Cobb Tester
- Toluene
- Zinc Oxide
- Zinc Sulphide
- Methyl Ethyl Ketone Peroxide

We have MSME, ISO certified products and we are exporting our Products to different countries.

Plot A-18, Thakur Niwas, Yashwant Tawde Road,
Maratha Colony, Near Dahisar Station (East),
Mumbai - 400068 - Maharashtra (India)
Phone : +91 9819575083 / 9323400598

Mail : bhavya@bhumiche.com
bhumichem@gmail.com
harsh@bhumichem.in
Web : www.bhumichem.com



SWADESH
LIFE SCIENCE

- Fatty Acid Ethoxylates
- Stearic Acid Ethoxylates
- Lauric Acid Ethoxylates
- Fatty Alcohols Ethoxylates
- Tri Decyl Alcohol Ethoxylates
- Lauryl Alcohol Ethoxylates
- Ceto Styryl Alcohol Ethoxylates
- Decyl Alcohol Ethoxylates
- C9-11(Neodol) Alcohol Ethoxylates
- Olyl Cetyl (50/55) Ethoxylates
- Castor Oil Ethoxylates
- Polyethylene Glycol Ethoxylates
- Polysorbates 20/40/60/80/85

REG. OFFICE :
H-103, Sumel-7,
Near Sonini Chaki Brts Stand,
Rakhial, Ahmedabad,

WORK :

Plot No. 25, Shee Hari Ind.Estate,
Zank-Kadadra Road,
Kadadara, Gandhinagar-382305.
swadeshlifescience@gmail.com
www.swadeshlifescience.com

9537659750
9904746569
9898355539



NARSIPUR CHEMICALS PVT. LTD.

(AN ISO 9001:2015 CERTIFIED COMPANY)

Manufacturers and Exporters of:

Product	Cas
Iodophor	39392-86-4
Lauryl Pyridinium Chloride	104-74-5
Benzalkonium Chloride 50% / 80%	8001-54-5
2,4,6-Trichlorophenol-Na Salt	3784-03-0
Chloramine-T	127-65-1
Nonyl Phenoxy Polyethylene Oxy	
Ethanol Iodine Complex	11096-42-7
Linear Alkyl Benzene Sulphonic Acid	
Sodium	27176-87-0

C-238, MIDC, Turbe, Navi Mumbai 400705, India.

Mob.: 9653191286

E-mail : info@narsipur.co.in • Web : www.narsipur.in





18-19 April, 2023

Hall 1, Bombay Exhibition Centre, Mumbai

Book a meeting at
www.calendly.com/elchemy/



Cordially Invites you to

Chem Expo

Stand No.

C12



Hardik Seth
 Director


hardik@elchemy.com
 +91 98670 99519
 +1 908 663 8782

www.elchemy.com

Mumbai Office
 Office 5, 7th Floor, Times Square,
 WE Highway, near Sai Service,
 Andheri East, Mumbai 400 069

Delhi Office
 A-448, Pocket 2, Sector 8
 Rohini, New Delhi 110 085

USA Office
 16192 Coastal Highway,
 Lewes, DE 19958



NIKAVA

PHARMACEUTICAL INDUSTRIES

Manufacturer of Pharmaceutical & Fine Chemicals

Sr. No.	Product Name	CAS No.
1	Acetyl Chloride	75-36-5
2	Alumina Oxide /Basic/ Acidic/ Neutral	1344-28-1
3	Benzoyl Chloride	98-88-4
4	Hcl Gas In Methanol	7647-01-0
5	Methyl Chloroformate	79-22-1
6	Methylamine Hydrochloride	593-51-1
7	Monomethylamine In Methanol	74-89-5
8	Pyrophosphoryl Chloride	13498-14-1
9	4m Hcl Acid In 1,4-Dioxane	7647-01-0
10	Methylamine Solution 40%	74-89-5

AMEE VORA - Export Manager
 Mob.: 9769984566

Admin Off.: 501/504, Mahesh Apartment,
 Shrimad Rajchandra Marg, Off. Tilak Road,
 Ghatkopar (E), Mumbai-400077
 Tel.: +91-9653317212/8433630603

Works: W-52, MIDC, Morivali,
 Ambarnath (W), Dist. Thane,
 Pin-421505, Maharashtra.
 Tel.: +91-7977054156

E-mail : nikavav@gmail.com / info@nikava.in
 Web:www.nikava.in



HINDUSTAN PHOSPHATES PVT LTD

- Dibasic Calcium Phosphate (DCP) IP/BP/USP/FCC 12.0 (DC / Granular Grade also available)
- Tribasic calcium Phosphate (TCP) IP/BP/USP/FCC 12.0 (DC / Granular Grade also available)
- Mono Calcium Phosphate (MCP) Pure & Food Grade
- Sodium Phosphates (Mono/Di/Tri)
- Potassium Phosphates (Mono/Di/Tri)

515 MILINDAS MANOR 2 RNT MARG, INDORE - 452001

Phone : +91 99937 22222, 0731 - 4010700

Email : info@hindustangroup.com
ashok@hindustangroup.com

Website : www.hindustangroup.com



ADVERTISING

TELEVISION
 EDUCATION
 PERSUASION
 KNOWLEDGE
 INTEREST
 PREFERENCE
 CONVICTION
 BOLEBOARD
 CAMPAIGN
 ONLINE
 PRESS
 MAGAZINE
 COMMUNICATION
 CONSUMPTION
 BRANDING
 MEDIA

Email Marketing
 30,000+ Email Data for Chemical Industry

Website Banner Advertisement
 80,000+ Visitor Hits Monthly

Magazine Advertisement
 30,000+ Reader

Social Media
 Facebook, Twitter, LinkedIn

info@chemicalmarket.net +91 87798 30330 www.chemicalmarket.net

*Did you know? In Whatsapp version,
 click on the URL link to visit website or
 click on the email link to send an email*



Cphi - Informa Group			
No	Exhibitions	Date	Place
1	CPhI North America	Apr 25-27, 2023	PHL
2	CPhI Worldwide Germany	Oct 24-26, 2023	Messe Frankfurt, Germany
3	CPhI Middle East & Africa	Jan 15-17, 2024	Riyadh, Saudi Arabia
4	CPhI China- Virtual CPhI	June 19-21, 2023	Shanghai, China
5	CPhI Japan	Apr 19-21, 2023	Tokyo, Japan
6	CPhI Korea	30 Aug - 1 Sept, 2023	COEX, Seoul, Korea
7	CPhI India	Nov 28-30, 2023	Noida, India
MECS (Coating Show)			
1	Asia Pacific Coatings Show	Sept 06-08, 2023	Bankok, Thailand
2	Saudi Arabia Coatings Show	2025	Dammam Saudi Arabia
3	Middle East Coatings Show	June 19-21, 2023	Egypt
4	Coatings For Africa 2024	June 19-21, 2024	Johannesburg, South Africa
Post your events today! Signup for our Event Partners Program at http://chemicalmarket.net/Partners		Post Your sales products or buy enquiries on www.chemicalmarket.net	
DYE+CHEM			
1	Dye+Chem Morocco International Expo	TBD	Morocco
2	Dye+Chem Sri Lanka International Expo	TBD	Colombo Sri Lanka
3	Dye+Chem Bangladesh International Expo	Sept 13-16 2023	Bangladesh
4	Dye+Chem Brazil International Expo	TBD	Brazil
Red Carpet Events			
1	5th Bangladesh Int’l Dyes, Pigments and Chemicals Expo	TBD	Dhaka, Bangladesh
Turkey (Arkim Group)			
1	InterDye Textile Printing Eurasia	TBD	Istanbul
2	Paint Istanbul TURKCOAT	Feb 7-9, 2024	Istanbul
3	Paint Expo Eurasia	Apr 09-12, 2024	Istanbul
Other Exhibitions			
1	Paint India	TBD	JIO World Convention Center, Mumbai
2	Expo Paint and Coating	July 13-15, 2023	New Delhi, India
3	CIPI	TBD	Mumbai, India
4	Chemspec Europe	May 24-25, 2023	Messe Basel, Switzerland
5	ChemUK Expo	May 10-11, 2023	NEC, Birmingham, UK
6	American Coatings Show	TBD	Indianapolis
7	China Coat China	TBD	China Import and Export Fair Complex, Guangzhou
8	Interdye China	TBD	China
9	Paint Expo Germany	Apr 09-12, 2024	Messe Karlsruhe Germany
10	India Chem 2023	TBD	Pragati Maidan, New Delhi



CHENNAI PRICE TREND – 10.04.2023		
Inorganic Chemicals	No of Units Per Pack	Price (Rs/Kg)
Acid Slurry (Soft)	50 Kgs	138.00
Alum- Ferric	50 Kgs	22.00
Ammonium Bicarbonate	25 Kgs	34.00
Ammonium Bi fluoride [sugar-grade]	50 Kgs	178.00
Ammonium Carbonate	50 Kgs	90.00
Ammonium Chloride	50 Kgs	54.00
Ammonium Nitrate	50 Kgs	30.00
Ammonium Phosphate (Mono)	50 Kgs	135.00
Ammonium Sulphate	50 Kgs	29.00
Antimony Trioxide	50 Kgs	1075.00
Barium Chloride	50 Kgs	58.00
Bleaching Powder (33% Cl)	25 Kgs	14.00
Borax (Granular)	50 Kgs	86.00
Boric Acid (Tech.)	50 Kgs	130.00
Calcium Carbonate (Activate)	50Kgs	18.00
Calcium Carbonate (Precipitated)	50 Kgs	17.00
Calcium Chloride Lump 70%	50 Kgs	14.00
Calcium Chloride-Anhydrous	50 Kgs	24.00
Camphor Oil	200 Litres	135.00
Caustic Potash (Flakes)	50 Kgs	143.00
Caustic Soda (Flakes)	25 Kgs	54.00
Caustic Soda (Prills)	50 Kgs	98.00
Chromic Acid Flakes	50 Kgs	335.00
Chlorinated Xylene	25 Kgs	85.00
Copper Sulphate	180 Kgs	220.00
Di ammonium Phosphate	50 Kgs	34.00
Diocetylmalite	180 Kgs	82.00
Ferric Chloride (Anhydrous)	Naked	39.00
Ferrous Sulphate – crystals	50 Kgs	16.00
Hydrochloric Acid	Naked	6.00
Hydrogen Peroxide 50%	50 Kgs	36.00
Hyflosupercell	22.7 Kgs	138.00
Litharge	50 Kgs	220.00
Lithopone B301(China)	25 Kgs	112.00
Magnesium Carbonate (Indian)	50 Kgs	130.00
Magnesium Sulphate	50 Kgs	18.00
Mercury	34.5 Kgs	7800.00
Napthaline Balls	50 Kgs	130.00
Nickel Chloride	25 Kgs	725.00
Phosphoric Acid (85% Tech)	50 Kgs	125.00
Potassium Carbonate (Powder)	25 Kgs	178.00
Potassium Carbonate (Granules)	25 Kgs	145.00
Potassium Nitrate	50 Kgs	150.00
Potassium Permanganate [Tech]	50 Kgs	275.00
Potassium Permanganate [Pure]	50 Kgs	320.00
Potassium Phosphate (Di)	50 Kgs	158.00
S.I.E.S	50 Kgs	61.00

Soda Ash Light	50 Kgs	41.00
Sodium Bicarbonate	50 Kgs	42.00
Sodium Bichromate	50 Kgs	190.00
Sodium Bisulphite	50 Kgs	45.00
Sodium Chlorite 50% (India)	50 Kgs	240.00
Sodium Chlorite 80% (India)	50 Kgs	280.00
Sodium Cyanide	50 Kgs	650.00
Sodium Fluoride	50 Kgs	150.00
Sodium Formate	50 Kgs	63.00
Sodium Hexameta Phosphate 68%	50 Kgs	148.00
Sodium Hydrosulphite [China]	50 Kgs	180.00
Sodium Metabisulphite	50 Kgs	45.00
Sodium Nitrate	50 Kgs	88.00
Sodium Nitrite (China)	50 Kgs	85.00
Sodium Silicate	Noted	28.50
Sodium Sulphate (Anhydrous)	50 Kgs	17.00
Sodium Sulphide 50-52% (Flakes)	50 Kgs	58.00
Sodium Sulphide 58-60% (Flakes)	50 Kgs	52.00
Sodium Sulphite 92%	50 Kgs	56.00
Sodium Tri polyphosphate	50 Kgs	112.00
Titanium Dioxide Anatase	25 Kgs	195.00
Titanium Dioxide (Rutile - R-902)	25 Kgs	256.00
Trisodium Phosphate	50 Kgs	42.00
Zinc Chloride Powder (Tech.)	50 Kgs	90.00
Zinc Oxide White Seal	50 Kgs	250.00
Zinc Stearate [Pure]	25 Kgs	220.00
Zinc Sulphate (Tech.)	50 Kgs	58.00
Organic Chemicals	No of Units Per Pack	Price (Rs/Kg)
Acetic Acid Glacial	35 Kgs	66.00
Acetone	160 Kgs	93.00
Benzene	196 Ltrs.	92.00
Benzyl Alcohol	200 Kgs	200.00
Bisphenol-A (Russian)	25 Kgs	180.00
Bisphenol-A (Russian)	170 Kgs	108.00
n-Butyl Acetate	165 Kgs	116.00
Butyl Cellosolve	195 Kgs	140.00
Camphor	25 Kgs	850.00
Cellosolve –Ethyl	195 Kgs	152.00
Chloroform	300 Kgs	50.00
Citric Acid (Anhy)	25 Kgs	110.00
Citric Acid (Mono)	25 Kgs	87.00
Cresote Oil	50 Kgs	64.00
Cyclohexanone	190 Kgs	148.00
D D Turpentine	200 Ltrs.	145.00
Diacetone Alcohol	195 Kgs	130.00
Diethylene Glycol	230 Kgs	86.00
Dimethyl Formamide	195 Kgs	115.00
Diocetyl Phthalate	200 Kgs	150.00
Di-Pentene	200 Kgs	92.00



EDTA Acid	25 Kgs	448.00
EDTA Disodium	25 Kgs	398.00
EDTA Tetrasodium	25 Kgs	348.00
Ethyl Acetate	185 kgs	102.00
Ethylene Dichloride	200 Kgs	65.00
Ethylene Glycol-mono	230 Kgs	67.00
Formaldehyde	65 Kgs	30.00
Formic Acid	35 Kgs	72.00
Formic Acid	250 Kgs	75.00
Hexamine – Tech	50 Kgs	125.00
n-Hexane	160 Litrs	66.00
Hydroquinone (Imported)	25 Kgs	1,150.00
Isopropyl Alcohol	160 Kgs	124.00
Isopropyl Alcohol (Refill)	160 Kgs	104.00
Maleic Anhydride	25 Kgs	115.00
Methyl Ethyl Ketone	166 Kgs	132.00
Methyl Isobutyl Ketone	160 Kgs	240.00
Methyl Isobutyl Ketone (Refill)	160 Kgs	225.00
Methylene Dichloride	250 Kgs	60.00
Methylene Dichloride (Refill)	250 Kgs	52.00
Mineral Turpentine Oil	50 Kgs	120.00
Monochloro Phenol	50 Kgs	120.00
Nitrobenzene	200 Kgs	125.00
Octanol (2-ethylhexanol)	160 Kgs	135.00
Oleic Acid	50 Kgs	140.00
Oxalic Acid (Punjab)	50 Kgs	66.00

Paraffin Wax (White)	50 Kgs	102.00
Para formaldehyde 91%	25 Kgs	115.00
Perchloroethylene	320 Kgs	155.00
Phenyl Liquid	230 Kgs	115.00
Phthalic anhydride	25 Kgs	115.00
Pine Oil 22%	200 Litrs	110.00
Pine Oil 40%	200 Litrs	190.00
Polyethelene Glycol 400	230 Kgs	118.00
Polyethelene Glycol 600	230 Kgs	140.00
Propylene Glycol	215 Kgs	125.00
Poly Aluminium Chloride	25 Kgs	30.00
Red Lead	50 Kgs	220.00
Renine	180 Kgs	72.00
Rosin	17 Kgs	125.00
Sodium Acetate	50 Kgs	32.00
Sodium Benzoate	50 Kgs	95.00
Sorbitol	250 Kgs	52.00
Stearic Acid (cosmetic)	50 Kgs	130.00
Styrene Monomer	185 Kgs	115.00
Terpeneol Perfumery	25 Litrs	260.00
Thiourea	25 Kgs	260.00
Toluene	200 Ltrs	97.00
Trichloroethylene	280 Kgs	145.00
Triethanolamine	210 Kgs	115.00
Vinyl Acetate Monomer	185 Kgs	190.00
Xylene Mixed	185 Kgs	103.00
O-Xylene	185 Kgs	120.00

Above prices are given in good faith by : **MR. SUBHASH GHORAWAT**

M/S. CHEMICAL (INDIA) COMPANY

'Eden Plaza', 3rd Floor, 87-Perumber Barrack Road, (Near Doveton Signal), Purusaiwakkam, Chennai - 600007 (India).

Phone : 91 44 2642 0596 / 2661 5421 / 2661 0513 / 2661 1912 Email : cic@vsnl.com / chennai513@bsnl.in /

chemicalsindiacompany@gmail.com • Web : www.chemicalsindiacompanychennai.com

**Market Prices given in this Magazine is to know market trend only.
We assume no responsibility for availability of products at quoted prices.**



CHEMICAL MARKET
Connecting the Chemical Industry

WE ARE DATA AGGREGATORS

If you do not list your company and products,
you might lose a potential customer

If you list your company and products,
you will definitely get a new customer

(IMPORT / EXPORT COMPATIBLE):
Connect to Local and International Audience



CHEMICAL MARKET LEADS PLATFORM



MUMBAI PRICE TREND – 12.04.2023	
Organic & Inorganic Chemicals	Price (Rs/Kg)
ACRYLIC ACID	110+
DCDA	235+
NBA	99+
BUTYL ACETATE	110+
CAUSTIC POTASH	122+
ACETONE	94+
MDI	190.00
BAM	130+
EDC	46+
DA	118+
IPA	96+
MEK	117.00
OCT	130+
NPAC	12x5
PG	127+
CYCLO	133.00
TEA	110+

BC	113+
CL	39+
MPD	185.00
N.PROPANOL	145.00
HEXAMINE	110.00
DMC	100.00
MDI	190.00
THF	220.00
ETHYL ACETATE	92+
FORMAL	20+
TOLUENE	96+
GLYCERINE	64+
PINE OIL	124+ INDL
SMBS	37.50+ KG
P.G TECH	118+
OXYLENE	115+
MEG	59+
DEG	75+
METHANOL	35.50+
VAM	103+

Above prices are given in good faith by : **MR. HITESH C. GOSALIA**

Broker in Chemicals & Solvents

13-A, R.V. Building, Near Sion Rly. Station, Inside Ayurvedic Hospital, On Hill, Sion, Mumbai-400022.

Mob. : 9869131022 / 7977251683 / 9224340945

**Market Prices given in this Magazine is to know market trend only.
We assume no responsibility for availability of products at quoted prices.**

ADVERTISEMENT IN CHEMICAL MARKET

MAGAZINE ADVERTISE
30k+ Reader


EMAIL MARKETING
30k+ Data For Chemical Industry


WEBSITE
70k+ Visitor

SOCIAL MEDIA MARKETING


info@chemicalmarket.net +91 87798 30330 www.chemicalmarket.net



Product Name	Qty	Grade
Succinic Acid 99%-food grade chemical	80 Kgs	Industrial 
Details : Food Grade Chemical		

Product Name	Qty	Grade
Nateglinide API [ENA16381]	20 Kgs	Industrial
Paroxetine HCl Hemihydrate API 	700 Kgs	Industrial
Flurbiprofen API	5 Tonnes	Industrial
Purified Water (Cas no:- 7732-18-5)	200 Ltrs	Industrial
Methanol (Cas no:- 67-56-1)	200 Ltrs	Industrial
HCL (Cas no:- 7647-01-0)	50 Ltrs	Industrial
Di-methyl Formamide (Cas no:- 68-12-2)	2 Kgs	Industrial
Copper(II) Acetate Mono Hydrate (Cas no:- 142-71-2)	5 Kgs	Industrial
Sodium Carbonate (Cas no:- 497-19-8)	25 Kgs	Industrial
Toluene (Cas no:- 108-8-3)	200 Ltrs	Industrial
2,3 Xylidine (Cas no:- 87-62-7)	25 Ltrs	Industrial
Ortho Chloro Benzoic Acid (Cas no:- 118-91-2)	50 Kgs	Industrial
Isopropyl Alcohol (Cas no:- 67-63-0)	200 Ltrs	Industrial
Dimethyl Sulphoxide (Cas no:- 67-68-5)	200 Ltrs	Industrial
N-Methyl Piperazine (Cas no:- 109-01-3)	50 Ltrs	Industrial
Ofloxacin Q Acid (Cas no:- 82419-35-0)	50 Kgs	Industrial
Formic Acid (Cas no:- 64-18-6)	25 Kgs	Industrial
Formaldehyde (Cas no:- 50-00-0)	50 Ltrs	Industrial
Dichloromethane (Cas no:- 75-09-2)	200 Ltrs	Industrial
Sodium Borohydride (Cas no:- 16940-66-2)	25 Kgs	Industrial
Methane Sulfonyl Chloride (Cas no:- 124-63-0)	25 Ltrs	Industrial
Acetic Acid (Cas no:- 64-19-7)	50 Ltrs	Industrial
Hydroxylamine hydrochloride (Cas no:- 5470-11-1)	25 Kgs	Industrial
Erythromycin Base (Cas no:- 114-07-8)	25 Kgs	Industrial
Propionic Anhydride (Cas no:- 123-62-6)	25 Kgs	Industrial
Sodium Lauryl Sulphate (Cas no:- 151-21-3)	25 Kgs	Industrial


MDC (Cas no:- 75-09-2)	200 Kgs	Industrial
Stearic Acid (Cas no:- 822-16-2)	25 Kgs	Industrial
Acetone (Cas no:- 67-64-1)	200 Ltrs	Industrial
Ammonia (Cas no:- 7664-41-7)	50 Kgs	Industrial
Hyflow (Cas no:- 61790-53-2)	50 Kgs	Industrial
Activated Carbon (Cas no:- 7440-44-0)	25 Kgs	Industrial
Ethyl Succinyl Chloride (Cas no:- 14794-31-1)	25 Kgs	Industrial
Sodium Bicarbonate (Cas no:- 144-55-8)	25 Kgs	Industrial
Sodium Hydroxide (Cas no:- 1310-73-2)	25 Kgs	Industrial
Ethyl Acetate (Cas no:- 141-78-6)	200 Ltrs	Industrial
Erythromycin thiocyanate (Cas no:- 231-723-1)	50 Kgs	Industrial
(4R)-3-[(2S,5R)-5-(4-Fluorophenyl)-2-[(R)-[(4-fluorophenyl) amino] [4-[(trimethylsilyl)oxy]phenyl] methyl]-1-oxo-5-[(trimethylsilyl) oxy]pentyl]-4-phenyl-2- oxazolidinone (CAS NO:- 27277812-8)	500 Kgs	Industrial
(-)-1-[(4-Chlorophenyl)phenyl-methyl]piperazine; (R)-1-(p-Chlorobenzhydryl)piperazine (CAS NO:- 300543-56-0)	100 Gms	Industrial
2-[2-[4-[(R)-(4-Chlorophenyl) phenylmethyl]-1-piperazinyl] ethoxy]-acetamide (CAS NO:- 909779-33-5)	100 Gms	Industrial
Levocetirizine Dihydrochloride (CAS NO:- 130018-87-0)	100 Gms	Industrial
3-(Trifluoromethyl)-5,6,7,8-tetrahydro-triazolopyrazine Hydrochloride (CAS NO:- 762240-92-6)	2000 Kgs	Industrial
(3R)-N-(tert-Butoxycarbonyl)-3-amino-4-(2,4,5-trifluorophenyl) butanoic (CAS NO:- 486460-00-8)	2000 Kgs	Industrial
Carbonyl diimidazole (CAS NO:- 530-62-1)	2000 Kgs	Industrial
Details : Chemicals Required for Process development Lab Trials, More quantity required after test		


Product Name	Qty	Grade
Drums	2000 Drums	NA 
Details : HDPE drums Capacity 200 ltr, 250 ltr, 300 ltr. Please reply at the earliest. Needed on recurring basis		


Buy Enquiries


Post your BUY Enquiries:


<https://www.chemicalmarket.net/search>


Product Name	Qty	Grade
Caluanie Muelear Oxidize	10 Ltrs	Industrial
Details : 10 Litres & once set will increase the quantity. 		


Product Name	Qty	Grade
Phosphorescent Pigments Chemicals 	5 Kgs	Industrial
Details : Each color 5 Kg but depend on price.		


Product Name	Qty	Grade
Sodium Thiosulphate Powder 	5 Kgs	Industrial
Details : Photo cleaning		


Product Name	Qty	Grade
Hard Pitch 	60 Tonnes	Industrial
Details : We have a requirement of 20 Mts/ 60 Mts.		


Product Name	Qty	Grade
Mineral turpentine oil	2000 Ltr	Industrial
Details : Mineral terpene oil. Pure/cut mixing grade 		


Product Name	Qty	Grade
Ethyl Trifluoroacetate (Cas no:- 383-63-1)	3 Kgs	Industrial 
Details : Please Contact for more info		

Product Name	Qty	Grade
3-bromo-6-chloro-2-fluorobenzonitrile (CAS:- 943830-79-3) 	1000 Kgs	Technical
Bicyclo[3.1.0]hexane-3-one (CAS:- 1755-04-0)	1000 Kgs	Technical
D-expoxone (CAS:- 18422-53-2)	1000 Kgs	Technical
3,5-Difluoroaniline (CAS:- 372-39-4)	1000 Kgs	Technical
Methyl piperidine-4-carboxylate (CAS:- 2971-79-1)	1000 Kgs	Technical
Details : Please Contact for more info		


Product Name	Qty	Grade
3-(Trifluoro methyl)5,6,7,8-tetrahydro(4,3- a)pyrazine HCl (CAS No. 762240-92-6) 	10 Kgs	Industrial
(2,4,5-Trifluoro-phenyl) acetic acid (CAS No. 209995-38-0)	10 Kgs	Industrial
Details : Please Contact for more info		


Product Name	Qty	Grade
PyBOP (Cas no- 128625-52-5)	1 Tonnes	Industrial
Ethyl Pyruvate (Cas no:- 617-35-6)	1 Kgs	Industrial
Details : 1) We have a requirement of the below Chemical kindly quote your best. Pricing along With Recent batch COA and lead time. We need 100kg, 500kg & 1400kg.  2) We have a requirement of the below Chemical kindly quote your best pricing along With COA and lead time.		

Product Name	Qty	Grade
TRANS,TRANS-2,4-HEXADI-ENYL ACETATE (Cas no:- 1516-17-2)  (Hs Code:- 29153900)	10 Tonnes	Chemical
Butyllithium 23% in Hexane (Cas no:- 109-72-8)	2 Tonnes	Industrial
Details : 1) Provide MSDS/Packing certificate. 2) Unit: butyllithium content base 2ton/month , (450L cylinder, 800L Cylinder). Could you give me an estimate of FCL, COA?		

Product Name	Qty	Grade
Anti-Foam/Defoamer	13 Tonnes	Industrial
EDTA 48% / CAS#: 6381-92-6	3 Tonnes	Industrial
Details : Required for Affluent Treatment Plant, about 30T-40T of 40% EDTA would be required per oiler for cleaning. Payment Terms: On Delivery 		

Product Name	Qty	Grade
DEFOAMER // 126-86-3  // 38111900 // LL 9900	1 Tonnes	Chemical
Details : Leads for : LUBRICANTS ADDITIVES		

Product Name	Qty	Grade
IRON PYRITE POWDER - LR Grade 	28 Tonnes	Industrial
EDTA 48% / CAS#: 6381-92-6	3 Tonnes	Industrial
Details : We request you to please send your Techno-Commercial offer as per below given specification:- TECHNICAL DATA SHEET Appearance: Free flowing Dried Powder Packing: 50 Kg Hdpe Bags Applications: Refining.		

Product Name	Qty	Grade
Propargyl Chloride // 3 Chloro Propyne (PC) // 	1 Tonnes	Industrial
Details : Propargyl Chloride		




Buy Enquiries

Post your BUY Enquiries:

<https://www.chemicalmarket.net/search>


Product Name	Qty	Grade
Ditolyl ether 	1000 Drums	Chemical


Details : Heat Transfer Fluid CAS-No. 028299-41-4 mm = 198.3 g/mole Range of use: -30 °C-330 °C. Empirical formula: C₁₄H₁₄O Assay of total Ditolylether (gas chromatography): min. 97.5 % Water (K. Fischer): max. 200 mg/kg Characteristic data : Kin. Viscosity (DIN 51561): approx. 6.3 mm²/s Density (DIN 51757): approx. 1035 kg/cm³ Pour point (DIN ISO 3016): approx. -54 °C Neutralization number (acid) (DIN 51558 part 1): approx. 0.01 mg KOH/g Boiling range: 284-294 °C Flash point (DIN 51758): approx. 135 °C Ignition temperature (DIN 51794): approx. 545 °C Lower explosion limit (132 °C): approx. 0.8 % by vol. Upper explosion limit (138.5 °C): approx. 14.5 % by vol. Solubility in water (20 °C) (Quentin Method): approx. 4 mg/l Surface tension (OECD-ring method): approx. 0.04 N/m Thermal conductivity (20 °C): approx. 0.133 W/m k Mean spec. heat (20 °C): approx. 1.58 kJ/kg k

Product Name	Qty	Grade
Tetrahydrofuran // 	55 Drums	VirginPune


Details : I have req. thf 55 drum can u give an offer & coa & make

Product Name	Qty	Grade
Iminostilbene carbonyl chloride (33948-22-0)	6 Tonnes	VirginPune


Details : Cas No. 33948-22-0 iminostilbene carbonyl chloride qty : 6 ton 

Product Name	Qty	Grade
Sodium carbonate peroxy hydrate 	1000 Kgs	Technical

Details : we required for r and d purpose


Product Name	Qty	Grade
L-Pyrogutamic acid 99% // 98-79-3 // P34607	10 Kgs	None 

Details : Please offer your best quote, purity and lead time


Product Name	Qty	Grade
28578-16-7	1000 Kgs	Chemical 

Details : 99% pure delivery time

Did you know? In Whatsapp version, click on the URL link to visit website or click on the email link to send an email

Product Name	Qty	Grade
Adipic Acid LR // 124-04-9 // A06830	1 Kgs	Any 


Details : I am looking for reliable producers of Adipic Acid and another chemical products worldwide. Please feel free to contact me in order to see if we could work together ? Thank you ! Kind Regards Dragan Lazic

Product Name	Qty	Grade
TRANS, TRANS-2,4-HEXA-DIENYL ACETATE 	2 Tonnes	Chemical

Calcium Stearate // 29157090 // Broadways Chemtech	10 Tonnes	Any
--	-----------	-----

DEFOAMER // 126-86-3 // 38111900 // LL 9900	10 Tonnes	Any
---	-----------	-----

Details : Please contact me if could provide thanks

Product Name	Qty	Grade
N-ETHYL ORTHO//PARA TOLUENE SULFONAMIDE // 8047-99-2	100 Tonnes	- 


Details : PL SEND MORE DETAILS WITH PRICE

Product Name	Qty	Grade
Corium 4040 // Corium - ITW 	150 Set	None


Details : We are interested to buy corium 4040 150 set

Product Name	Qty	Grade
2-Butoxy Ethanol LR // 111-76-2 // B13132 	3000Kgs	Chemical

Details : Share the contact details for take it further

Product Name	Qty	Grade
Poraver // Light Weight Aggregates // 32074085 	10 Kgs	Technical

Details : grain size in mm : 0.1-0.4

Product Name	Qty	Grade
WHITE MELAMINE RESIN POWDER (MF Resin 99.8%) 	250 Grams	Technical

Details : PACKING: 25KG/BAG



Contents

Purchase Enquiries	...22
Editorial	
Chemical Industry and Exports.....	27
Research Reports Abstracts	
Carbon Mobile and SABIC Collaborate to Unlock and Scale Advanced Carbon Composites in Connected Devices.....	30
Green & Bio-Solvents Market Report 2022: Increasing Concern for Environmental Protection Fuels Sector	31
News Round Up	
LIST OF ADVERTISERS	03
Chennai Price Trend.....	22
Mumbai Price Trend.....	24
Clariant and Omya Capitalize on the Benefits of Label-Free Innovation for SMP Sealants	32
ABB India Automates First India-Bangladesh Cross-Border Oil Pipeline	47
Simplifying Food Safety Easily Find Food Contact Compliant Additives with Clariant's New Offering.....	48
Powerful Natural and Responsibly Sourced in the Amazon Clariant's Beracare™ CBA.....	49
First 3D Measurement Study to Improve Garment Sizing for Children.....	50
SONGWON Showcases its Coatings Strength with New Product Releases at The European Coatings Show.....	51
3D Systems Selects 6K Additive as the Supplier for Tungsten Powder for its DMP Printers.....	52
Dow Personal Care Accelerates Sustainable Portfolio Transformation with Six New Product Launches at In-Cosmetics Global 2023.....	53
Saudi Aramco and Linde Engineering to Develop Ammonia Cracking Technology	54
Yara and Enbridge to Develop and Construct a Low-Carbon Blue Ammonia Project at Enbridge Ingleside Energy Center.....	55
Umicore Steps Up Solid-State Battery Technology Development	

with Investment in Blue Current.....	56
Solvay Introduces New Polymer for High-Heat EV Battery Module Insulation.....	57
Arkema To Showcase Its Innovations At In-Cosmetics Show.....	60
Clariant Additives Add Up To A Better Future For Plastic At Chinaplas 2023 Exhibition.....	61
Evonik's New Dispersant for Waterborne Printing Inks is Safe, Effective, and Widely Usable	77
Toray Wins Chemical Society of Japan Award for R&D into Highly Stable Organic Phosphors and Application to Color Conversion Sheets for Wide Color Gamut LCDs.....	78
Sinopec's Styrene Butadiene Copolymer (SBC) Project with 170,000 Tons/Year Production Capacity Goes into Operation.....	79

EVENTS AND CONFERENCES ...58

Free Service Subscribers - Sub. Today ...76

Market Prices

Booking Prices.....	62
Mumbai Market Prices.....	62
International Market Prices.....	64
Opening Port Prices.....	69
Producer Prices.....	71

News Snippets

Automobiles.....	33
Drug & Pharma News	37
Chemical Technology	39
New Products	41
Mergers & Acquisitions	43
International News	45
Exhibition Events List.....	21

Visit our Leads Platform and Signup to upload your products. A platform for Distributors, Manufacturers and Traders

Printer and Publisher:

Parimal Parikh

Editor:

Rajiv Parikh

Content:

Pranisha P. Jadhav
Sonam Parikh

Designer:

Pranisha P. Jadhav

For Advertising & Subscription

info@chemicalmarket.net

Website:

www.chemicalmarket.net

Online Subscription:

www.chemicalmarket.net/magazine/subscribe

Leads Platform Subscription:

www.chemicalmarket.net/leadsplatform

Advertise with us:

www.chemicalmarket.net/advertise/online

Deepesh Patel (+91-93724 34490)

Product Upload & Technical Support :

Mihir Suneria (+91-79770 72412)

Contact Information:

Tel: 91-981-9644-048

91-877-9830-330

Email: info@chemicalmarket.net

Published by

Parimal B. Parikh

401/C Himachal Bldg, Opp. Sunder Nagar,
S.V.Road, Malad (West), Mumbai 400064.
Mobile: 91-87798-30330

DCM Media Office Address:

DCM Media Private Limited
513, Lotus Business Park, Ram Baug, Chincholi,
Off S. V. Road, Malad West, Mumbai - 400064
Phone: 98196-44048 / 91-877-9830330



CHEMICAL MARKET

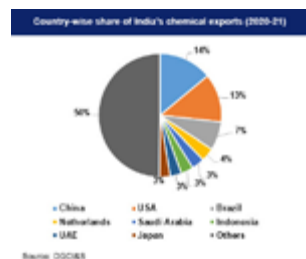
A MONTHLY MAGAZINE DEVOTED TO THE DYES, CHEMICALS, PHARMACEUTICALS, TRADE & INDUSTRY SINCE 1982

Chemical Industry and Exports

According to a report from IBEF (India Brand Equity Foundation) the total chemicals exports from India stood at US\$ 29.3 billion in FY 2022. India is the 6th largest chemical producing countries in the world and the 3rd largest in Asia. India exports inorganic and organic chemicals, tanning and dyes, agrochemicals, plastics, synthetic rubber, filaments, etc. There have been continuous efforts from the Department of Commerce & Industry and Indian exporters. India's chemical exports promotional council (CHEMEXIM) has also worked hard and initiated efforts to increase the international exposure by organizing B2B exhibitions in several countries, exploring new potential markets through product specific marketing campaigns with the active involvement of the Indian embassies. This export growth has been achieved despite issues like high freight rates and container shortages which has benefitted small and medium exporters from key states like Gujarat, Maharashtra, Karnataka, Tamil Nadu and Andhra Pradesh.



India has been a major export hub for countries like China, USA, Brazil, Netherlands, Saudi Arabia, Indonesia, UAE, Japan, Germany, etc. and exports products to more than 175 countries. Recently there has been a surge in exports to markets like Turkey, Russia and Northeastern Asian countries like Hong Kong, Japan, South Korea, Taiwan, Macao and Mongolia. Moreover, there has been a rise in the trade using local currencies after several countries have started trading in currencies other than the USD.



China is a major importer of dyes, dye intermediates and organic chemicals from India. USA remained the largest importer of essential oils, inorganic chemicals while Brazil was the top importer of agrochemicals from India. India's Cosmetics, Soap & Toiletries exports to USA were the highest among all the key export destinations from India.

Government Initiatives

PCPIR Policy 2020-35

Under the new PCPIR Policy 2020-35, a combined investment of US\$ 142 billion is targeted by 2025, US\$ 213 billion by 2030 and US\$ 284 billion by 2035 in all PCPIRs across the country. The four

PCPIRs are expected to generate employment for ~33.83 lakh people. About 3.50 lakh people have been employed in direct and indirect activities related to PCPIRs by the end of 2020.

Chemical Promotion and Development Scheme (CPDS)

The primary objective of the CPDS is to facilitate growth in the chemical and petrochemical industry with knowledge dissemination through studies, surveys, data banks and promotional materials. The three main components of the scheme are knowledge product creation, knowledge dissemination and excellence awards for research and innovation.

Apart from the various schemes mentioned above, the Government of India has introduced several research entities, schemes and councils to develop skilled manpower in the industry aimed at increasing manufacturing competitiveness of India in the global market. This effort included providing grant in aid to educational institutes for setting up Center of Excellence (CoE) with a view to improve existing petrochemical technology and promote development of new applications of polymers. The government has also made budgetary allocations towards Central Institute of Plastic Engineering and Technology (CIPET) to strengthen the research & development capabilities, technical infrastructure and implemented training initiatives.

Basic Chemicals, Cosmetics and Dyes Export Promotion Council (CHEMEXIL)

Found in 1962 by the Government of India, the primary objective of the CHEMEXIL is to promote chemical product exports abroad. The important roles of the council are to be an interface between the industry and government, participate in international exhibitions, advise the government on policies, provide training and knowledge transfer to industries, etc.

Notes on Upcoming Exhibitions

In another note, we want to make sure that you do visit the ChemExpo 2023 on 18th – 19th April 2023 which is one of the most successful exhibitions in the chemical industry in India. We are also partnered with Expo Paints and Coatings (EPC) 2023 going to be held in Delhi, Pragati Maidan from 13th – 15th July. We are booking the raw space and shell scheme for EPC 2023. For more details, please contact us or send us an email.

-Rajiv Parikh



Carbon Mobile and SABIC Collaborate to Unlock and Scale Advanced Carbon Composites in Connected Devices

BERLIN, March 29, 2023 /PRNews-wire/ -- Carbon Mobile, a Berlin-based deeptech startup, that develops radio-enabled carbon composites in electronics devices, and SABIC, a global leader in the chemicals industry, today announced they have entered into a strategic collaboration to drive industry-wide adoption of next-gen, advanced carbon composites in devices. The collaboration, which was established by SABIC Ventures, will allow Carbon Mobile to leverage SABIC's strong polymers portfolio, advanced research and development (R&D), testing, and production facilities to deploy, at scale, new advanced materials, powered by Carbon Mobile's HyRECM technology, that are in high demand among consumer electronics and automotive original equipment manufacturers (OEMs).

This new collaboration aims to develop a new joint material portfolio that is more sustainable and future-proof by leveraging SABIC's existing TRUCIRCLE™ materials and specifically expertise in producing certified PIR (Post-Industrial Recycled), PCR (Post-Consumer-Recycled) and certified bio-based feedstock.

"The Consumer Electronic Industry is under a constant trend of miniaturization such as low weight or low thickness of devices with high screen. Current material solutions are sometimes limited in mechanical performance. At SABIC, we are looking for new material solutions based on engineering thermoplastics systems. Working together with Carbon Mobile on composites and hybrid designs based on those materials can help us to achieve current unmet needs

for miniaturization. Additionally, using our SABIC TRUCIRCLE™ solutions in those consumer electronic applications can help the industry to reduce its CO2 footprint," said Lina Prada, Director, Polymer Application Development & Industry Solutions at SABIC.

Advanced carbon composites have long been sought after as lighter, thinner, stronger and more sustainable alternatives to materials currently used in connected devices. However, for over a decade, industry leaders have been trying to solve the electrical and wireless connectivity issues, which block carbon composites from being used in electronics and connected devices. Carbon Mobile's patented HyRECM technology stabilizes the electrical and wireless connectivity properties of Carbon Fiber without compromising on other superior properties of the material or the production process. This includes embedded electrostatic discharge (ESD) isolation, electromagnetic interference (EMI) shielding and antenna noise-cancellation and allows for radio frequency (RF) signal permeation for low and high frequency bands in a single carbon composite monocoque structure inside connected devices. The result is new design latitudes for the next generation of connected devices, unlocking new form factors, reducing the number of parts and complex assembly and eventually cost reduction.

"We believe Carbon Mobile can support the next generation of thinner, lighter, and more sustainable connected devices," said Mahari Tjahjadi, Business Leader Electrical & Electronics at SAB-

IC. "Carbon Mobile is set to disrupt the lightweight electronics industry through its HyRECM material enabling technology. With SABIC's support, we expect to open up multiple sectors from wearables to automotive sectors and offer OEMs the more sustainable and high-performing solutions they demand."

In March 2021, Carbon Mobile launched the Carbon 1 MK II, the world's first carbon fiber smartphone, which demonstrated its patented HyRECM technology is feasible and mass production scalable. The new technology produces a robust carbon fiber composite monocoque housing structure that allows the smartphone to be incredibly thin and light, and also have the least amount of material. To further boost the device's connectivity, a unique conductive ink trace is integrated into the carbon fiber structure to stabilize the electrical and wireless properties. It weighed just 125g, making it 33 percent lighter than the average competitor. Presented to the industry as the future standard of connected devices, the Carbon 1 garnered prestigious industry acclaim picking up both a Red Dot and JEC Design award. Now, Carbon is ready to bring its tech to all products in the consumer electronics and automotive industries.

The demand from OEMs in consumer electronics and mobility sectors is impressive. Manufacturers are looking for lightweight materials that offer improved stiffness, increased battery capacity, and more mileage, while also allowing for new form factors. Carbon Mobile has already signed and working with tier OEMs to develop devices for



product launches in 2023 and 2024.

"The tech industry has always strived for miniaturization but also are becoming aware of the need for more sustainable material alternatives to achieve it," said Firas Khalifeh, CEO of Carbon Mobile.

"Our partnership with SABIC is born out of a common goal to help the planet, and so we're excited that our OEM partners share our vision for a greener future with HyRECM technology as the enabler."

Read the full report : <http://www.web-wire.com>.

If you want your report abstract to be published please contact info@chemicalmarket.net

Green & Bio-Solvents Market Report 2022: Increasing Concern for Environmental Protection Fuels Sector

The Global Green & Bio-Solvents Market is anticipated to grow at a robust CAGR during the forecast period, 2024-2027. This can be ascribed to the growing demand for green chemicals among the population. Additionally, growing environmental awareness and imposition of regulations to reduce greenhouse and volatile organic compounds emissions is expected to support the market growth through 2028.

Besides, growing application of green & Biosolvents among various applications such as cleaning, plant protection oil, wetting agents, among others is further expected to support the market growth in the coming years.

Green & Bio-Solvents are generated from crops and are an environmentally beneficial alternative to conventional solvents. These organic solvents have many benefits, including reducing labor exposure to dangerous substances and protecting workspaces. Reducing the number of chemical compounds discharged into the air from coated surfaces like furniture and flooring increases security in homes and buildings. They also aid in reducing manufacturing operations' impact on the environment. This in turn is expected to support the market growth in the coming years.

Increasing Concern for Environmental Protection

Volatile Organic Compounds (VOC) evaporate rapidly in the air and con-

tribute to smog formation. Rapid evaporation of volatile organic compounds (VOC) is a factor contributing to smog development. Smog causes damage to the environment and human health. Most of the solvents and chemicals emit VOCs causing harm to the environment.

The growing VOC emissions requires alternatives in order to protect the environment. The United States emitted approximately 11.9 million tons of volatile organic compounds (VOC) in 2021. In comparison to the traditionally used petrochemical-based solvents, green & bio-solvents emit a lesser amount of volatile organic compounds (VOCs) while manufacturing and handling. Hence are being extensively used across wide application arenas such as manufacturing of agrochemicals, paints & coatings, adhesives & sealants, among others.

Growing adoption of green and bio-based solvents across various End User Industries

The market has expanded because of the increased use of green and bio-based solvents in a wide range of industries, including paints and coatings, pharmaceuticals, and cosmetics. Throughout the forecast period, the market for green solvents would continue to be led by the paints and coatings application segment. The use of green solvent in the paint and coating industry is fueled by growing environmental concerns as well as growing consumer awareness

of eco-friendly products. However, according to the European Solvents Industry Group (ESIG), five million tonnes of solvents are consumed yearly in Europe, of which only 13% are bio-based solvents. Additionally, on the global level, biobased solvents only account for 12% of the total market.

Recent Developments

The use of green and biobased solvents in asymmetric organocatalysis is growing due to several advantages over conventional catalytic techniques, including the operational simplicity of the organocatalytic processes, the tolerance to different functional groups, the high diversity of the available organic molecules, and the stability and non-toxicity of the catalyst. Additionally, asymmetric hydrogen-bonding organocatalytic processes have been conducted using biobased solvents.

Read the full report : <https://www.researchandmarkets.com/r/bxc53e>

If you want your report abstract to be published please contact info@chemicalmarket.net



Clariant and Omya Capitalize on the Benefits of Label-Free Innovation for SMP Sealants

- Achieve SMP sealants with various durability levels, with a single light & heat stabilizer solution which is label-free
- Features AddWorks® IBC 760 with Hostanox® O 3 P as a booster to improve weathering performance, reduce cracking, and extend the sealant service life
- Addresses key challenges: no yellowing, high UV and heat stability, in-cartridge color stability, no labeling

MUTTENZ, March 29, 2023 - Clariant and Omya joined forces on a new project to tackle customers' concerns related to the yellowing of the increasingly popular SMP (silane modified polymers) sealants. The results of their collaboration addressed the yellowing issue whilst delivering a label-free solution with higher light and heat performance versus standard solutions in the market. The partners are proud to introduce AddWorks IBC 760 to ECS 2023 visitors.

SMP is one of the industry's fastest-growing sealant technologies for diverse construction, automotive, and component applications. This is down to delivering high-performance elastic bonding on multiple substrates, these reactive sealants can be painted unlike other technologies, and they are free of solvents and isocyanates. However, using heat and light stabilizers for weathering performance has traditionally caused unsightly yellowing both in-cartridge and temporarily on extrusion, many are based on hazard-labeled materials, and service life for SMP sealants

is still limited.

“With the increased focus on raw material regulatory issues, and a need for manufacturers to create longer-lasting products



that help them differentiate and drive innovation toward more sustainable products, it was crucial to also consider these evolving priorities with Clariant in developing a new stabilizer solution,” comments Martin Oktai, Director Global Additives at Omya.

Clariant's AddWorks IBC 760 is at its core a hazards-free light and heat stabilizer package proven to meet or exceed the performance of benchmark solutions in SMP sealant formulations. By adding Hostanox O 3 P the formulator

can boost the weathering performance and heat stability even further. This allows for the development of a wider range of sealants for different customer requirements and applications.

“This innovation really captures the value of listening, collaborating, and applying learnings, within our whole way of working,” comments Martin John, Global Vice President Segment Coatings & Adhesives, Clariant. “By addressing one unmet need from SMP sealant manufacturers, the market has gained a label-free light and heat stabilizer package that meets the initial target of no yellowing and exceeds the performance of current solutions on the market. These benefits are now being evaluat-

ed for coatings systems, demonstrating that technologies in one market segment may prove beneficial in other application areas.”

Clariant and Omya will present the highly innovative properties of AddWorks IBC 760 and Hostanox O 3 P for SMP sealants at the European Coatings Show 2023 on Wednesday, March 29 11:30 – 11:50, Hall 3A, Booth 607.

Visit Clariant's team at its booth 322 in Hall 3A throughout the show for more details and supporting data on the joint development. ECS visitors can find Omya, Clariant's exclusive distributor for AddWorks IBC 760 in the EMEA region, at booth 3C-114 in Hall 3C.

Source : Chemical Market



HEUBACH LAUNCHES INFLUENTIAL AUTOMOTIVE STYLING SHADES 2027 TRENDBOOK AT ECS PLAN B FOR PLANET A

- See the latest color trends that will guide automotive color styling to 2027
- The 2027 shades are dedicated to sustainability and Planet Earth
- Experience Heubach's interactive 2027 Trendbook and innovative Car Color Configurator

Vienna, Austria, March 28, 2023 - The new Heubach Group, a market leader in diversified organic, inorganic, and anti-corrosive pigments, pigment preparations, dyes and specialty materials has announced the latest edition of its automotive color previews: Automotive Styling Shades 2027 Trendbook, "Plan B for Planet A". In doing so, the new Heubach Group continues Clariant's BU Pigments tradition of the biennial color trend forecasting of the "Automotive Styling Shades Trendbook" series.

Titled "Plan B for Planet A", the 2027 Trendbook is about the many aspects which make our planet worth living on and fighting for: Protecting the environment is just one of them, but freedom, human rights, justice, and personal well-being are equally important. We all know that in nature everything is linked with everything else. In our global community, such links are provided by the internet, connecting people, spurring innovation, distributing goods and in-

formation, and increasing overall process efficiency.

That is why the new 2027 Trendbook is entirely digital, easily accessible on Heubach's website, and linked with the innovative Car Color Configurator. Readers can select the type of vehicle and the scenery in which the 28 trend colors are displayed and download their individual version.

The Plan B for Planet A also includes a lower footprint of pigment production, safer and easier to use products, and improved color formulations. The merger of the high-performance pigment ranges from Heubach and Clariant BU Pigments expands the accessible color space, while the shared formulation know-

how helps to improve the visibility of vehicles by RADAR and LIDAR sensors which is a prerequisite for autonomous



driving.

"Our 2027 Trendbook is not only about nice colors and how our Planet A should be treated and run, but also about sharing ideas and information of state-of-the-art production and synergized use of color itself", says Bernhard Stengel-Rutkowski, Senior Technical Manager of Heubach's Global Technical Marketing Coatings and Color Formulator.

To discover the 28 styling shades in the 2027 Trendbook and the integrated Car Color Configurator, visit the Heubach booth at the European Coatings Show, Nuremberg, Hall 3C, Booth 427 and/or click here www.heubach.com/trendbook to

- Read the interactive 2027 Trendbook and/or Download the pdf-version of the Trendbook
- Customize your personal 2027 Trendbook
- Experience the innovative Car Color Configurator

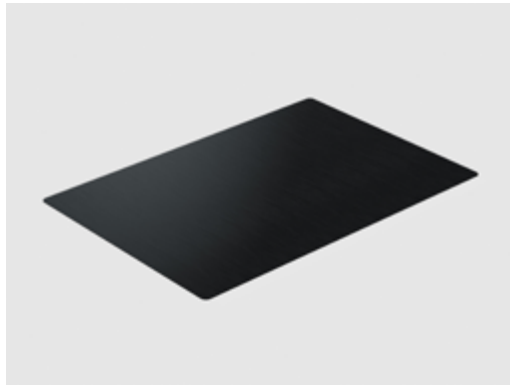
Source : Chemical Market

SOLVAY INTRODUCES NEW POLYMER FOR HIGH-HEAT EV BATTERY MODULE INSULATION

Alpharetta, Georgia, USA, March 23, 2023 - Solvay, a global market leader in specialty materials, has announced the introduction of a new high-heat and flame retardant grade in the company's Xydar® liquid crystal polymers (LCP) portfolio, which is designed to meet critical safety demands in EV battery components. The new Xydar® LCP G-330 HH material addresses challenging thermal and insulation requirements and is targeted particularly at battery module plates of EV models operating with higher voltage systems.

"As automakers are moving from 400V to 800V on next-generation electric vehicles, new regulations in

Europe, China, the United States and other countries are increasing the demand on battery components to withstand temperatures from 300°C to 1000°C for an extended window of up



to 15 minutes,” states Brian Baleno, Head of Marketing, Transportation at Solvay Materials. “Appropriate materials are expected to retain a level of electrical insulation protection that will provide sufficient time for passengers to exit the vehicle in a thermal runaway event. Our new Xydar® LCP grade combines this high safety potential with exceptional processability.”

Xydar® LCP G-330 HH is a glass-filled LCP for injection molding capable of retaining its electrical insulation upon exposure to 400°C for 30 minutes. Xydar® LCP is an inherently flame retardant polymer, without the use of halogen or bromine additives. In addition, it offers exceptional flowability and helps battery designers achieve thinner parts than possible with incumbent battery

module insulation materials, such as polycarbonates or aerogels. It has been successfully tested with plates molded in typical dimensions of 100 x 150 x 0.5 mm.

Xydar® LCP has a proven fit in many electrical and electronic as well as coating applications. Besides automotive lighting components, sensors, solenoids and connectors, advanced examples in e-mobility include thin-wall slot liners used in the rotor design of an electric drive traction motor.

Xydar® LCP G-330 HH extends the portfolio of Solvay’s battery solutions, which also includes Solef® PVDF for binders and separators, Ryton® PPS for coolant line connectors and vents, and Amodel® PPA for connectors and busbars.

Source : Press Release

**DOW BRINGS
THE POWER OF
SUSTAINABLE
MOBILITY TO
INTERBATTERY 2023**

Midland, Mich., – March 13, 2023 – From March 15-17, 2023, Dow (NYSE: DOW) will be showcasing its broad portfolio of solutions for EV batteries, including silicone foams, EPDM, polymer emulsions and adhesives, at the InterBattery 2023 show in Seoul, South Korea.

“With the growing interest in plug-in hybrid and battery-powered EVs, OEMs and tiers must be equipped with battery systems technologies that are not only safer and higher-performing, but also more sustainable,” said Jon Penrice, President MobilityScience™. “From battery packs and battery fire protection to electronic module assembly and EV controllers, our MobilityScience™ team

stands ready with world-class technical capabilities and decades of experience to help the industry navigate the electric road ahead.”

At Booth X103 in Coex Hall D, Dow’s experts will be on site to walk visitors through its innovative technologies that have helped drive a safer, lower-carbon future for the mobility industry, including:

- Silicone foam for battery fire protection
- o Dow is silicone material solution provider to balance components in the silicone foam material, collaborating with silicone foam producer to meet customer requirement including compressibility, low thermal conductivity (room temperature and high temperature), temperature resistance
- o Enables long-term module/pack operational stability and provides battery cell fire protection in the case of a thermal runaway for different cell types and module and pack configurations Based on the customer requirement the space between the cylindrical cells can be fully or half filled and/or the Si-Foam will only be applied on the top of cell system
- DOWSIL™ Thermal Conductive Materials
- o Designed to dissipate the heat from electronics to heat sink, this gap filler provides a reliable cooling solution for engine or transmission control units, on board chargers, or in battery packs or modules.
- VORATRON™ Adhesives, Potting, Gap fillers
- o Offers a wide range of superior electric vehicle battery pack assembly adhesives and gap fillers for processing efficiency and ease of customization



- o Supports advanced battery packs with high strength thermally conductive adhesives, high speed assembly with low squeeze force gap fillers and lightweighting/high productivity with engineered potting resins
- o Can be optimized for sustainability through formulation know-how that minimizes material loss during battery assembly, with the possibility of content circularity
- EV coolant fluid engineering system to enhance battery thermal management
- o Provide a lightweight polymer solution for EV thermal management systems with excellent reliability with chemical resistance, low plate out, and lower weight, enabling the evolution of coolant fluid engineering system for EV
- Adhesives, tie resins and CPP modifiers for Lithium-ion battery pouch cells containing aluminum-laminated films
- o Total solutions for different processes and optimized structure design
- o Enables improved material properties for better pouch cell durability, greater efficiency in energy consumption and increased packaging integrity with strong bonding/sealing strength between layer
- ELECPURE™ Thermo-Responsive Polymer Emulsion
- o Shuts down Lithium-ion battery separators and reduces thermal runaway risk at high temperatures

Additionally, Dow will display a full battery mockup at its booth, providing attendees the opportunity to experience first-hand how each technology performs across different battery designs, including prismatic, pouch and cylin-

drical cells, and how they can help advance the future of mobility.

Dow builds on 100+ years of transportation experience and expertise in application development to deliver innovative, cutting-edge solutions that keep the world moving. Its MobilityScience™ team provides OEMs and Tiers with a seamless and collaborative global partner for materials innovation through access to world-class technical capabilities and a broad portfolio of materials science solutions for the industry. Dow is committed to the future of mobility and is addressing the most pressing mobility challenges like de-carbonization and improving EV performance. For more information visit www.DowMobilityScience.com.

Source : Dow

CARVANA LAUNCHES NEWEST ICONIC CAR VENDING MACHINE IN THE EMPIRE STATE

Carvana, an industry pioneer for buying and selling used cars online, today debuted its newest Car Vending Machine near Long Island, located in Garden City, New York. The state-of-the-art steel and glass structure stands eight stories tall with a 27-vehicle capacity.

Carvana customers can save valuable time by shopping online and skipping the dealership, and can either select a convenient time to pick up their vehicle at the iconic Car Vending Machine or choose to have the vehicle delivered to their home. If a customer selects the Vending Machine, upon arrival, they will be greeted by a Customer Advocate and receive a commemorative, oversized Carvana coin to activate the automated vending process. Carvana customers get a front-row seat to watch their newly

purchased vehicle descend through the brightly lit vending structure from the heart of the all-glass tower.

Whether Long Islanders are shopping for a vehicle large enough to bring the whole family for a day at Jones Beach, or are in need of an all-weather vehicle in preparation for winter excursions to Lake Placid, Carvana offers an inventory that can keep up with the rapid lifestyles of New Yorkers.

“Long Island residents have so many different needs when it comes to a vehicle,” said Nicholas Gottlieb, Carvana Market Operations Manager. “We’re proud to offer Garden City a national inventory with thousands of vehicles, paired with as-soon-as-next-day vehicle delivery so customers can easily and quickly get exactly what they want.”

The debut of the newest iconic Car Vending Machine marks the first of its kind in the Empire State, and the 35th in the U.S. It is located at 2 North Avenue, Garden City, NY 11530. Location hours are Monday through Sunday from 9 AM to 7 PM ET.

Source : Automotive Technology

UMICORE STEPS UP SOLID-STATE BATTERY TECHNOLOGY DEVELOPMENT WITH INVESTMENT IN BLUE CURRENT

Umicore and Blue Current, a leading manufacturer of silicon elastic composite solid-state batteries, have agreed to strengthen their collaboration on the development of solid-state battery technology, with Umicore investing a minority stake in the U.S.-based start-up. This investment complements



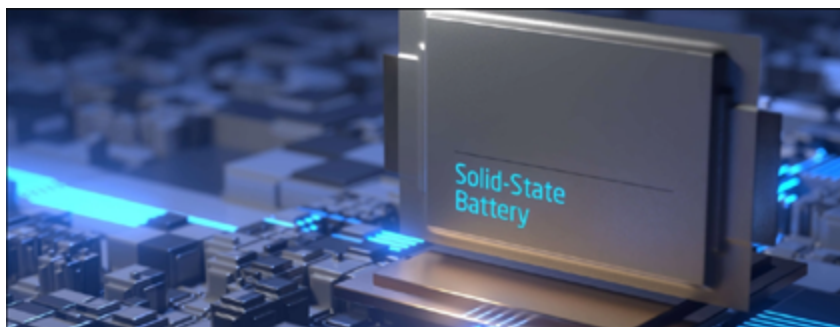
the joint development agreement (JDA) whereby both parties were able to integrate Umicore's battery materials in Blue Current's solid-state battery technology. By providing capital - in addition to supplying state-of-the-art battery materials under the JDA - Umicore intends to work with Blue Current to drive market adoption of the company's unique silicon elastic composite battery towards mid-decade.

Blue Current is a chemistry-led technology company focused on delivering on the promise of solid-state batteries for automotive and non-automotive markets where safety, energy density and performance are most critical. The company has its origins at Lawrence Berkeley and Argonne National Laboratories, UC Berkeley and the University of North Carolina. Blue Current has been working exclusively in the area of silicon anodes with completely dry composite electrolytes since 2018, and it has extensive intellectual property in this area.

“Umicore is looking forward to taking the next step in our collaboration with Blue Current on solid-state battery technologies and build on the first promising outcome during a year of joint research,” said Stéphane Levasseur, Senior Innovation Director New Business Incubation at Umicore. “Such agreements complement other research efforts in the battery materials ecosystem and across the value chain – from R&D to our end-customers

– reinforcing our lead in current and future battery materials technologies to best serve an industry that is transforming at an unseen speed.”

“Blue Current is excited to expand our joint development with Umicore through this investment,” said Kevin Wujcik, Chief Technology Officer at Blue Current. “Over the last year we’ve been working together to validate the compatibility of our respective sol-



id-state battery technologies and have made great progress. The commercial success of solid-state batteries will require active materials and solid electrolytes that are specifically designed to work together. This partnership is critical to the development of such next generation materials.”

“The promise of solid electrolytes is to enable electrodes that cannot cycle in liquid electrolytes”, said Nitash Balsara, cofounder of Blue Current, Senior Faculty Scientist at Lawrence Berkeley National Lab, and Professor of Electrochemistry in the Department of Chemical and Biomolecular Engineering at the University of California. “In particular the use of a composite solid electrolyte to enable silicon cycling is compelling given the high capacity of this material.”

Solid-state batteries will have a number of benefits compared to current lithium-ion battery technologies with liquid electrolytes. Their composite electrolytes and silicon anodes allow for

electric vehicle (EV) designers to create smaller, lighter, and lower-cost battery packs with greater safety at the cell level and higher energy density at the cell and system level. This also increases the driving range of EVs and speeds up charging, which are critical benefits for end-customers.

Umicore's roadmap for rechargeable battery materials spans short-, mid- and long-term research horizons for cathode and silicon-based anodes, including those used in solid-state technologies. In parallel with its own research and inhouse work, Umicore develops technologies with third parties, like start-ups and scale-ups, as well as academic organizations.

As a circular materials technology company, innovation is at the core of Umicore's success.

The Group is in a leading position in the development of cathode active materials, anodes and catholytes for solid-state batteries, which is reflected by numerous agreements in place with several partners (OEMs, start-ups and the academic sector). In 2021 already, Umicore announced that it holds a stake in Solid Power, a Colorado-based industry-leading developer of next-generation all-solid-state batteries for electric vehicles. In June 2022, Umicore and Idemitsu Kosan Co., Ltd also agreed to jointly develop high-performance catholyte materials for solid-state batteries, combining their respective expertise in cathode active materials and solid electrolytes, with the aim to provide the technological breakthrough to extend the driving range and thereby propel the movement towards greater e-mobility.

Source : Umicore



CLEARCORRECT® LAUNCHES SUITE OF NEW PRODUCTS AND INNOVATIONS AHEAD OF INTERNATIONAL DENTAL SHOW

- Orthodontic brand announces seven new solutions designed to support doctors treating both mild and complex cases.
- Acquisition of ClearCorrect® by Straumann Group in 2017 has turbocharged the company's software and product development pipeline.
- International Dental Show runs from March 14-18 and is acknowledged as the leading trade fair for the dental community.

Basel, 15 March 2023 - ClearCorrect®, the Straumann Group's flagship orthodontic brand and provider of orthodontic products and solutions, has launched an array of new innovations that will be on display at the International Dental Show (IDS) in Cologne, Germany.

The company has released a total of seven new products and features designed to assist doctors in their treatment of patients – in particular, the innovations will help them to treat a range of cases, from mild to complex, through new aligner customization options, an improved and empowering digital workflow, and increased support and education.

“We are looking forward to presenting in person at IDS,” commented Camila Finzi, EVP and Head of the Orthodontic Business Unit. “Due to the pandemic,

it's been four years since we last attended, and while those years were difficult for everyone, we spent our time enhancing our technologies, our products, and our user experience to enable doctors to improve their practice efficiencies and patient outcomes.”

ClearCorrect® has been part of the Straumann Group since the global dental enterprise acquired it in 2017, consolidating its position as a leader in clear aligner manufacturing and supplier to doctors all around the world.

At IDS, the company will exhibit its latest offerings. These include:

Pontics, bars, and guides

Several features have been developed in order to deliver an enhanced end-to-end workflow that allows doctors to more effectively treat patients who have missing or erupting teeth.

Such features include new, optimized shapes for a more aesthetic appearance and the option to resize features as space increases and decreases for convenience. There is also the flexibility to plan and visualize these features at any step in the process.

IOS integrations

New digital workflows and enhancements have been made to optimize integrations between ClearCorrect® and two IOS platforms.

- Virtuo Vivo™: New updates of the Virtuo Vivo™ software will allow for a significantly faster scan for ClearCorrect®, increasing overall work-

flow efficiency.

- 3Shape™ Unite: Includes a new embedded retainer case submission and embedded revision submission workflows.

Mobile app

Available on Apple® and Android™ devices, the ClearCorrect® Sync mobile application enables providers to create new cases, take and edit patient photos, and instantly upload them to the Doctor Portal. Fronted by a simple and intuitive interface, it helps to streamline workflows and provide a more efficient service to customers.

Doctor Portal upgrades: Dynamic Prescription Form

Numerous management enhancements have been made in the Doctor Portal, along with the Dynamic Prescription Form in order to be more intuitive for practitioners. These

upgrades include more customization options, guided prescription entry with dynamic display of options based on a range of factors (case complexity, patient dental conditions, doctor preferences), and new drag and drop photo categorization tools for easy optimization of records.

ClearPilot™ 6.0

A series of upgrades have been made to the ClearPilot™ treatment viewer software, including a new and more intuitive interface that has been developed in response to doctors' feedback. Key features of the interface include improved 3D model rendering, an expanded and simplified viewing area, and improved treatment timeline to enable visual cues



on steps when appointments are needed.

ClearPilot™ 6.0 also includes direct collision and space editing with automated adjacent tooth adjustments and point-to-point measurement tools that provide arch and tooth dimension estimates.

Collaborator Suite: new efficiencies

Customers can now order external treatment planning services (TPS) directly from ClearCorrect® global TPS partners, who collaborate with ClearCorrect® technicians to develop optimal treatment setups – this gives doctors the confidence to spend more time with patients as opposed to treatment planning. Ortho Campus and Clinic App

ClearCorrect® will also be displaying its Ortho Campus education platform at IDS. This comprises a selection of on-line orthodontic tools and educational resources in eight different languages.

The Ortho Campus portal (Ortho Classroom) has been designed to boost knowledge across orthodontic practices and their employees. It also includes a Case Gallery of real-world examples where patients have been successfully treated with ClearCorrect®.

Also included in Ortho Campus is the ClearCorrect® Clinic App: an in-office patient education tool available in 11 languages. For clinicians and staff who are looking for help with patient conversion, the Clinic App includes patient-friendly talk-tracks on the consequences of various malocclusions, the overall benefits of clear aligners, and aids in starting and guiding conversations with patients about their oral health and how ClearCorrect® can help.

Source : Press Release

INTERPACK 2023:

DIGITAL SOLUTIONS FOR LIQUID PHARMACEUTICAL PROCESSING FROM SYNTEGON

At this year's interpack, Syntegon will provide insights into the future of liquid pharmaceutical processing. The expert for process and packaging technology has equipped the proven ALF 5000 filling and closing machine with smart functions: from individual container tracking and an intelligent piston pump to AR-supported format changes, visitors will gain an overview of current solutions. Syntegon will also present the next stage of its cloud-based software solution Synexio, which makes it easier to identify potential for equipment and process optimizations.

Heading towards the factory of the future

"The future of the pharmaceutical industry lies in increased automation and digitalization. Manufacturing companies need solutions that process the huge amounts of partially unused data for process optimization," explains Daniel Sturm, Product Manager Automation at Syntegon. At interpack, the ALF 5000 filling and closing machine will demonstrate current possibilities and future potential. Amongst others, eight filling stations will show visitors which filling systems – from single-use to intelligent piston pumps – can be used with different degrees of automation.

SODA: traceability of primary packaging containers

Syntegon's Single Object Data Acquisition (SODA) system will also be displayed on the ALF 5000. It assigns all object and process-specific data of primary packaging materials to individual batches and containers – even after they

have left the machine. In combination with the smart containers EVERIC© smart from primary packaging manufacturer SCHOTT, SODA offers a very special advantage: the pre-coded containers are already equipped with a unique data matrix code that can be read via cameras. "Valuable information collected during production is assigned to individual containers and can be traced in a structured manner. This opens up a wide range of possibilities for our customers to make their production even safer and to take targeted action in the event of complaints," says Sturm.

Significant time savings and higher process reliability thanks to digital solutions

The ALF 5000 also features an intelligent piston pump – the "Smart Pump" from Syntegon. "The pump always carries its memory with it on an RFID chip, even when it is not installed in the machine," Sturm explains. "The system automatically recognizes the pump, for example after cleaning – which significantly increases process reliability, reduces human error, and saves a lot of time in ongoing production." The AR solution with HoloLens glasses also ensures considerable time savings as well as fast training of inexperienced staff. Format changes can be carried out faster thanks to guided operator support. Errors during ongoing production are displayed immediately in the field of view along with virtual support.

Synexio: Data transparency at all times

The new cloud-based software solution Synexio enables the acquisition, evaluation, and visualization of equipment and production data. The entry-level package "Monitor" visualizes various KPIs and creates greater transparency in production. "Our customers are already successfully using the basic package. Now it is time for the upgrade to the next level," says Elisa Hein, Product Manager Expert Services at Syntegon. At this



year's interpack, Syntegon will present the second Synexio package "Uptime". "We go deeper into detail with Uptime: in addition to machine availability, concrete potential for improvement can now also be determined, for example by visualizing the most frequently occurring reasons for stops," Hein explains.

Synexio is part of Syntegon's new Service Agreements, which form the basis for effective equipment and maintenance management at fixed prices. Seven dedicated levels enable customers to minimize production risks, make service costs more transparent, and simplify complex processes – enabling them to focus on their core business. With each

level, the scope of the covered services increases, from basic service including inspection and remote service to guaranteed production performance of their machines.

The highest flexibility all along the line

The flexible Service Agreements are available for all machines from the Syntegon portfolio. This also accounts for the modular RMA (Range Manual Assembly) assembly machine for auto-injectors, pens, safety devices, and other medical devices. The pilot unit for clinical trials and small batch sizes exhibited at interpack features a workstation for manual loading and unloading of com-

ponents and devices; all other process steps are carried out automatically. This way, the manual workstation achieves an output of one to three devices per minute. In addition, the hygienic design and fast format changes ensure maximum flexibility.

Versatility is also a key characteristic of Syntegon's further portfolio for the production and processing of liquid pharmaceuticals. This includes the SVP process systems for the production of small-volume liquid pharmaceuticals, freeze dryers including a loading and unloading system, as well as flexible inspection solutions.

Source : World Pharma Today

CHEMICAL TECHNOLOGY

DEVELOPMENT OF AN ECO-FRIENDLY COATER FOR LIB ELECTRODES

Toray Engineering Co., Ltd. (Headquarters: Chuo-ku, Tokyo; CEO & COO: Takashi Iwade; hereinafter "Toray Engineering") has developed an eco-friendly coater for secondary lithium ion battery (LiB) electrodes, and will launch it next April.

This device coats electrode materials over base materials in the LiB electrode manufacturing process. A new highly efficient drying system that we developed can reduce energy consumption by about 25% compared to conventional machines.

To realize a carbon-neutral society, Toray Engineering will launch this eco-friendly device and propose it to LiB manufacturers across the world. The target order volume is 1.5 billion yen in fiscal 2023 and 5 billion yen in fiscal 2026.

LiB electrodes are produced by applying

coating fluid made by blending electrode materials and organic solvent to metal base materials in advance and drying it. Although hot-air drying, where LiB electrodes are dried with heated air, is commonly employed, the inside of the furnace must be constantly heated to a high temperature to control the concentration of organic solvent in the furnace below the explosion-proof standards(*) while taking in outside air for ventilation. Therefore, energy consumption in the electrode production process is said to account for about 45% of that in the whole LiB manufacturing process.

Toray Engineering has developed a proprietary drying system that circulates and reuses hot air in the dry furnace to reduce energy consumption in the LiB electrode manufacturing process ahead of our competitors. This technology integrates the dry furnace and the organic solvent collection unit into a single system to collect the solvent and circulate and reuse heat even though hot air used in the dry furnace went through exhaust treatment in solvent collection equipment outside the factory in the past. This circulation cycle makes it possible to minimize energy loss during solvent

collection, eliminating the effects of phenomena such as liquefaction of organic solvent in the duct due to outside air, which were issues in conventional systems.

In addition, because this device circulates and reuses hot air, it is possible to simplify the air supply ducts for taking in outside air, exhaust air ducts for discharging used air to the atmosphere, and exhaust gas treatment equipment to reduce initial costs.

Demand for LiB is expected to increase sixfold or so compared with that in 2022 by 2030 due to factors such as the increasing percentage of electric cars. In this context, LiB manufacturers are aggressively making capital investments to increase their production capacity. We will address positive demand for equipment and develop and deploy manufacturing technologies with high environmental performance to contribute to the realization of a decarbonized society.

Toray Engineering will contribute to the realization of a carbon-neutral society and provide solutions for all kinds of manufacturing challenges by leveraging



our technology, engineering expertise and know-how.

Details of this eco-friendly coater for LiB Electrodes are follows.

1. Product features: Approximately 25% energy savings compared to the conventional LiB electrode coating process (55% energy savings when combined with the optimization effects of the control concentration of organic solvent due to the relaxation of the controlled concentration regulation in the explosion-proof standards)
2. Technological features:
 - Optimization control system for drying and solvent collection
 - Integration of the dry furnace and the organic solvent collection unit
3. Application: Coating of LiB electrodes
4. Target order volume:
 - 1.5 billion yen in fiscal 2023
 - 5 billion yen in fiscal 2026
5. Conceptual diagram of the coater.

* Explosion-proof standards: Standards for preventing ignition of explosive gases such as organic solvents.

Source : Press Release

HONEYWELL OPENS NEW TECHNOLOGY CENTER IN INDIA

GURGAON, India, Feb. 14, 2012 / PRNewswire/ -- Honeywell (NYSE: HON) announced the opening of a new technology center in India, further expanding its technology development capabilities in key areas including refining, petrochemical, low-global-warming and nylon technologies and applications.

The facility in Gurgaon, India, features pilot plants for developing and demonstrating refining and petrochemical process technology by UOP, part of Honeywell's Performance Materials and Technologies (PMT) strategic business group. The center will also perform other product and application development for PMT, including fluorine and nylon technologies. Honeywell invested \$34 million in the 8,830-square-meter (95,000-square-foot) center.

"This new facility will allow Honeywell to put its vast resources to work in collaboration with some of the brightest engineering minds in India," said Rajeev Gautam, president and CEO of Honeywell's UOP, who officially opened the center at a ceremony attended by Shri Jaipal Reddy, India's Minister of Petroleum & Natural Gas, and other dignitaries. "It brings the development of key technologies closer to our customers in the region and complements our other technology centers around the world."

The Honeywell India Technology Center will primarily support Honeywell UOP's work in developing and licensing process technologies used in refining and the production of petrochemicals and renewable fuels. UOP is a recognized leader in refining, petrochemical and biofuel process technology.

Additionally, the facility will support PMT's efforts to develop new low-global-warming refrigerants, blowing agents and other materials. Engineers at the technology center will also conduct research and customer-specific engineering work in caprolactam, a key material used in nylon production, and nylon resin.

"Honeywell is an industry leader when it comes to investing in research and development," said Mark Turowicz, managing director of Honeywell Performance Materials and Technologies India. "This center adds to India's growing strength as a global knowledge

hub, allowing some of the best engineering minds to produce breakthrough technologies to be used in India and beyond."

The center will initially employ 40 researchers, with the total expected to grow to 170 in the next five years. The new technology center is Honeywell's fourth in India. Honeywell has rapidly expanded its footprint in India, with five manufacturing locations, 10 key offices and sales presence in more than 50 cities. Honeywell's employee base in India has grown from 1,000 employees in 2002 to more than 12,500 today.

Honeywell Performance Materials and Technologies is a global leader in developing and manufacturing advanced materials and process technologies. These materials and technologies are used by people every day in a wide range of industries and applications, from petroleum refining to environmentally friendlier refrigerants to bullet-resistant vests. Our advanced materials are critical in the manufacture of products ranging from nylon to computer chips to pharmaceutical packaging. Process technologies developed by our UOP business form the foundation for most of the world's refiners, efficiently producing gasoline, diesel, jet fuel and petrochemicals. UOP is now pioneering technology to produce real fuels from renewable energy sources.

Honeywell International (www.honeywell.com) is a Fortune 100 diversified technology and manufacturing leader, serving customers worldwide with aerospace products and services; control technologies for buildings, homes and industry; automotive products; turbochargers; and specialty materials. Based in Morris Township, N.J., Honeywell's shares are traded on the New York, London, and Chicago Stock Exchanges. For more news and information on Honeywell, please visit www.honeywellnow.com.

Source : PRNewswire



DSM ENGINEERING MATERIALS HELPS NOHO LAUNCH THE NEXT STAGE OF ITS SUSTAINABLE FURNITURE PORTFOLIO WITH ECOPAXX®

Gleen (NL), 22 March 2023 - DSM Engineering Materials today announces the launch of its first collaboration with New Zealand-based direct-to-consumer furniture brand noho: Lightly™ stackable chairs. The new plant- and recycled-based product is the first chair to be manufactured from DSM Engineering Materials' EcoPaXX® biobased polyamide, which is derived from the castor bean plant. This renewable resource is highly CO2 absorbent while it is growing, giving EcoPaXX® a lower carbon footprint compared to fossil-based alternatives. Combining superior functional performance, optimal durability, and excellent aesthetics with a significantly reduced environmental impact, EcoPaXX® is facilitating noho's goal of creating furniture that is better for people and the planet.

In line with noho's strong environmental commitments, it collaborated with DSM Engineering Materials to create Lightly – its first product made from a biobased material – helping to accelerate the next phase of the brand's sustainability journey. The launch of Lightly marks the second entry in noho's portfolio of ergonomically designed and more sustainably produced chairs for work, home, and events. Lightly™ will be available to order in the USA and New Zealand from March 16.

The chair is created using both EcoPaXX® (~71%) and recycled post-consumer waste materials (~28%). EcoPaXX® is 70% biobased, with its renewable content derived from castor bean plants. EcoPaXX® biobased polyamides have a wide range of uses across industries such as automotive, water management, consumer goods and electronics, and food packaging.

Combining comfort and convenience, Lightly is designed to be light and easily stackable for simplified storage, mobility and versatility: one chair weighs only 2.7kg (6 lbs.) and a stack of 10 chairs reaches just 106cm (3.5 feet) from the ground – allowing users to easily tidy them away when not in use. This compactness also reduces the greenhouse gas (GHG) emissions related to shipping the products, as more chairs can be loaded into a single container.

Lightly offers users excellent comfort thanks to its award-winning, research-based design. Nevertheless, its thin frame is manufactured using as little material as possible to reduce GHG emissions related to raw material sourcing. This means the material used must meet extremely demanding performance standards, and EcoPaXX® provides the ideal combination of strength, durability, low moisture uptake, and excellent surface finish – resulting in a product that is as attractive and robust as it is sustainable.

A key material proof point within DSM Engineering Materials' Simply Circular™ initiative, EcoPaXX® helps manu-

facturers such as noho to close the loop on material flows. Paul Wilkinson, Co-CEO at noho, commented: "We're excited to be bringing to market a product that offers users superior versatility and ergonomic design while reducing the carbon emissions caused by its manufacture. The opportunities that DSM Engineering Materials offers in the areas of recycled and plant-based materials fit well with noho's philosophy. Thanks to

our collaboration, we are one step further on our mission to create furniture designed to fit the needs we see in people's homes in a way which is better for the environment."

Martin Wolffs, Global Business Manager EcoPaXX at DSM Engineering Materials, commented: "It's a pleasure to help bring to life noho's future-focused vision of minimizing its environ-

mental impact by considering the entire product life cycle, from manufacture to shipping – designing more sustainably wherever possible. Our biobased materials offer exceptional performance with a greatly reduced ecological impact – helping pave the way toward a circular economy for materials."

Source : Chemical Market



CHINAPLAS 2023: BASF SUBSIDIARY TRINAMIX SHOWCASES MOBILE NIR SPECTROSCOPY SOLUTIONS FOR ON-THE-SPOT



IDENTIFICATION OF PLASTICS AND TEXTILES

- Innovative handheld solution identifies more than 30 plastic types on the spot
- Newly-launched solution introduces on-site identification of more than 15 textile materials and compositions
- Product demonstrations from April 17 to 20 at Chinaplas 2023: BASF booth no. 17F71 in hall 17

Shenzhen, China - March 27, 2023. trinamiX, a wholly-owned subsidiary of BASF, recently announced that it will be exhibiting at Chinaplas 2023 to present its Mobile NIR Spectroscopy Solutions in Shenzhen. Combining a robust handheld device with an intuitive app, the innovative solutions identify a broad range of plastic and textile materials on the spot. trinamiX thereby empowers customers across the circular economy value chain to improve sorting of waste streams as a crucial step in the recycling process.



At the push of a button, trinamiX Mobile NIR Spectroscopy Solutions distinguish more than 30 plastic types as well as 15 different kinds of textiles and compositions without damaging the material. Within seconds, the results are shown on the user's smartphone and become available in a customer portal where in-depth reports can be created.

The spectrum of the plastic solution ranges from classic polyolefins including PE, PP and PVC to technical plastics such as ABS or PA. The newly-launched textile solution supports a wide selection of textile grades used in clothing, furniture, and household goods, including cotton, wool, silk, and nylon 6/6.6.

Textile blends for the most common material types can also be identified.

trinamiX aims to help businesses sort used plastics and textiles into clean waste streams which in turn improve the overall recycling quality. Working closely with customers and partners in various industries around the world, trinamiX empowers circular business models and contributes to an efficient and reliable waste collection, sorting and recycling infrastructure.

"With the introduction of our Mobile NIR Spectroscopy Solutions, we're equipping businesses in China with flexible material

identification wherever large industrial solutions don't fit," said Yang Yuxuan, Senior Business Develop-

ment Manager for Greater China at trinamiX. "We're proud that our solutions bring value to companies while contributing to a more sustainable future in Asia and beyond."

Source : BASF

**CLARIANT LAUNCHES
'THE JOYOLOGIST'
CONCEPT WITH
INSPIRING
FORMULATIONS TO**

BRIGHTEN YOUR SKIN AND MOOD

- "Feel-Good Magic Stick" and "Forget-It-All Relaxing Mask", two natural formulations under Clariant's new "The Joyologist" concept
- Products complement daily routine, bringing joy to the skin and mood
- New formulations contain Clariant's exciting active ingredients – Rootness® Mood+ and Beracare™ CBA
- The Joyologist helps consumers with natural solutions that can enhance wellness and happiness

MUTTENZ, April 5, 2023 - Today, the search for holistic wellness is flourishing as consumers focus on mental health and solutions that can help inspire them to relax and feel happy. As part of this growing trend, Clariant Actives and Natural Origins has created two formulations to promote inner wellness.

The Feel-Good Magic Stick and Forget-It-All Relaxing Mask are formulations developed as part of Clariant's new "The Joyologist" concept, focused on delivering a multi-sensory experience to consumers for mood enhancement and relaxation. Both formulations complement a daily routine.

"Based on a Beautystreams report titled Joyology 2021-2026, consumers believe that beauty care can help them feel happier and more confident. Among 29 potential sources of happiness measured, 55% of people across the world said they are most likely to derive "the greatest happiness" from health and physical



**wellbeing. This inner well-
ness can further increase
if personal care products
are also aligned with their
concerns for safety and the
conservation of nature,”
said Flávia Igreja, Global
Marketing and Formula-
tion Manager for Actives
and Natural Origins.**

The “Feel-Good Magic Stick” is a water-based facial skin stick that provides a relaxing, fresh effect at any moment of the day for a well-being push. Aqueous gels provide cooling sensations to

the skin thanks to their water-based formulation and the gel in the “Feel-Good Magic Stick” has a lightweight, non-greasy texture that absorbs quickly into the skin, leaving it feeling soft and hydrated.

The formulation is based on Clariant’s new active ingredient Rootness Mood+ that reproduces the natural benefits of light to revitalize the skin and enhance the mood. Sourced from *Sanguisorba officinalis*, a plant used in traditional Chinese medicine, it is derived from environmentally friendly plant-milking technology.

As an ideal complement to the Feel-Good Magic Stick, the “Forget-It-

All Relaxing Mask” is applied to the skin at the end of the day. Offered in a multi-sensorial relaxation set, which includes a scented candle and relaxing playlist, the facial care mask has a soft texture that leaves skin feeling relaxed and soothed.

Its key active ingredient is Beracare CBA, a complex blend in which copaiba oil’s tremendous potential is boosted by passion fruit oil. Beracare CBA, which is sourced responsibly from renewable resources in the Amazon, offers an alternative to Cannabidiol (CBD), soothing sensitive skin by targeting the skin’s endocannabinoid system.

Source : Press Release

MERGERS AND ACQUISITIONS

SCHOTT ENTERS PPA WITH CLEANMAX FOR WIND SOLAR HYBRID PROJECT

- This unique Power Purchase Agreement to procure 5.5 MW is part of the German Technology Group SCHOTT’s global commitment to achieve climate neutrality by 2030, as well as India’s aim to reduce carbon emissions to 45% within the same deadline.
- The Agreement is signed for 20 years, which will significantly reduce carbon emissions in an otherwise energy-intensive glass production facility.

2 1 March 2023, Mumbai: The international technology group SCHOTT has entered into an agreement with CleanMax Enviro Energy Solutions, Asia’s leading C&I renewable energy

company for purchasing green energy from a 5.5 MW renewable energy (Wind – Solar hybrid) project in Babra, Gujarat, India.

The green energy will be utilized to run SCHOTT’s operations at its glass tubing factory in Jambusar, Bharuch, Gujarat. This agreement comes under the aegis of SCHOTT’s commitment to becoming climate neutral across its production by 2030. To switch its electricity supply to 100% green energy, SCHOTT is also relying on power purchase agreements (PPAs). PPAs are contracts with operators of renewable energy plants, such as wind or solar farms.

CleanMax will set up and operate a hybrid power plant with a capacity of 3.6 MW Wind and 1.9 MW Solar and supply power to SCHOTT’s glass facility in Jambusar, Gujarat (India). [CF1] The PPA is for a period of 20 years.

Kuldeep Jain, MD CleanMax, said, “CleanMax strives to be the sustainability partner of choice for corporates and

companies. This PPA with Schott Glass is another feather in our cap and we are proud to aid the sustainability efforts being undertaken at Schott Glass.”

Welcoming this move, Pawan Shukla, Managing Director SCHOTT Glass India, said, “We are very proud to have signed this PPA with CleanMax as a part of our global commitment to become climate neutral. Apart from the fact that this will reduce our energy cost by a significant percentage, it is our valuable contribution to India’s aim to reduce carbon emissions by 45% by the end of 2030”.



The 5.5 MW Wind – Solar hybrid project will lead to carbon abatement of approximately 16,000 tons CO₂ equivalent annually. This is equivalent to planting 420 trees or taking 2,750 cars off the roads. This project capacity is part of a larger wind solar hybrid farm being developed by CleanMax in Babra, Gujarat. The overall capacity of the CleanMax wind solar hybrid farm will stand at 400 MW, leading to carbon abatement of more than 870,000 tons CO₂ equivalent annually.

SCHOTT strategy: Four action fields for climate neutrality

In 2020, SCHOTT had announced its plan to become climate neutral across its production by 2030. The company wants to achieve its goal of climate neutrality through an action plan with four pillars. It is focusing on technology change in addition to switching to 100% green electricity. Another field of action is improving energy efficiency. The last step in the company's plan is compensating its remaining emissions. The company has launched important projects to develop more climate-friendly melting technologies.

Specialty glass production requires a lot of energy. To manufacture pharmaceutical glass tubing, or protective smartphone cover glass, SCHOTT requires temperatures of up to 1,700° Celsius to melt the raw materials for glass. Its melting furnaces have primarily relied on fossil fuel natural gas. They consume the largest share of energy at SCHOTT, and therefore cause most of its carbon emissions.

At the start of the Zero Carbon program, SCHOTT's global emissions were around one million tons of carbon dioxide equivalents (CO₂e). By 2022, the company has reduced its carbon emissions by more than 60%, despite an increase in energy consumption due to production facilities' high-capacity utilization and the construction of new ones.

AGILYX AND INEOS STYROLUTION ADVANCE DEVELOPMENT OF LARGE SCALE TRUSTYRENYX™ PLANT

- Collaboration with Technip Energies developing into projects
- Final stage of design and engineering work will form the basis for construction
- Facility will process up to 100 tons of polystyrene waste per day

AURORA, Ill and OSLO, Norway – March 27, 2023 - INEOS Styrolution America LLC (“INEOS Styrolution”), a global leader in styrenics, and Agilyx ASA (OSE: AGLX; OTCQX: AGXXF) (“Agilyx”), a technology company that enables customers to recycle post-use plastics to high value, virgin-equivalent products, today announce that they are advancing the development of a previously announced 100 tons per day TruStyrenyx™ chemical recycling facility in Channahon, Illinois.

TruStyrenyx is a partnership between Agilyx and Technip Energies and provides an all-in-one solution for the chemical recycling of polystyrene back into high purity styrene monomer. The styrene monomer can be used to make new, food-grade plastic products or packaging.

Under the agreement, Agilyx and Technip Energies will collaborate with INEOS Styrolution and together develop the design and engineering that will serve as the basis for constructing the

chemical recycling facility. The group anticipates completion of engineering in 2023, which will form the basis for a financial investment decision.

Greg Fordyce, President of INEOS Styrolution, says, “We are very pleased to announce the advancement of the recycling plant in Channahon, Illinois. This facility will increase polystyrene recycling rates in the greater Chicago area and across the United States and demonstrates our company's ongoing commitment to sustainability. The TruStyrenyx facility will allow us to provide our customers with recycled content that is incredibly high purity for producing environmentally conscious products using innovative and sustainable solutions.”

Tim Stedman, CEO of Agilyx states, “I’m delighted that we are partnering with INEOS Styrolution to continue development of the first large scale TruStyrenyx plant, utilizing some of the private placement funds Agilyx raised in September. We view TruStyrenyx as a game changer in the recycling of polystyrene, enabling an incredibly high purity, circular solution. This new facility will help to meet the growing demand from brand owners and consumers who want to see more recycled plastics in products.”

Source : Press Release



AIR LIQUIDE TO MODERNIZE AND LOWER THE CARBON FOOTPRINT OF TWO OXYGEN PRODUCTION UNITS IN TIANJIN, CHINA

Air Liquide will invest around 60 million euros to revamp two Air Separation Units (ASUs) the Group operates in the Tianjin industrial basin, in China. This announcement comes within the context of the renewal of a long-term industrial gases supply contract with Tianjin Bohua Yongli Chemical Industry Co., Ltd (“YLC”), a subsidiary of the Bohua Group. As part of this modernization plan, Air Liquide will significantly reduce the CO2 emissions linked to the production of oxygen and other gases with the adaptation of these ASUs so they can run on electrical power instead of steam. In addition, the Group has signed a three-party Memorandum of Understanding with YLC and the Tianjin Binhai District, notably to explore the implementation of Carbon Capture, Use and Storage (CCUS) solutions.

Replacing the current steam supply of the ASUs by electricity will avoid the emission of 370,000 tonnes of CO2 per year. This is comparable to the equivalent electricity-related emissions of more than one million Chinese households. The two electrified Air Separation Units will produce oxygen and other air gases to supply YLC as well as other industrial customers in the Tianjin basin. They will have a total oxygen production capacity of ~4,000 tons/day. Planned to be operational mid 2024, the two ASUs will be modernized by Air Liquide En-

gineering & Construction without any disruption of supply to YLC and other local customers.

This project also includes the possible supply of low carbon energy to the units through Power Purchase Agreements (PPAs) currently under discussion. This would allow further emission reductions in the future.

This contract extends Air Liquide’s involvement in the development of the Tianjin basin, which has spanned more than 20 years, and hosts many major international and local chemical companies. Air Liquide owns and operates a total of 4 production sites and a large pipeline system connecting 3 industrial parks (Lingang, Dagang, Nangang) in the region, supplying industrial gases to Large Industries, Industrial Merchant and Healthcare customers.

François Abrial, Member of the Air Liquide Group’s Executive Committee supervising Asia Pacific, said: This contract renewal and new investment further enhance Air Liquide’s long-term collaboration with Tianjin Bohua Yongli Chemical Industry. Leveraging our expertise in air gases production, the project demonstrates our capacity to bring reliable and competitive solutions for our customers while reducing carbon emissions. In line with its sustainable development commitment as part of its strategic plan ADVANCE, Air Liquide is proud to support Tianjin’s ambitious climate plan.

Wang Junming, President of Tianjin Bohua Group, stated: We are pleased to further strengthen our partnership with Air Liquide in Tianjin. The new investment will provide a reliable supply of important raw materials and industrial gases to Yongli site in Tianjin. In addition, we will realize the synergy to reduce the carbon footprint of oxygen, nitrogen and other gases, and support

Tianjin climate ambitions.

Source : Air Liquide

DNV AND PETROJET SIGN MOU TO SUPPORT GREEN HYDROGEN PROJECTS IN EGYPT

DNV, the global independent energy expert and assurance provider, signed a memorandum of understanding (MoU) with PETROJET, a leading regional Engineering-Procurement-Construction (EPC) contractor, to strengthen their collaboration for the energy transition in Egypt through the development of green hydrogen and its derivatives (including ammonia).

The MoU aims to scope areas in which DNV can support PETROJET with its technical expertise in design verification and project assurance, as PETROJET is seeking a leading role as a green hydrogen EPC contractor. The agreement also encompasses renewable power generation and energy storage projects, technical studies for natural gas and hydrogen/natural gas blend infrastructure, along with other technical services for CO2 or low-carbon hydrogen projects.

The agreement was signed at Egypt Petroleum Show (EGYPS 2023) by PETROJET’s Chairman & Managing Director Waleed lotfy Hamed and DNV’s Vice President and Area Manager for North Africa Hisham El-Grawany. The signing was witnessed by HE Tarek El-Molla, Minister of Petroleum and Mineral Resources, and HE Hilde Klemetsdal, Ambassador of Norway.

“Supporting the emergence of a robust hydrogen economy aligns with our

commitment to the ambitions of the Paris Agreement, said Santiago Blanco, Executive Vice-president and Regional Director Southern Europe, Middle East and Latin America, Energy Systems at DNV. The scaling-up of green hydrogen is central for hard-to-abate sectors looking for low-carbon solutions to reach Net Zero before 2050”.

“Egypt has great potential for the cost-effective production of low-carbon hydrogen and its derivatives, and is at a geographic nexus, added Hisham El-Grawany. Our energy transition research shows that the region is set to become a key global supplier in the emerging global hydrogen market, and is expected to be the main exporter of pure hydrogen to Europe.”

The country is well on its way to being a hydrogen powerhouse, as recent announcements by Middle-Eastern and European players have pushed estimated investments past \$100 billion. Some 70% of these investments are linked to projects unveiled following COP 27 last November, when nine major projects were announced – totaling a combined production capacity of 2.1 million tonnes per year (Mt/yr). Egypt is taking serious steps to diversify energy sources as an economic growth strategy. It has some of the region’s largest renewable energy programmes and has brought its target for 42% renewable power forwards to 2030 (5 years earlier than initially planned). Thanks to these investments, the country is emerging as an export hub for low-carbon LNG and green ammonia.

Source : DNV

UMICORE LAUNCHES RESPONSIBLE SOURCING FRAMEWORKS FOR NICKEL AND LITHIUM

Responsible sourcing and supply chain due diligence are an essential part of the Umicore way, the cornerstone of everything we do at Umicore, linked to our values and our commitment to the principles of sustainable development. That’s why we work so hard to ensure that our raw materials, including our battery materials, are responsibly sourced and align with our sustainability ambition for Zero Harm in our operations and value chain.

This month, we’re proud to take another step on this important journey with the introduction of new dedicated Sustainable Procurement Frameworks for Nickel and Lithium.

This exciting development follows the lead of our long-standing Sustainable Procurement Framework for Cobalt. Set up in 2012, along the principles of the OECD Due Diligence Guidance for Responsible Business Conduct and Responsible Mineral Supply Chains, the Cobalt Framework aimed to prevent and mitigate risk in our cobalt supply chain, with a strong focus on human rights violations, child labor and business ethics, linked to the sourcing of cobalt from, among others, the Democratic Republic of Congo (DRC). Since then, we have expanded our Cobalt Framework with a broader ESG focus to include, but not limited to, CO2 emissions, waste, water, health and safety, and community engagement. We report annually on our due diligence practices for sourcing cobalt, through a publicly available compliance report.

Building on this market-leading example, we are now ready to apply the same robust processes to nickel and lithium. Achieving this will be an important proof-point in our 2030 RISE strategy, of which a key pillar is our ambition to be a Sustainability Champion, in our own operations and value chain, as well as supporting our suppliers and customers on their sustainability journey.

Identifying and mitigating risks in ex-

tracting lithium and nickel

Currently, much of the world’s lithium comes from the salt flats of South America, where it is extracted by pumping and evaporating mineral-rich brine. Australia is also one of several countries where Lithium is sourced, and here it is “hard rock” extracted from mines containing the mineral spodumene. Nickel is found in many parts of the world, with Indonesia being a fast-growing exporter. Nickel concentrates are often found in remote forested areas of the country. For both metals – and as with cobalt – there are risks associated with their extraction that we need to identify and manage through our responsible sourcing frameworks. For example, for lithium extracted from brine, we pay particular attention to water use and how this may impact local communities. In the case of lithium from spodumene, one issue of concern, among others, is the CO2 footprint. For nickel mining in Indonesia, we concentrate on the risks associated with deforestation and biodiversity. By working with our suppliers and other stakeholders in all these areas, we aim to mitigate risk as much as possible and work towards truly responsible value chains.

How the process works

Barbara Cooreman, Program Lead for Responsible Sourcing, explains the process for building the Sustainable Procurement Frameworks for Nickel and Lithium: “The first step is to establish supply chain visibility and traceability, to track the materials back to the mines of origin. We then work on risk assessment, building a detailed picture of risks, in the countries of origin and transit, risks related to the specific material itself and risks related to the supplier in question. When risks have been identified, we develop plans together with the supplier to prevent and mitigate them. The final stage is reporting on our actions taken and ensuring that our processes are third-party certified.”

Source : Umicore



ABB India Automates First India-Bangladesh Cross-Border Oil Pipeline

- ABB India has supplied Numaligarh Refinery Ltd with integrated automation and control solutions to monitor and manage a 130 km cross-border oil pipeline between India and Bangladesh
- The project scope includes installing ABB Ability™ SCADA Advantage, Remote Terminal Units (RTU), and a leak detection system
- Centralized monitoring and real-time data access ensures a high degree of safety and efficiency of the pipeline network



will provide real-time data on the performance of the pipeline network by generating reports, history sheets, critical messages, and alarms, all of which will maximise efficiency and safety.

The diesel will be transported from NRL's marketing terminal at Siliguri, to the Bangladesh Petroleum Corporation's oil depot in Parbatipur. Approximately 6 km of the pipeline – which is the first of its type between the two countries – will be within the territory of India, with the remainder within the territory of Bangladesh.

“We are proud to be associated with NRL in this landmark project, which will be critical in ensuring fuel security in Bangladesh. The ABB Ability™ SCADA Advantage system will enable safe and reliable monitoring of the pipeline network, allowing operators to access real-time data and make more informed decisions,” said G Balaji, SVP, Head of Energy Industries, ABB India “The rapid evolution of automation and IT in the

energy industry requires a high level of expertise and resources to manage, maintain, and ensure the security and optimization of oil pipelines and facilities at all times. ABB is committed to meeting these evolving needs.”

ABB Ability™ SCADA Advantage enables the pipeline to operate safely and within its design parameters, reducing the risk of any adverse incidents. It helps in acquiring data from remote locations distributed across different geographies and supports the efficient identification of leakage volume. ABB India has a track record in pipeline automation for cross-country projects, including the Indo-Nepal petroleum pipeline, which was the first of its kind in South Asia when it opened in 2019.

“With ABB's system, we can effectively monitor and optimize our pipeline operations by having access to real-time information, detailed analysis, and timely interventions,” said Rahul Goswami, Chief Manager Projects, Numaligarh Refinery Ltd. “ABB is a reliable partner in the field of automation, and their prior experience with cross-country pipeline projects proved beneficial.”

ABB's Process Automation business is a leader in automation, electrification and digitalization for the process and hybrid industries. We serve our customers with a broad portfolio of products, systems, and end-to-end solutions, including our

ABB India has delivered integrated automation and control solutions to enable the safe, secure, and reliable operation of the 130-kilometer Indo-Bangla Friendship Pipeline (IBFPL), which will carry diesel from India to Bangladesh. The cross-border pipeline was jointly inaugurated by Indian Prime Minister Narendra Modi and Bangladesh Prime Minister Sheikh Hasina on March 18. With a potential capacity of one million metric tonnes per annum (MMTPA), it will enable Bangladesh to access large volumes of energy to meet its growing domestic demand.

ABB Ability™ SCADA Advantage, Remote Terminal Units (RTUs), and leak detection system will allow Numaligarh Refinery Ltd (NRL) to remotely monitor and control vital pipeline parameters such as flow, pressure, and temperature, as well as detect leaks. ABB solutions



1 distributed control system, software, and lifecycle services, industry-specific products as well as measurement and analytics, and marine offerings. As the global #2 in the market, we build on our deep domain expertise, diverse team and global footprint, and are dedicated to helping our customers increase competitiveness, improve their return

on investment and run safe, smart, and sustainable operations. go.abb/processautomation

ABB is a technology leader in electrification and automation, enabling a more sustainable and resource-efficient future. The company's solutions connect engineering know-how and software to

optimize how things are manufactured, moved, powered and operated. Building on more than 130 years of excellence, ABB's ~105,000 employees are committed to driving innovations that accelerate industrial transformation.

Source : Chemical Market

Simplifying Food Safety Easily Find Food Contact Compliant Additives with Clariant's New Offering

- New three-element package to support customers in the coatings sector available
- Interactive tool with product links, selection guide, and food contact reports for selected additives to ease the food contact regulatory process
- Offering demonstrates Clariant's commitment to food contact safety for customers and consumers

MUTTENZ, March 29, 2023 - To help customers fulfill the highest standards of safety and regulatory compliance, as well as ease ingredient selection, Clariant has launched a new package for the coatings sector that assists in the research of additives compliant with the most relevant food contact regulations.

There are three key complementary elements to the new package, ensuring different views and areas of focus, providing a holistic approach with easy access to information in one place. It

includes an interactive selection tool, an overview table, and food contact reports with detailed regulatory information such as Substance Migration Limits (SMLs).

The interactive tool allows customers to select most relevant regulations and find compliant additive products out of the Clariant portfolio. These search results link directly to individual product pages that also give access to food contact reports with comprehensive details on each additive. In addition, a downloadable selection guide is available to offer users a standardized solution where all screened products and regulations are shown in a table format.

"Safety and regulatory compliance are important criteria when you choose ingredients and at Clariant we want to give you the confidence to select our prod-

ucts when it comes to food contact applications," said Sebastian Prock, Clariant's Head of Global Marketing Industrial Applications. "Thanks to our new interactive selection tool and the three complementary elements of our package, customers have easy access to our product portfolio fulfilling regulatory needs," he continued.

Discover the interactive tool and full package online now. To learn more about the package as well as Clariant's broader food contact offerings, customers can also meet Clariant's experts at the European Coatings Show in Nuremberg March 28-30th.

Source : Chemical Market

Chemical Sector in India is Set to Grow to Dollar 250 Billion by 2040 Shri Arun Baroka

Integrating the country into global supply chain with strong enablers like PCPIR and strong government policies is likely to propel the sector forward...

NEW DELHI, 24TH March 2023: Chemical including the petrochemical industry makes an important factor in India's growth story as the

government is committed to provide a conducive environment for sustainability, safety, and growth, stated Shri. Arun Baroka, IAS, Secretary, Department of



Chemicals & Petrochemicals, Ministry of Chemical & Fertilizers, Government of India, at India's Specialty Chemicals Conclave - "Making India Self Reliant & Local to Global." The conclave was organised by the Associated Chambers of Commerce & Industry of India (ASSOCHAM) to deliberate on key topics such as Import substitution, Academia & Industry Collaborations, Expanding Exports, and Integrating India into the global supply chain.

"The department of chemical and petrochemical is collaborating and creating an interface with various other departments of the government, particularly the Ministry of Environment, Ministry of Agriculture, Ministry of Consumer Affairs, Minister of Commerce, and the Ministry of Labour to build the communication path that will help in resolving short term and long-term issues," said Shri Baroka.

The Secretary also stated that the country is perched with strong enablers such as PCPIR and other policy support from the government enabled with ease of doing business (EoDB), feedstock secu-

urity, and support of PLI scheme to various companies to achieve the growth target. He added that while India is a net importer of petrochemical intermediates and bulk chemicals, India is a net exporter of a diverse range of speciality chemicals globally.

"The growth rate of speciality chemical sector is much more than the GDP growth rate of the normal chemical sector. The growth rate, if we continue to do well can actually go up. I'm quite confident that from the existing number of about \$30 billion, I think it should be touching, not less than \$200 to 250 billion by 2040," he quipped.

Mr. Sagar Kaushik, Chairman, ASSOCHAM National Council on Chemicals & Petrochemicals & President Global Corporate & Industry Affairs, UPL in his welcome address said "India's chemical industry should focus on the strategy of China plus 1 as the expectation from global customers is different from India than what they expect from China." There should be a deeper collaboration of science and tech in the field and a shift towards sustainable value is extremely important, he added.

Mr. Nilesh A Kulkarni, Co-Chairman, ASSOCHAM National Council on Chemicals & Petrochemicals & Direc-

tor - Commercial, Gharda Chemicals Ltd stated that "there is a strong need to boost domestic production and bridge the gap between import and exports. Industry-Academia interface is required to improve the sector." To strengthen Indian Specialty chemicals, he also concentrated on leveraging new trends, infrastructure, skill set requirements, and collaboration.

Mr. Susanta Kumar Purohit, Joint Secretary (Chemicals), DCPC shared India is



poised to emerge as a global chemical and petrochemical manufacturing hub. "The Government of India has launched various flagship programmes such as Make in India and PLI.

India should expand its global market in R&D competence, production capabilities, and sustainability with the Triple Helix model," he stressed.

The conclave also included key speakers Dr. Sangeeta Srivastava, Executive Director, Godavari Biorefineries Ltd and Prof. Aniruddha B. Pandit, Vice-Chancellor, Institute of Chemical Technology (ICT, Mumbai) who deliberated on building relationship between industry and academia.

Source : Chemical Market

Powerful Natural and Responsibly Sourced in the Amazon Clariants Beracare™ CBA

- Active ingredient soothes sensitive skin, reducing redness and irritation
- Beracare CBA is a complex blend of two powerful oils that helps increase the production of β -endorphin

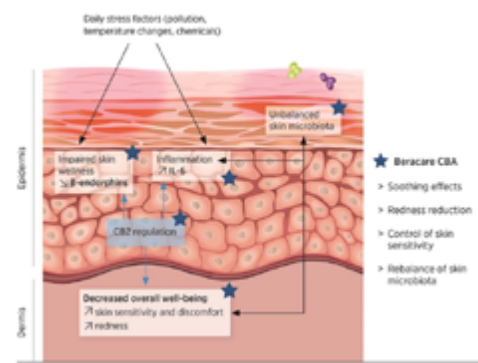
A natural alternative to Cannabidiol ("CBD")

MUTTENZ, March 21, 2023 - As we count down to in-cosmetics Global 2023 in Barcelona, Clariant has

unveiled its exciting active ingredient Beracare CBA, a complex blend of Amazon oils in which copaiba oil's tremendous potential is boosted by passion fruit oil, both of which we are able to harvest sustainably.



Beracare CBA offers a natural alternative to cannabidiol to soothe sensitive skin, suffered by around 50% of women and 40% of men. Caused by external stress factors or physiological stress, sensitive skin mainly manifests itself in unpleasant sensations such as stinging, burning or tingling, which can also be accompanied by redness.



This active provides a CBD-like effect by targeting the skin's endocannabinoid system, activating the CB2 re-

ceptors. This helps increase the production of β -endorphin, creating a superior soothing effect compared to CBD. New data enrich previous studies and show that Beracare CBA effectively reduces skin

sensitivity by 61% after 7 days and 71% after 28 days, decreasing redness and irritation.

“With their recognized potential for promoting overall skin wellness, products using cannabidiol are attracting increased attention. Yet, CBD faces regulatory concerns in many countries. With Beracare CBA, Clariant is offering a powerful, natural alternative without the regulatory challenges,” said Julie Droux, Global Technical Marketing Manager for Actives and Natural Origins.

We are able to obtain Beracare CBA's raw materials from renewable resources in the Amazon. The copaiba oil comes from tree resin that can be sustainably extracted to preserve the tree. The passion fruit vines can be cultivated with responsible techniques to conserve the environment

Source : Chemical Market

First 3D Measurement Study to Improve Garment Sizing for Children

BÖNNIGHEIM (aba) Garment fitting pioneer Hohenstein has conducted the first ever measurement series on babies and toddlers. The data will aid the pattern development and fit assessment that is particularly challenging for children's clothing. The new database will help brands and manufacturers design their children's clothing in an accurate, efficient and more sustainable way using fit testing and pattern optimisation.



body measurements for all target groups since 1957. Based on regular serial measurements taken with

3D body scans over 20 years, data is continuously updated. With the

measurement of toddlers

and babies, Hohenstein is now closing a large gap in the German market for the first time. 5626 girls and boys in sizes 56 to 182 were measured. This means that 3D scans of infants are available for the first time. The 3D body data form an indispensable basis for customer-specific measurement tables, child-friendly patterns and gradings, optimal fits as well as 3D children's avatars for the simulation of clothing.

Hohenstein has been taking

Source : Chemical Market



SONGWON Showcases its Coatings Strength with New Product Releases at The European Coatings Show

Ulsan, South Korea – March 28, 2023 – SONGWON Industrial Group (www.songwon.com), the 2nd largest manufacturer of polymer stabilizers in the world and global specialty chemicals player, continues to demonstrate its firm commitment to the coatings industry with the expansion of its comprehensive portfolio of high-performance coatings products and blends.

To meet the ever-increasing market demands for long-lasting coatings solutions that enhance performance and counter the harmful effects of light and heat on surfaces, coatings, adhesives and sealants, SONGWON continues to leverage its industry experience and the expertise of its Technology Innovation Center.

At the European Coatings Show (ECS) 2023, taking place from March 28th to 30th in Nuremberg, Germany, SONGWON will be launching the newest additions to its growing portfolio. Its new liquid UV absorber, SONGSORB® CS 171 is manufactured in SONGWON's dedicated state-of-the-art facility, Suwon in South Korea. It brings the advantage of being easily incorporated and can improve the stability of coatings and adhesive systems over time leading to higher performance. SONGSORB® CS 171 can be used on its own or in blends such as SONGSORB® CS B 5075.

SONGWON will also be launching its 2 newest blends, SONGSORB® CS B 5438 and SONGSORB® CS B 5452 for easy processing, a new stabilizer package for epoxy systems as well as a new solid triazine UV absorber. Developed especially for 2K PU clear coatings, SONGWON's latest liquid blends are also suitable for use in water-based coatings systems. Both blends are characterized by their low initial color and excellent

long-term protection. Compared to the benchmark used in the industry, the blends require fewer critical product labels because they use less hazardous formulation materials which also improves occupational safety.

To support demanding application areas that need epoxy systems, SONGWON is launching a new pre-blended, all-in-one liquid package used for general and for white/bright pigmented epoxy systems. The most recent addition to SONGWON's existing portfolio of synergistic systems, SONGSORB® CS B 5459 offers highly convenient processing and use, and also boosts the performance of the current systems. In addition to this, the release of its newest solid triazine, SONGSORB® CS 1164, specially developed for coatings applications such as powder and liquid as well as adhesives and sealants, underpins SONGWON's focus on high-performance UV systems.

SONGWON is committed to providing its technical expertise and ensuring high-quality standards to its customers and partners accompanied by best-in-class service and supply reliability. In keeping with this, at the ECS, SONGWON will also be showcasing its strong coatings production cooperation with Sabo S.p.A. (www.sabo.com) – a world leader in the development and manufacturing of hindered amine light stabilizers (HALS). In addition to the most recent liquid HALS developments, SONGSORB® CS AQ01 creates more sustainable and environmentally friendly formulations and was developed especially for water-based coatings. When used alone or in combination with UV absorbers, it significantly extends coating lifetimes by preventing defects such as cracking and loss of gloss in outdoor exposure. The two companies are also

further cooperating in the field of anti-static additives for use in coatings, adhesives and sealants applications.

“Our world-class manufacturing plants in key regions, strong R&D capabilities, a team up-to-speed with market demands and trends as well as our global sales and distributor network, enable SONGWON to deliver solutions tailored to meet the unique needs of the coatings industry,”
says Rosanna Telesca, Leader Business Unit Coatings.
“Together with our Business Unit Tin and PVC Additives colleagues, we are looking forward to participating in the ECS with our growing product portfolio and look forward to introducing our newest innovations to customers and partners while highlighting SONGWON’s development and formulation capabilities.”

SONGWON's experts will be in Hall 3C, Booth 226 at the European Coatings Show 2023 from March 28th to 30th in Nuremberg, Germany and look forward to providing more information.

Source : Press Release



3D Systems Selects 6K Additive as the Supplier for Tungsten Powder for its DMP Printers

PITTSBURGH, Pa., March 20, 2023 /PRNewswire/ -- 6K Additive announced today that they have entered into an agreement with 3D Systems to become their preferred supplier of tungsten powder for their DMP metal 3D printing solutions. 6K Additive, a division of 6K, a leader in the sustainable production of engineered materials for additive manufacturing and lithium-ion batteries can produce refractory metal powders using their innovative UniMelt microwave plasma process.

Frank Roberts, president of 6K Additive commented, "3D Systems has a proven, high-quality solution with their line of DMP printers. This agreement provides their customers with a high-quality material that

will meet the demanding requirements for tungsten powder where high temperature and high strength properties are needed in applications such as medical, defense, hypersonic and other rocket parts."

Last year 6K Additive announced the ability to produce a full range of refractory materials that have historically not been available in production because of the difficulty to process these materials into powder simply due to their high melting temperatures. The uniqueness and control of 6K's UniMelt® microwave plasma process, combined with the deep knowledge and expertise of 6K Additive's team, allows the company to manufacture production scale volumes for many of the refractory powders like

tungsten and other refractory materials such as rhenium, tantalum, niobium and molybdenum.

6K Additive is the world's first producer of AM powder made from sustainable sources and offers a full suite of premium powder including nickel, titanium, copper, stainless steel, aluminum alloys and refractory metals such as tungsten and rhenium. The proprietary UniMelt system is the world's only microwave production-scale plasma system, with a highly uniform and precise plasma zone with zero contamination and high throughput production capabilities. The UniMelt process produces powders that are truly spherical, void of porosity and satellites with better flowability than other processes. Companies interested in working with 6K Additive regarding their specific powder requirements are urged to visit 6K Additive's website 6KAdditive.com

Source : PRNewswire

Chinaplas 2023: Tailored Ultramid® Advanced N for IGBT Semi-Conductors to Enable High-Performance Power Electronics

- PPA BASF PPA combines outstanding thermal stability with low water uptake, excellent insulation properties and high CTI
- For energy-efficient and reliable power management in electrical components for e-mobility, renewable energy production and smart manufacturing
- BASF at CHINAPLAS 2023: hall 17, booth no. 17F71; Shenzhen World Exhibition & Convention Center,

China

To enable smart technology and miniaturization in power electronics, BASF is now offering a polyphthalamide (PPA) that is especially suited for manufacturing housings of IGBT (insulated-gate bipolar transistor) semi-conductors. The laser sensitive Ultramid® Advanced N3U41 G6 LS, a flame retardant, non-halogenated compound, combines high thermal stability with low water uptake and excellent electrical properties. It is characterized by a

high CTI (CTI=Comparative Tracking Index) of >600V, which supports miniaturization of IGBTs by lower creepage distance and better insulation than materials so far used for these power switches.

Due to its outstanding chemical resistance and dimensional stability, the Ultramid® Advanced N grade enhances the robustness, long-term performance and reliability of IGBTs in electric vehicles, high-speed railways, solar and wind energy as well as smart manufacturing. It



meets growing customer needs for energy saving, weight reduction and application downsizing.

An IGBT functions as a fast and efficient switch in high-power electrical circuits. IGBTs can be assembled as modules, enabling electrical applications which are characterized by an increase in voltage and current while becoming more compact. To work in these challenging con-

ditions, materials must possess superior electrical insulation, robust flame retardancy, exact dimensional stability and long-term durability against heat and moisture: Ultramid® Advanced N is ideally suited to meet these challenges as it is optimized to withstand increasing temperatures and higher currents while maintaining its mechanical strength. It protects the

semi-conductors against mechanical and environmental stress like humidity, dust and dirt.

The UL-certified grade shows an excellent electrical RTI (Relative Thermal Index) value of 150°C. Additionally, it does not contain corrosive ingredients like halogens and so helps to avoid the risk for contact corrosion. As far as manufacturing of IGBTs is concerned, the BASF PPA is compatible with potting materials used to assemble the semi-conductors after injection molding with metal pins and clamps.

Source : BASF

Dow Personal Care Accelerates Sustainable Portfolio Transformation with Six New Product Launches at In-Cosmetics Global 2023

MIDLAND, Mich. – March 28, 2023 – Dow (NYSE: Dow) will present its latest innovative ingredients at in-cosmetics Global 2023 in Barcelona, Spain, from March 28-30 (booth N90). The new product launches, including the debut of the ECOllaboration 2.0 Concepts Collection, celebrate one of the largest portfolios in the personal care industry that focuses sustainable and high performance solutions.

This year, Dow will go beyond the traditional trade show experience. During a live formulation masterclass on March 29 at 12:30 p.m. in Lab 2, customers can collaborate with Dow scientists to learn how to create an innovative cream gel using bio-based ingredients, Maize-Care™ Clarity Polymer and EcoSmooth™ Rice Husk Cosmetic Powder. The formulation will provide skin illumination while keeping your natural skin tone. Its experts will guide visitors through the formulation process, share their exper-

tise, give hands-on tips, and showcase sustainable formulation practices.

“We continue to expand our offering with new highly performing bio-derived and bio-degradable ingredients. In this way, brands can deliver their promise to consumers to delight them with formulations that are gentle on the skin, hair and the environment. With our six new launches, we are further strengthening our promise to accelerate the transition towards a low-carbon, circular economy.” said Isabel Almiro do

Vale, Global Strategic Market Director of Dow Personal Care. “As we continue to expand and broaden our portfolio, we rely on our deep scientific expertise, marketeers, and trusted partnership teams to cater to the various demands of customers. We remain devoted to sustainability and inclusion providing ingredients customers can trust, and believe in.”

The latest product launches span across a range of beauty care applications, including skin care, hair care, sun care and color cosmetics. The ECOllaboration 2.0 Concepts Collection empha-

sizes Dow's commitment to delivering cutting-edge, bio-based ingredients that feature pioneering formats and inspiring formulations. With a natural origin content of 90% and above, these products are crafted with a distinct emphasis on diversity & inclusion. The collection embraces ageless, gender-neutral products, while focusing on beauty accessibility.

Dow's new launches and featured products include:

EcoSense™ APP-5000 Formulation Aid: This emulsifier is bio-based and requires a lower use level than the existing emulsifiers in the market. It supports consumer demand for natural formulations, 100% renewable material and upcycling. It can be used in a variety of skin care, body care, hair care and solid deodorant products. This product will be featured

at the show's Innovation Zone.

EcoSense™ APP-1000 Surfactant: Nature-derived surfactant that offers effective cleansing properties with excellent foam profile and improved foam stability. Applications include rinse-off hair care, delivering long-lasting color protection, as well as face wash and body wash.

- **EcoSense™ GL-60 HL Surfactant and EcoSense™ GL-60 HA Surfactant:** These two sophorolipid bio-surfactants create highly desirable mild cleansing products for shampoo, face wash, body wash and leave-on products like body lotion. These products will be featured at the show's Sus-

tainability Corner.

- **DEXCARE™ CD-1 Polymer:** A new, 2023 BIG™ Innovation Award winning bio-derived deposition aid to boost the shampoo's conditioning effectiveness, allowing for increased versatility and improving the natural content of formulations. This product will be showcased at the show's Innovation Zone.
- **DOWSIL™ EL-9341 Silicone Elastomer Blend:** A new, low-cyclics silicone elastomer gel that provides a silky, smooth feel and optical benefits.

Source : Dow

Saudi Aramco and Linde Engineering to Develop Ammonia Cracking Technology

Dhahran, Saudi Arabia, and Pullach, Germany, March 15, 2023 – Aramco, one of the world's leading integrated energy and chemicals companies, and Linde Engineering, a global leader in the production and processing of gases, announced that they have signed an agreement to jointly develop a new ammonia cracking technology. The collaboration between the two companies will combine Linde Engineering and Aramco's experience and capabilities in industrial research and development, lower-carbon hydrogen, and ammonia cracking technology.

A potential differentiator of this new technology is the ammonia cracking catalyst, jointly developed by Aramco and the King Abdullah University of Science and Technology (KAUST), which will be evaluated against other catalysts.

Through this agreement, Aramco and Linde Engineering plan to build a

demonstration plant in northern Germany to showcase this new ammonia cracking technology. Linde Engineering intends to offer this ammonia cracking technology to current and new customers, creating new commercial opportunities within the global lower-carbon energy supply chain. The emerging lower-carbon ammonia business may prove to be key in bridging the gap between a country's domestic renewable energy production capacity and total energy demand.

Ahmad Al-Khowaiter, Senior Vice President and Chief Technology Officer at Aramco, said: "This agreement is part of our ongoing technology and business development efforts to establish a commercially viable lower-carbon hydrogen supply chain. We believe the advanced ammonia cracking technology we are co-developing with Linde Engineering will play a key role in realizing our objectives."

John van der Velden, Senior Vice President Global Sales & Technology at Linde Engineering, said: "Effective ammonia cracking technology supports the world's urgent need for decarbonization. By completing the missing link in the export chain, cleaner energy can be shipped from regions with high renewable and clean energy potential to those with more limited resources. We look forward to working closely with Aramco to develop and commercialize this important technology, creating new business opportunities for Linde Engineering and Aramco."

Source : Linde Engineering



Yara and Enbridge to Develop and Construct a Low-Carbon Blue Ammonia Project at Enbridge Ingleside Energy Center



OSLO, NO – HOUSTON, TX – March 31, 2023 – Yara Clean Ammonia (Yara), a Yara International ASA company, and Enbridge Inc. (Enbridge) (TSX: ENB) (NYSE: ENB), are pleased to announce the signing of a letter of intent to jointly develop and construct a world scale low-carbon blue ammonia production facility as equal partners. The proposed facility, which includes autothermal reforming with carbon capture, will be located at the Enbridge Ingleside Energy Center (EIEC) near Corpus Christi, Texas.

Once operational, the production facility will be capable of supplying low-carbon ammonia to meet growing global demand, with an expected capacity of 1.2–1.4 million tons per annum. Approximately 95 percent of the carbon dioxide (CO₂) generated from the production process is anticipated to be captured and transported to nearby permanent geologic storage. If confirmed through the Front-end Engineering Design (FEED) phase and approved, total project investment is expected in the range of US\$2.6–US\$2.9 billion, with production start-up in 2027/2028.

Enbridge and Yara will utilize their complementary strengths to develop and execute the project. Yara's industry-leading experience in ammonia development, production, operations and distribution, combined with Enbridge's large-scale infrastructure development

expertise and world-class EIEC deep water docks and export platform, will be critical to advancing the project from development through to commercial operation. In addition, Yara, the world's largest ammonia distributor, is expected to contract full offtake from the facility, which further enhances the strategic value and commercial viability of the project.

Enbridge's Texas Eastern Transmission Pipeline is expected to provide the transportation service for feed gas that will be used for the production process, and Enbridge, along with Oxy Low Carbon Ventures, is advancing a nearby CO₂ sequestration hub which is a potential destination for the project's captured CO₂.

The construction of any facilities will be subject to receipt of all necessary regulatory approvals.

"Yara is pleased to be joining Enbridge in developing this significant clean ammonia project. As presented at our Capital Markets Day, we are working systematically to develop project opportunities in the U.S. and this project will significantly contribute to our strategy of decarbonizing agriculture as well as serving new clean ammonia segments such as shipping fuel, power production and ammonia as a hydrogen carrier," said Magnus Krogh Ankarstrand, President of Yara Clean Ammonia.

Colin Gruending, Enbridge Executive Vice President and President, Liquids Pipelines said,

"We are excited to partner with Yara and collaborate on this clean energy project, especially given their expertise in global ammonia projects, operations and distribution, EIEC is well positioned to become the most sustainable export terminal in North America through low-carbon fuel production, carbon capture and solar self-power."

Source :Yara International

Umicore Steps Up Solid-State Battery Technology Development with Investment in Blue Current

Umicore and Blue Current, a leading manufacturer of silicon elastic composite solid-state batteries, have agreed to strengthen their collaboration on the development of solid-state battery technology, with Umicore investing a minority stake in the U.S.-based start-up. This investment complements the joint development agreement (JDA) whereby both parties were able to integrate Umicore's battery materials in Blue Current's solid-state battery technology. By providing capital - in addition to supplying state-of-the-art battery materials under the JDA - Umicore intends to work with Blue Current to drive market adoption of the company's unique silicon elastic composite battery towards mid-decade.

Blue Current is a chemistry-led technology company focused on delivering on the promise of solid-state batteries for automotive and non-automotive markets where safety, energy density and performance are most critical. The company has its origins at Lawrence Berkeley and Argonne National Laboratories, UC Berkeley and the University of North Carolina. Blue Current has been working exclusively in the area of silicon anodes with completely dry composite electrolytes since 2018, and it has extensive intellectual property in this area.

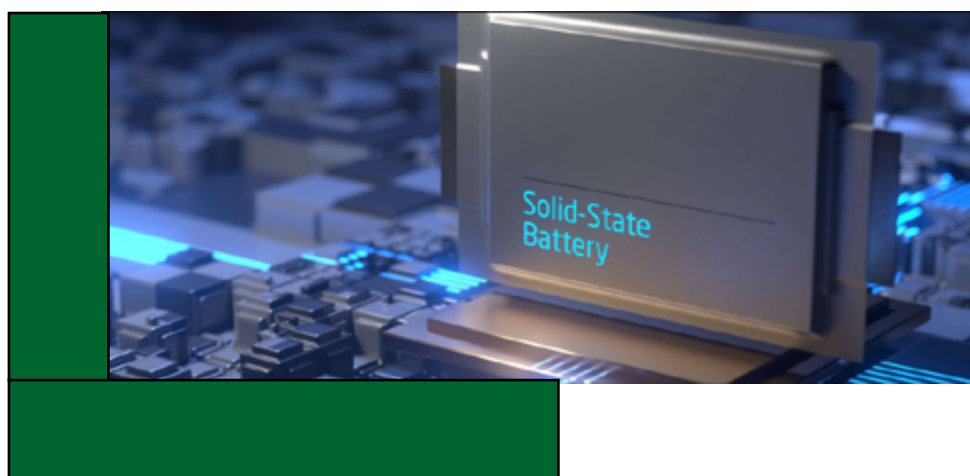
"Umicore is looking forward to taking the next step in our collaboration with Blue Current on solid-state battery technologies and build on the first promising outcome during a year of joint research," said Stéphane Levasseur, Senior Innovation Director New Business Incubation at Umicore. "Such agreements complement other research efforts in the battery materials ecosystem and across the value chain – from R&D to our end-customers – reinforcing our lead in current and future battery materials technologies to best serve an industry that is transforming at an unseen speed."

"Blue Current is excited to expand our joint development with Umicore through this investment," said Kevin Wujcik, Chief Technology Officer at Blue Current. "Over the last year we've been working together to validate the compatibility of our respective solid-state battery technologies and have made great progress. The commercial success of solid-state batteries will require active materials and solid electrolytes that are specifically designed to work together. This partnership is critical to the development of such next generation materials."

"The promise of solid electrolytes is to enable electrodes that cannot cycle in liquid electrolytes", said Nitash Balsara, cofounder of Blue Current, Senior Faculty Scientist at Lawrence Berkeley National Lab, and Professor of Electrochemistry in the Department of Chemical and Biomolecular Engineering at the University of California. "In particular the use of a composite solid electrolyte to enable silicon cycling is compelling given the high capacity of this material."

Solid-state batteries will have a number of benefits compared to current lithium-ion battery technologies with liquid electrolytes. Their composite electrolytes and silicon anodes allow for electric vehicle (EV) designers to create smaller, lighter, and lower-cost battery packs with greater safety at the cell level and higher energy density at the cell and system level. This also increases the driving range of EVs and speeds up charging, which are critical benefits for end-customers.

Umicore's roadmap for rechargeable battery materials spans short-, mid- and long-term research horizons for cathode and silicon-based anodes, including those used in solid-state technologies. In parallel with its own research and in-



house work, Umicore develops technologies with third parties, like start-ups and scale-ups, as well as academic organizations.

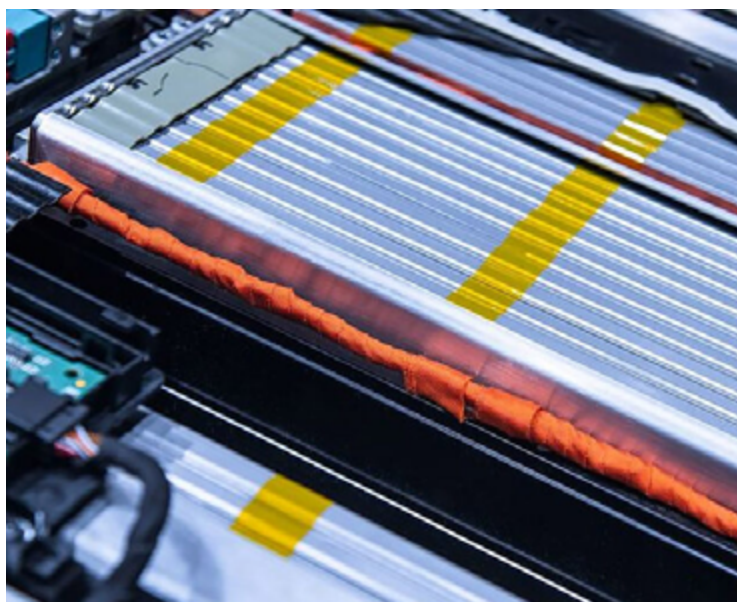
As a circular materials technology company, innovation is at the core of Umicore's success. The Group is in a leading position in the development of cathode active materials, anodes and catholytes for solid-state batteries, which is reflected by numerous agreements in place with several partners (OEMs, start-ups and the academic sector). In 2021 already, Umicore announced that it holds a stake in Solid Power, a Colorado-based industry-leading developer of next-generation all-solid-state batteries for electric vehicles. In June 2022, Umicore and Idemitsu Kosan Co., Ltd also agreed to jointly develop high-performance catholyte materials for solid-state batteries, combining their respective expertise in cathode active materials and solid electrolytes, with the aim to provide the technological breakthrough to extend the driving range and thereby propel the movement towards greater e-mobility.

Source : Umicore

Solvay Introduces New Polymer for High-Heat EV Battery Module Insulation

Solvay, a global market leader in specialty materials, has announced the introduction of a new high-heat and flame retardant grade in the company's Xydar® liquid crystal polymers (LCP) portfolio, which is designed to meet critical safety demands in EV battery components. The new Xydar® LCP G-330 HH material addresses challenging thermal and insulation requirements and is targeted particularly at battery module plates of EV models operating with higher voltage systems.

"As automakers are moving from 400V to 800V on next-generation electric vehicles, new regulations in Europe, China, the United States and other countries are increasing the demand on battery components to withstand temperatures from 300°C to 1000°C for an extended window of up to 15 minutes," states Brian Baleno, Head of Marketing, Transportation at Solvay Materials. "Appropriate materials are expected to retain a level of electrical insulation protection that will provide sufficient time for passengers to exit the vehicle in a thermal runaway event. Our new Xydar® LCP grade combines this high safety potential with exceptional processability."



Xydar® LCP G-330 HH is a glass-filled LCP for injection molding capable of retaining its electrical insulation upon exposure to 400°C for 30 minutes. Xydar® LCP is an inherently flame retardant

polymer, without the use of halogen or bromine additives. In addition, it offers exceptional flowability and helps battery designers achieve thinner parts than possible with incumbent battery module insulation materials, such as polycarbonates or aerogels. It has been successfully tested with plates molded in typical dimensions of 100 x 150 x 0.5 mm.

Xydar® LCP has a proven fit in many electrical and electronic as well as coating applications. Besides automotive lighting components, sensors, solenoids and connectors, advanced examples in e-mobility include thin-wall slot liners used in the rotor design of an electric drive traction motor.

Xydar® LCP G-330 HH extends the portfolio of Solvay's battery solutions, which also includes Solef® PVDF for binders and separators, Ryton® PPS for coolant line connectors and vents, and Amodel® PPA for connectors and busbars.

You can learn more about Solvay's new product developments and the company's initiatives by visiting Booth 17P61 at Chinaplas from April 17 - 20 in Shenzhen, China.

Source : Solvay



EVENTS AND CONFERENCES

CPHI CHINA - VIRTUAL CPHI

Date: JUNE 19-21, 2023

City: Shanghai New International Expo Center

Country: China

Website: <https://www.cphi.com/china/en/about.html>

Description: CPHI organizes the most important and widespread series of global pharmaceutical events. Our gatherings are both renowned and revered—but it didn't start in North America. With massive events throughout Asia, South America, Europe, and beyond...more than 500,000 powerful and respected pharma players from every aspect of the supply chain understand that CPHI is where they connect to learn, grow, and conduct business. With a 30-year tradition and an infrastructure fine-tuned to unite buyers, sellers, and industry trailblazers, we expanded this iconic worldwide events portfolio into the most progressive mega market on earth. Enter CPHI China.

EXPO PAINT & COATINGS

Date: July 13-15, 2023

City: Pragati Maidan, New Delhi

Country: India

Website: <https://expopaintcoating.in/>

Description: Expo Paint & Coatings - 2023 is a comprehensive Paint & Coatings Exhibition providing platform to the needs of every facade of the coating industry right from raw materials, formulation, application, technology, finishing, quality assurance, recycling and disposal. The Exhibition will feature a wide range display of products, Raw Materials, Application systems, Machines, Tools, current trends, development & innovations shaping future of coating industry.

Expo Paint & Coatings - 2023 will bring together leading local and international manufacturers, formulators, buyers, industry professionals, consultants, enthusiasts and prospective entrants from the Paint & Coatings, surface finishing & allied industry presenting unrivaled opportunities to network, exchange best practices, do business, unveil new products and source cutting-edge products, technologies and solutions.

CPHI NORTH AMERICA

Date: Apr 25-27, 2023

City: Pennsylvania Convention Center, Philadelphia

Country: Philadelphia

Website: <https://www.cphi.com/northamerica/en/about.html>

Description: CPHI organizes the most important and widespread series of global pharmaceutical events. Our gatherings are both renowned and revered—but it didn't start in North America. With massive events throughout Asia, South America, Europe, and beyond...more than 500,000 powerful and respected pharma players from every aspect of the supply chain understand that CPHI is where they connect to learn, grow, and conduct business. With a 30-year tradition and an infrastructure fine-tuned to unite buyers, sellers, and industry trailblazers, we expanded this iconic worldwide events portfolio into the most progressive mega market on earth. Enter CPHI North America.



EVENTS AND CONFERENCES

It's true, the U.S. alone accounts for 40% of the world's pharmaceutical sales and is home to 6 of the top 11 companies. But much more than that, this is a place of community-building connections. A forum for thought leadership. The hub of innovation. And it all comes to life at CPHI North America.

CHEMSPEC EUROPE

Date: May 24 -25, 2023

City: Messe Basel, Switzerland

Country: Europe

Website: <https://www.chemspeceurope.com/>

Description: With a highly specialised profile, Chemspec Europe is a key event for the fine and speciality chemicals industry. The exhibition is the place to be for purchasers and agents to meet with manufacturers, suppliers and distributors of fine and speciality chemicals to source specific solutions and bespoke products. Chemspec Europe is a powerful gateway to global business and industry knowledge, making the event appealing to its international audience. The exhibition features the full spectrum of fine and speciality chemicals for various applications and industries. Additionally, a wide range of free conferences provides excellent opportunities to network with industry colleagues and exchange competencies on the latest market trends, technical innovations, business opportunities, and regulatory issues in an evolving market.

CPHI JAPAN

Date: Apr 19-21, 2023

City: Tokyo Big Sight, Tokyo

Country: JAPAN

Website: <https://www.cphi.com/japan/en/home.html>

Description: India's pharma industry is recognized by its high quality, accessible and cost-effective solutions. The event is known to provide a time efficient and educational environment for buyers and sellers within the Indian pharma ingredients and machinery industry. At CPHI & PMEC India, you will meet the movers and shakers from India's pharma machinery, technology and ingredients industries, giving you a competitive advantage that will help grow your business.

CHEM UK EXPO

Date: MAY 10 - 11, 2023

City: NEC, Birmingham, UK

Country: UK

Website: <https://www.chemicalukexpo.com/>

Description: CHEMUK 2023 will return on the 10th & 11th May 2023 running in Hall 1 at the NEC, Birmingham. The expo will present 400+ specialist exhibitors and 150+ expert speakers split between three major show zones:

- **Chemical Industries Supply Chain**
- **Chemical, Process & Plant Engineering**
- **NEW FOR 2023: CHEMLAB**



Arkema To Showcase Its Innovations At In-Cosmetics Show

Arkema will exhibit its most recent developments at In-Cosmetics show in Barcelona, from March 28 to 30. Arkema offers a portfolio of first-class ingredients and technologies, addressing the more sustainable customer requirements in personal care, skin care, nail care and hair care.

Among its product, Arkema will present:

Orgasol® Cosmetic powders

Pioneer in the field of sensorial powders, Orgasol® Cosmetics powder is revolutionizing the art of formulations to transform consumer experiences in personal care. The Orgasol® product signature touch is predominantly velvety and delicately creamy. With Orgasol® Cosmetics in the formulation you will experience the added benefits of sebum absorption, optical blurring, matte finish, and long-lasting wear while reaching unexpected textures and intense colors. We will showcase new makeup and skincare formulations on the makeup bar.

Oleris® Advanced Bio-Materials

Oleris® Advanced Bio-Material represents unique building blocks processed only from vegetable and renewable castor oil. The high purity and 100% linearity of Oleris® Advanced Bio-Materials are key elements for the synthesis of vegetable-based & natural cosmetic ingredients, with advanced properties like high spreadability and polarity, and with natural antimicrobial and cleansing emulsifying functions.

Sartomer® Materials

Sartomer® product line comprises specialty acrylate and methacrylate monomers, oligomers and photoinitiators that enable our customers to meet their goals in innovation and sustainability. We propose, for nail care, non-skin sensitizing labelled liquid resin solutions to be used in base, color and top coats, UV/LED gel polish and builder gel formulations with superior performance to achieve long lasting, easy removal and good wear.

ThioGlycolic Acid

Also called Mercaptoacetic acid, Thioglycolic Acid is a high-performance chemical containing mercaptan and carboxylic acid functionalities, completely miscible in water and in general polar organic solvents. The salts of Thioglycolic Acid along with some of its esters are used in the formulation of perms and for the preparation of depilatory creams. TGA is the most powerful reducing agent and the best-tolerated mercaptans by human skin.



Rheostyl™ product line

Water borne polymers to develop sun-care, skin care, coloured cosmetics and hygiene formulas with unique textures. Rheostyl™ E polymeric emulsifiers bring specifically a unique solution for “clean beauty”, allowing the design

of minimalist formulas thanks to the unique properties including water resistance. They allow flexible and performing formulation without the need for heating or high shear - thus limiting energy consumption. Furthermore, with a new mass balance offer, Arkema can propose polymers with bio-at-

tributed origin, allowing a reduction of the carbon footprint of cosmetic formulations. This mass balance approach is a drop-in solution without performance compromise.

Source : Arkema

Clariant Additives Add Up To A Better Future For Plastic At Chinaplas 2023 Exhibition

- AddWorks® PKG 158 range of additives bring new dimension on safety and performance for polyolefin-based packaging
- Better value and lower carbon footprint in processing achieved with high-performing wax additives Licocare® Vita/Licocene® Terra
- Durability and functionality gets a boost from Exolit® OP 1400 flame retardant and AddWorks PKG 906 Circle & AGC 970 G stabilizers

SHANGHAI, April 6, 2023 - In the upcoming Chinaplas 2023 exhibition to be held in Shenzhen, China on 17-20 April 2023, Clariant will present how its versatile additive solutions are adding extra values and new dimensions for the future of the plastic industry. Highlighted in the Clariant booth will be the new AddWorks PKG 158 that offers huge performance enhancement on packaging, in addition to the AddWorks PKG 906 Circle and AddWorks AGC 970 G stabilizers that are valuable in plastic film recycling and extending its service life. Also in the spotlight will be the highly functional Exolit OP 1400 flame retardant that facilitates mechanical recycling. The high-performing wax additives of Licocare Vita / Licocene Terra, and the sustainability-focused Licocare RBW Vita are the other highlights in the show.

Clariant's wide range of additives boast

a broad spectrum of functionality and safety features that add values to plastics in multiple ways for many different industries such as packaging, electronics, agriculture and E-Mobility. As consumer demands from within China and overseas continue to rise after the pandemic, Clariant's additive solutions will help these segments tap into the new opportunities more quickly and effectively.

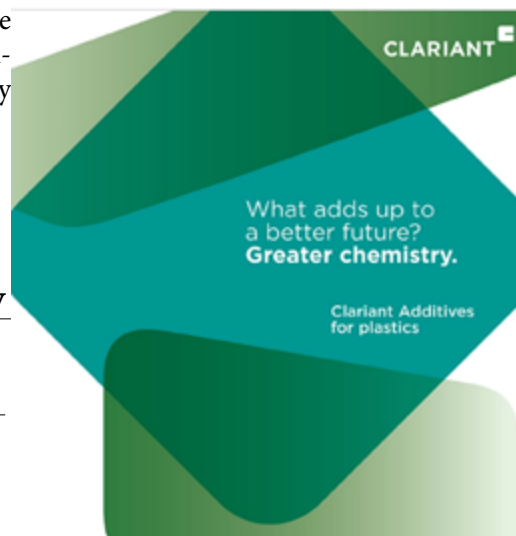
“Versatility and safety hold the key for success in plastic as a key material in the fast-expanding E-Mobility and electronics industries where the industry requirements get more sophisticated by the day. Our wide range of AddWorks additives and Exolit flame retardants are therefore indispensable in helping our customers satisfy the new demands in

our value chain,” says Jo-chen Ahrens, Global Vice President, E-Mobility & Electronics, Clariant BU Adsorbents & Additives. “With our new state-of-the-

art facilities for Exolit OP halogen-free flame retardants in Daya Bay of China coming into operation later this year, I’m confident that our strong local manu-

facturing facilities, and the development capabilities at our One Clariant Campus laboratories in Shanghai will help us respond faster to customers’ needs, as we work more closely together.”

Clariant's patent-protected Exolit OP 1400 flame retardant's high effectiveness



Booking price as on 04/04/2023

Current Exchange rate-\$1= 82.14 INR

Chemicals name	Current Prices	Type
Acetic Acid	430	CFR India
Acrylonitrile	1410	CFR India
Benzene	985	FOB India
Phenol	1080	CFR India
Acetone	865	CFR India
Butyl acrylate monomer	1460	CFR India
C9 solvent	Not Available	CFR India
LAB	1705	CFR India
IPA	1040	CFR India
Methanol	300	CFR India
VAM	1060	CFR South Asia
Toluene	1005	CFR India
Styrene monomer	1135	CFR India
NBA	950-1000	CFR India
2-eha	1270-1300	CFR India
Iso butanol	960-990	CFR India
MEG	495	CFR India
Mix xylene	1065	CFR India
Glycerine	700	CIF India
DMF	900	CFR India
Acrylic acid	1180	CIF India
Formic Acid	Not Available	CFR India
Adipic Acid	1300	CIF India
Ethylene	955	CIF India
PTA	855	CFR India
Propylene	925	CIF India
THF	2110	CIF India

Note- All above booking prices have been directly collected from intenders and importers and verified.

Mumbai Market Price as on 12/04/2023

Name of Chemical	Packing type	Units	Current Price	Exclusive of
Acetic Acid	Imported Repack	Rs/Kg	49	GST
	Domestic Intact	Rs/Kg	60	GST
	Domestic Repack	Rs/Kg	49	GST
Acetone	Imported Intact	Rs/Kg	102	GST
	Imported Repack	Rs/Kg	92	GST
	Domestic Intact	Rs/Kg	105	GST
	Domestic Repack	Rs/Kg	92	GST



Acetonitrile	Imported Intact	Rs/Kg	200	GST
	Domestic Intact	Rs/Kg	NA	GST
	Domestic Repack	Rs/Kg	NA	GST
Acrylonitrile	Imported Intact	Rs/Kg	165	GST
	Imported Repack	Rs/kg	150	GST
Aniline	Imported Intact	Rs/Kg	186	GST
	Imported Repack	Rs/Kg	NA	GST
	Domestic Intact	Rs/Kg	190	GST
	Domestic Repack	Rs/Kg	NA	GST
Benzene	Domestic Repack	Rs/Litre	90	GST
Cyclohexane	Imported Intact	Rs/Kg	140	GST
	Imported Repack	Rs/Kg	NA	GST
	Domestic Intact	Rs/Kg	130	GST
	Domestic Repack	Rs/Kg	118	GST
Cyclohexanone	Imported Intact	Rs/Kg	150	GST
	Imported Repack	Rs/Kg	133	GST
	Domestic Intact	Rs/Kg	NA	GST
	Domestic Repack	Rs/Kg	150	GST
C9 Solvent (99.99% purity)	Imported Repack	Rs/Kg	120	GST
C9 Solvent (Arham Petro-chem)	Imported Repack	Rs/Kg	119.75	GST
Dibutyl Phthalate	Domestic Intact	Rs/Kg	134	GST
Diocetyl Phthalate	Imported Intact	Rs/Kg	NA	GST
	Domestic Intact	Rs/Kg	143	GST
Ethyl Acetate	Domestic Intact	Rs/Kg	94	GST
	Domestic Repack	Rs/Kg	90	GST
Formaldehyde(37%)	Domestic Intact	Rs/Kg	20	GST
	Domestic Repack	Rs/Kg	19	GST
Methanol	Imported Repack	Rs/Litre	35.5	GST
Methyl Ethyl Ketone	Imported Intact	Rs/Kg	135	GST
	Imported Repack	Rs/Kg	121	GST
Methyl Isobutyl Ketone	Imported Intact	Rs/Kg	240	GST
	Imported Repack	Rs/Kg	225	GST
	Domestic Repack	Rs/Kg	NA	GST
Methyl Methacrylate	Imported Intact	Rs/Kg	146	GST
	Imported Repack	Rs/Kg	NA	GST
Mixed Xylene	Imported Repack	Rs/Kg	99	GST
	Domestic Repack	Rs/Kg	99	GST
Phthalic Anhydride	Imported Intact	Rs/Kg	120	GST
	Domestic Intact	Rs/Kg	120	GST
Vinyl Acetate Monomer	Imported Repack	Rs/Kg	99	GST



Monoethylene Glycol	Imported Intact	Rs/Kg	62	GST
	Imported Repack	Rs/Kg	57	GST
	Domestic Intact	Rs/Kg	65	GST
	Domestic Repack	Rs/Kg	57	GST
Iso propyl Alcohol	Imported Intact	Rs/Kg	120	GST
	Imported Repack	Rs/Kg	102	GST
	Domestic Intact	Rs/Kg	115	GST
	Domestic Repack	Rs/Kg	104	GST
nButanol	Imported Intact	Rs/Kg	NA	GST
	Imported Repack	Rs/Kg	100	GST
	Domestic Intact	Rs/Kg	113	GST
	Domestic Repack	Rs/Kg	100	GST
Ortho Xylene	Imported Repack	Rs/Kg	119	GST
Phenol	Imported Intact	Rs/Kg	120	GST
	Imported Repack	Rs/Kg	114	GST
	Domestic Intact	Rs/Kg	121	GST
	Domestic Repack	Rs/Kg	114	GST
Purified Terethaic Acid	Domestic Intact	Rs/Kg	NA	GST
Styrene Monomer	Imported Repack	Rs/Kg	111	GST
Toluene	Imported Repack	Rs/Kg	99	GST
	Domestic Repack	Rs/Kg	99	GST

Note-Above prices have been collected from experts and experienced outsources of the industry.Kindly verify from your end as well.

International market prices as on 13/04/2023		
Products	Regions	Current prices
Feedstock Prices \$/unit		
Crude Oil (\$/barrel)	WTI CRUDE	82.95
	BRENT CRUDE	86.94
	MARS US	82.01
	OPEC BASKET	85.41
Natural Gas	New York	2.08
Gasoline	RBOB	2.84
Heating Oil	US	2.69
Ethanol	US	2.44
Naphtha (\$/mt)	FOB Singapore	698
	European	700
	CFR Far East Asia	694
Propane	New York	0.83



Aromatics prices \$/MT		
Benzene	FOB Korea	1000
	CFR Japan	995
Styrene	CFR Japan	1095
	CFR South East Asia	1130
	CFR China	1100
	FOB Korea	1090
	CFR China	945
Toluene	CFR South East Asia	980
	FOB Korea	940
	CFR Japan	945
	CFR South East Asia	995
Iso-mix xylene	CFR Taiwan	1045
	FOB Korea	1025
	CFR China	505
MEG	CFR South East Asia	515
	CFR China	294
Methanol	CFR Korea	347
	CFR South East Asia	349
	CFR Taiwan	347
	CFR South East Asia	1045
Solvent-MX	FOB Korea	990
	CFR China	950
	CFR South East Asia	1175
Ortho xylene	FOB Korea	1160
	CFR China	1160
	CFR South East Asia	1115
Para xylene	FOB Korea	1095
	CFR Taiwan	1115
	FOB Japan	910
Propylene	FOB Korea	900
	CFR China	925
	CFR South East Asia	935
	FOB Korea	880
Propylene Glycol	CFR China	900
	CFR South East Asia	980
	CFR Taiwan	935
	CFR North East Asia	935
Ethylene	CFR South East Asia	955
	FOB Japan	900
	FOB Korea	905



Ethylene Di Chloride (EDC)	CFR Far East Asia	290
	CFR South East Asia	280
Butadiene	CFR China	1065
	CFR South East Asia	1035
	FOB Korea	1065
FOB Rotterdam USD/MT	Benzene	1045
	Methanol	300
	Ortho xylene	1495
	Para xylene	1310
	Xylene solvent	1070
	Styrene	1175
	Toluene	1205
USA Aromatics prices FOB US Gulf	Benzene C/G	381
	Toluene C/G	384
	Styrene C/LB	48.5
	Para xylene \$/MT	1130
	Mix xylene C/G	387
	Methanol C/G	73
Intermediates prices \$/MT		
Acrylonitrile	CFR Far East Asia	1430
	CFR South East Asia	1430
	CFR South Asia	1330
EDC	CFR Far East Asia	300
	CFR South East Asia	320
VCM	CFR Far East Asia	660
	CFR South East Asia	690
MTBE	FOB Singapore	1022
	FOB US Gulf	1134
Phenol	CFR China	895
	CFR South East Asia	1040
	FOB US Gulf	1258
	FOB Rotterdam	1493
Acetone	CFR China	770
	CFR South East Asia	905
	CFR Far East Asia	685
	FOB US Gulf	1200
	FOB Rotterdam	1315
Caprolactum	CFR Far East Asia	1700
	CFR South East Asia	1700
Caustic Soda	FOB North East Asia	350
	CFR South East Asia	415



Ethyl acetate	FOB US Gulf	1990
	FOB Rotterdam	1205
	FD North West Europe(Euro/mt)	1200
Butyl acetate	FOB US Gulf	2340
	FOB Rotterdam	1501
	FD North West Europe(Euro/mt)	1470
MEK	FOB Rotterdam	1479
	FD North West Europe(Euro/mt)	1450
IPA	FOB US Gulf	1090
	FOB Rotterdam	1216
	FD North West Europe(Euro/mt)	1210
NBA	CFR China	1160
	CFR South East Asia	1180
	CFR Far East Asia	1155
Octanol	CFR China	1200
	CFR South East Asia	1320
	CFR Far East Asia	1205
DOP	CFR China	1330
	CFR South East Asia	1410
	CFR Far East Asia	1325
Phthalic anhydride	CFR China	1150
	CFR South East Asia	1220
	CFR Far East Asia	1155
	CFR South East Asia	865
Acetic Acid	CFR Far East Asia	450
	CFR South East Asia	435
	CFR South Asia	440
	FOB China	355
VAM	CFR China	1025
	CFR South East Asia	1090
	CFR South Asia	1090
Polymers prices \$/MT		
PVC Suspension	CFR Far East Asia	800-820
	CFR South East Asia	820-860
ABS Injection	CFR Far East Asia	1340-1400
	CFR South East Asia	1400-1440

Note-Above prices have been collected from experts and experienced outsources of the industry. Kindly verify from your end as well. Above prices are Exclusive of GST



Shipping term		Description
FOB	Free on Board	The seller quotes a price including the cost of delivering goods to the nearest port. The buyer bears all the shipping expenses and is responsible to get the products from that port to its final destination. In simple terms, FOB price means the buyer has to bear the shipping costs completely. This is one of the most used shipping terms by international buyers and sellers.
EXW	Ex-Works	The seller has no involvement with the transportation costs and risks. The buyer has to collect the goods from the seller's site and get them to the final destination. All the costs and risks are borne by the buyer. It is advisable that the buyer purchases insurance since the goods can get damaged in transit. EXW is ideal when the buyer and seller are in the same country or region.
CFR	Cost and Freight	The seller pays the loading and freight costs from his premises up to the destination port. Then, the buyer has to arrange for the goods to be transported from the port to his premises. The seller is only responsible for the cost of shipping the products to the destination port. CFR is used for products transported by sea or inland waterways only. The seller does not bear the risk of loss or damage during transit.
CIF	Cost, Insurance, and Freight	If the buyer opts for CIF price, the seller pays for the loading and freight costs right from his premises up to the destination port as well as insurance. In the case of damage or loss, the seller bears the risk completely. The buyer has to arrange for transportation of the goods from the port to his premises. CIF is a safer option than CFR since the goods are insured by the seller up to their arrival at the destination port.
DAP	Delivered at Place	It was previously known as DDU, Delivery Duty Unpaid. In this case, the seller is responsible for getting the goods from his own factory up to the premises of the buyer. He also bears the risk in the case of loss or damage of the goods right until the products are delivered to the buyer. The buyer only has to pay the import duties or custom clearance charges.
DDP	Delivery Duty Paid	The seller is responsible for shipping the goods from his factory to the destination address provided by the buyer, usually his factory or warehouse and is also liable for any damage or loss of goods during transit. The seller also takes care of the customs, VAT, or import duties levied on the products. The buyer only has to receive the products at the destination. In most cases, most sellers only offer DDP for small shipments.
FD North West Europe	Free Delivered	Free Delivered North West Europe



Countries Groups	Southeast Asia is composed of eleven countries: Brunei, Burma (Myanmar), Cambodia, Timor-Leste, Indonesia, Laos, Malaysia, the Philippines, Singapore, Thailand and Vietnam.	Far East Asia: The following countries are considered to be located in the Far East: China, Hong Kong, Macau, Japan, North Korea, South Korea, Mongolia, Siberia, Taiwan, Brunei, Cambodia, East Timor, Malaysia, Laos, Indonesia, Myanmar, Singapore, Philippines, Thailand, and Vietnam.
Note- Last changed price means when it changed last whether its yesterday or 2 days ago or 5 days ago or depends on last changing.		

Opening Ports Price (Rs/kg) of Chemicals as on 13/04/2023				
USD Exchange Rate: 81.95 INR				
Alphabets	Chemicals Name	Current Prices (INR/kg)	Prices in USD/mt Equivalent to INR/kg	Location
A	Acetic Acid	41	500.31	Ex-Mumbai
	Acetic Acid	39	475.90	Ex-Kandla
	Acetonitrile-imported intact	200	2440.51	Bhiwandi
	Acetone	85	1037.22	Ex-Mumbai
	Acrylic acid	104	1269.07	Ex-Bhiwandi
	Acrylonitrile	118	1439.90	Ex- Kandla
	Adipic acid	126	1537.52	Ex-Bhiwandi
	Aniline oil	170	2074.44	Ex-Kandla
	ABS Resin	131	1598.54	Ex-Mumbai Market
B	Benzene	70	854.18	Ex-Vizaz
	Butyl Acetate	96	1171.45	Ex-Kandla
	Butyl Acrylate monomer	119 (115.5 BPCL Kandla)	Not Availabale	Ex-Kandla
	Butyl Glycol (Butyl Cellosolve)	107	1305.67	Ex-Kandla
D	DMF Drum	NA	Not Availabale	Ex-Bhiwandi
	DEG	89	1086.03	Ex Hazira
E	EDC	33	402.68	Ex-Kandla
	Epoxy Resin	180	2196.46	Ex-Nhava Sheva
	Ethyl Acrylate	150drum,142tank	Not Availabale	Ex-port
F	Formic Acid	70	854.18	Ex-Bhiwandi
G	Glycerine	62	756.56	CIF Nhava Sheva
L	LAB	128	1561.93	Imported



C	C10	100	1220.26	Ex-Kandla
	C9	89	1086.03	Ex-Kandla
	Carbon Black-regular grade	65	793.17	Mumbai
	Caustic Soda Lye	NA	Not Availabale	Ex-Dahej
	Caustic Soda Flake 50%	52	634.53	Ex-Bhiwandi
	Chloroform	24	292.86	Ex-Dahej
	Citric Acid-ANHYD	82	1000.61	Ex-Bhiwandi
	Citric Acid-Mono	75	915.19	Ex-Bhiwandi/Ex- Mumbai
	Cyclohexane	104	1269.07	Ex-Hazira
	Cyclohexanone	121	1476.51	Ex-Kandla
H	N-Heptane	NA	Not Availabale	Ex-Bhiwandi
	Hexane	79	964.00	Ex-Kandla
	Hydrogen Peroxide-50%	30.5 (29 NPL, 30 Maghmani)	Not Availabale	Ex-Bhiwandi
I	Isobutanol	86.5	1055.52	Ex-Kandla
	IsoPropyl Alcohol	90/91	Not Availabale	Ex-Kandla/Ex- Mumbai
M	Maleic Anhydride-Drum	90	1098.23	Ex-Mumbai
	MDC	33	402.68	Ex-Dahej
	MEG	51	622.33	Ex-Mumbai
	MEK	103	1256.86	Ex-Kandla
	Melamine	89	1086.03	Imported
	Meta Para Cresol	250	3050.64	Ex-Bhilai
	Methanol	26.75-27	Not Availabale	Ex-Kandla/Ex- Mumbai
	MIBK	185	2257.47	Ex-Kandla
	Mix Xylene-Solvent Grade	88	1073.83	Ex-Kandla
	Mix Xylene-Solvent Grade	91	1110.43	Ex-Mumbai
	Mix Xylene-Iso Grade	92	1122.64	Ex-Kandla
	Mix Xylene-Iso Grade	91	1110.43	Ex-Mumbai
	MMA	139	1696.16	Ex-Kandla
N	N-Butanol	88/90	Not Availabale	Ex-Kandla/Ex- Mumbai
	N-Propanol	103	1256.86	Ex-Kandla



O	Octanol	NA	Not Availabale	Ex-Hazira
	Ortho Cresol	270	3294.69	Ex-Bhilai
	Ortho Xylene	109	1330.08	Ex-Mumbai
P	Phenol	106-107	Not Availabale	Ex-Kandla/Ex-Mumbai
	Phenolic Resin	158	1928.00	Ex-Indore
	Phthalic Anhydride	124	1513.12	Ex-Bhiwandi
	Propylene Glycol	115-116	Not Availabale	Ex-Kandla
	PVC Resin	83	1012.81	Ex-Mumbai Market
S	Sodium Nitrate (50Kg Bag)	61	744.36	Ex-Taloja Plant(Make-Lasons)
	Soda ash light	40	488.10	Ex-Bhiwandi
	Styrene Monomer	97	1183.65	Ex-Kandla
	Styrene Monomer	99	1208.05	Ex-Mumbai
	Sulphuric Acid	5.5 Vapi / 8 kolkata	Not Availabale	Ex-Vapi
T	Tio2(Anatase Grade)	190	2318.49	Ex-Bhiwandi
	Tio2(Rutile Grade)	210	2562.54	Ex-Bhiwandi
	Toluene	88	1073.83	Ex-Kandla
	Toluene	89	1086.03	Ex-Mumbai
V	VAM	90	1098.23	Ex-Kandla
	VAM	91	1110.43	Ex-Hazira
Numbers	2,4-2,5 Xylenol	220	2684.56	Ex-Bhilai

Producer Prices (Rs/kg) of Chemicals as on 13/04/2023

Producers	Chemicals Name	Current Price(Rs/kg)	Import parity price in USD/MT	Production capacity	Location
IOCL	LAB	167	2037.83	120,000 tonnes/year	Koyali, Gujarat
	Paraffin Wax	100	1220.26		
Deepak Phenolics	Phenol	102	1244.66	200,000 tonnes/year	Dahej
	Acetone	84	1025.02	80.5	Dahej
	IPA Bulk	90	1098.23	30,000 tonnes/year	Dahej
TATA Chemicals	Soda Ash light	41	500.31	900,000 tonnes/year	Mithapur



RIL	Toluene	82	1000.61	100,000 tonnes/year	Hazira
	Mix Xylene	88.5	1079.93	120,000 tonnes/year	Dahej
	MEG	53.2	649.18	750,000 tonnes/year	Jamnagar
	DEG	88.4	1078.71	65,000 tonnes/year	Jamnagar
	TEG	111.7	1363.03	NA	Jamnagar
	LAB	165	2013.42	180,000 tonnes/year	120ktpa Patalganga, 60ktpa Vadodra
	PTA	89.7	1094.57	1,300,000 tonnes/year	Dahej
Arham Petrochem Pvt Ltd (Kandla Energy & Chemicals Ltd Refinery)	C9	87.75	1070.77	69,000 tonnes /year	Kandla
	C9	88.75	1082.98	69,000 tonnes /year	Ahmedabad
	C10	99.5	1214.15	30,000 tonnes /year	Kandla
	C10	99	1208.05	30,000 tonnes /year	Ahmedabad
	C10 - Imported Repack	112.75	1375.84	30,000 tonnes /year	Bhiwandi Warehouse
	MTO/White Spirit(kl)	66.9	816.35	75000 tonnes / Year	Kandla
	MTO/White Spirit(kl)	67.9	828.55	35,000 tonnes /year	Ahmedabad
	De-Aroma-tised D40	130	1586.33	75000 tonnes / Year	Kandla
	De-Aroma-tised D40	131	1598.54	35,000 tonnes /year	Ahmedabad
	De-Aroma-tised D60	139	1696.16	75000 tonnes / Year	Kandla
	De-Aroma-tised D60	140	1708.36	35,000 tonnes /year	Ahmedabad
HOCL	Phenol	112	1366.69	40,000 tonnes/year	Kochi
	Acetone	80	976.21	24640 tonnes/year	Kochi



SI GROUP	Phenol	103	1256.86	39500 tonnes/year	Ratnagiri, Maharashtra
	Acetone	64	780.96	24000 tonnes/year	Ratnagiri, Maharashtra
	Phthalic Anhydride	121	1476.51	11000 tonnes/year	Ratnagiri, Maharashtra
	Benzene	NA	Not Available	NA	NA
Andhra Petrochemicals	Octanol	108	1317.88	70,000 tonnes/year	Vishakhapatnam
	N-Butanol	87.5	1067.72	30,000 tonnes/year	Vishakhapatnam
	Iso-Butanol	92	1122.64	4000 tonnes/year	Vishakhapatnam
Adipic acid	Ex-Deepak	NA	Not Available		
	Ex-BASF	195	2379.50	210,000 tonnes/year	Germany
NIRMA	LAB	150	1830.38	120,000 tonnes/year	Vadodra
GACL	Soda Ash light	NA	Not Available		
GNFC	Acetic Acid	41.5	506.41	160,000 tonnes/year	Bharuch
	TDI Drum	212	2586.94	67000 tonnes/year	Bharuch
	Aniline Oil	176	2147.65		Bharuch
MDC	Grasim	NA	Not Available	33000 tonnes/year	Nagda, Madhya Pradesh
	Meghmani	32	390.48	397500 kg/month	Ankleshwar, Gujarat
	Rayalseema	NA	Not Available	40 tonnes/month	Bharuch, Gujarat
	GACL	32	390.48	NA	Bharuch, Gujarat
Caustic Soda Lye	Meghmani	36.5	445.39	400000 tonnes/annum	Bharuch, Gujarat
	GACL	36.75	448.44		
	RIL	NA	Not Available	69500 tonnes/annum	Kurnool Distric, Andhra Pradesh
GSFC	Cyclohexane	104	1269.07	NA	Gujarat
	Cyclhexanone	105.5	1287.37	NA	Gujarat



BPCL	Benzene	80.2	978.65	90,000 tonnes/year, Mumbai Refinery,	87000 tonnes/year, Kochi
	Toluene	82	1000.61	16,000 tonnes/year	Kochi Refinery
	Hexane(kl)	86	1049.42	35,000 tonnes/year, Kochi	Mumbai Refinery
	Hexane(MT)	129.5	1580.23	35,000 tonnes/year, Kochi	Mumbai Refinery
	MTO(kl)	98.9	1206.83	19,000 tonnes/year	Mumbai Refinery
	Paraffin Wax	99	1208.05		
	Sulphur(Mol-ten)	14.6	178.16	19,000 tonnes/year	Kochi Refinery
	Acrylic Acid (Bulk)	106	1293.47	47000 tonnes/year	Kochi Refinery
	Acrylic Acid (Packed)	114	1391.09		Kochi Refinery
	2-Ethyl Hexanol (B)	112.5	1372.79	47000 tonnes/year	Kochi Refinery
	2-Ethyl Hexanol (P)	123	1500.92		Kochi Refinery
	N-Butanol(B)	91	1110.43	38000 tonnes/year	Kochi Refinery
	N-Butanol(B)	91.5	1116.53		Kandla Installation
	N-Butanol(P)	102	1244.66		Kochi Refinery
	Iso-Butanol(B)	91	1110.43	7000 tonnes/year	Kochi Refinery
	Iso-Butanol(P)	102	1244.66		Kochi Refinery
	Butyl Acrylate (B)	115	1403.29	180000 tonnes/year	Kochi Refinery
	Butyl Acrylate (B)	115.5	1409.40		Kandla Installation
	Butyl Acrylate (P)	125	1525.32		
	2-Ethyl Hexyl Acrylate(B)	148	1805.98	10000 tonnes/year	Kochi Refinery
	2-Ethyl Hexyl Acrylate(P)	158	1928.00		Kochi Refinery

Note-Above prices have been collected from experts and experienced outsources of the industry. Kindly verify from your end as well. Above prices are Exclusive of GST



Ethyl Acetate	GNFC	82.5	1006.71	50000 tonnes/year	Bharuch, Gujarat
	Accord	NA	Not Available		
	Satyam	81	988.41	50 tonnes/day	Nevasa, Maharashtra
	Bhange	80.5	982.31	400ltr/day	Ahmednagar, Maharashtra
	Jubilant	81	988.41	280 tonnes/day	Gajraula, U.P
	Laxmi	79	964.00	100000 tonnes/annum	Mahad, Maharashtra
Note- Last changed price means when it changed last whether its yesterday or 2 days ago or 5 days ago or depends on last changing.					

All of the above prices are provided by chemicalsupdates.com.

If you wish to subscribe to the pricing module, please send us an email at info@chemicalmarket.net or call us on +91-877-9830-330

New Chemical Products Listed on Chemical Market Leads Platform

HP Selenium / Selenium / 7782-49-2 / 28049000 / Nippon Rare Metals



CAS-Number :-7782-49-2

Molecular Weight :-mol/g

Package Size :- 200gm

Molecular Formula :- SE

Available Qty :- Kgs

Price :- Available on Request

Markets :- Solar Industry | Pharmaceutical Intermediates

Description: Medical,X-ray-sensor (mammography etc), Compound semiconductor, CIGS Solar cell, Chalcogenide glass, Infra-red lenses and Sensor materials

TURKEY RED OIL 35%, 50% & 65% / 8002-33-3



CAS-Number :- 8002-33-3

Molecular Weight :- mol/g

Package Size :- 50kg & 215Kg H.D.P.E. Drums

Markets :- Basic Chemicals | Textile Industry

Molecular Formula :-C10H16

Available Qty :- 100.0000 Kgs

Price :- Available on Request

Description : Appearance:- Amber coloured Viscous liquid.

Melting point:- < 0°C Boiling Point:- > 150°C

Solubility:- Miscible in Water, gives a clear solution. Sulphonation degree:- Minimum 4.0.

Uses : Used in Textile industries, Sugar industry, as a defoaming agent, as an Emulsifier. In cosmetics it is used as humectants and as an Emulsifier for Oil Bath. Various Applications of Turkey Red Oil:- Turkey Red oil is used in agriculture as organic manure, in textiles as surfactants and wetting agents, in paper industry for defoaming, in cosmetics as emulsifiers, in pharmaceuticals as undecylenate, in paints inks and as lubricants.



Dyes Chemical Market

(A Monthly Magazine)

Subscription Order Form

To,
Mr. Rajiv Parikh
DCM Media Private Limited
513 Lotus Business Park, Ram Baug,
Chincholi, Off S.V. Road,
Malad West, Mumbai 400064
Phone: +91-877-9830330 / 91-98196-44048
Email: info@chemicalmarket.net

Dear Sir,
Please send us the magazine "Dyes & Chemical Market" regularly for one/two /three year(s) to the email address given below.
We are sending/enclosed the amount of Rupees _____ by
PayTM/UPI/Cheque/Cash with the subscription form.
I want to opt for WhatsApp service as well. (Please add at least 3 email addresses/ whatsapp numbers)

Sr. No	Email Address	WhatsApp#

Thanking you,
Yours faithfully,

Period:
M/s.
Address:

Phone:
Email:

Mobile:

Note : If you do not get our magazine online or on whatsapp for continuous 2 months, please inform us at the earliest, so necessary action can be taken. We will not be able to do anything if, after a year, you let us know that you are not receiving our magazine.



FREE SERVICES TO SUBSCRIBERS

Subscribers may send their enquiries for purchase of chemicals, machinery raw materials, technical know-how and employment related (jobs) to be published free of charge in Chemical Market magazine.

You can also post your purchase and sales enquiries on our website at www.chemicalmarket.net

All Enquiries are free except BOX NUMBER ENQUIRIES. They will be charged Rs. 500/- per insertion to be paid in advance along with enquiry. Box Number means that the enquiries will be made to us to our postal address and/or our email address and thus hiding your identity for business purposes.

Contact: info@chemicalmarket.net or visit us at www.chemicalmarket.net



and strong mode of action makes it the preferred choice of flame retardant in the field of E-Mobility. In a low dosage of as little as 0.4mm of 16-20% in most polyamides, the industry's leading fire standard of class UL94 V-0 can already be fulfilled.

As far as safety and performance goes, the new AddWorks PKG 158 for polyolefin-based packaging offers increased functionalities and improved economics leveraging the use of polymers to enhance such aspects as processability, stability and static control on packaging materials. The new light stabilizers solutions AddWorks AGC 970 G, on the other hand, provides excellent UV and agrochemicals protection to extend

service life of agricultural films for the mulch segment.

"In addition to their great performance edge, Clariant's additives and plastic solutions also exhibit sound sustainability profiles making them the preferred choice of our customers. Our Licocene Terra products, for instance, enhance circularity of polymers and waxes that are based on renewable C2/C3 starting materials and combine their excellent bonding properties with a substantially reduced carbon footprint," says Sarah Zhang, Clariant's Head of Plastics, BU Adsorbents & Additives.

Another wax product going to be highlighted at Chinaplas, Licocare Vita, is

based on renewable crude rice bran wax. Used mainly in engineering thermoplastics applications, it functions as a highly effective lubricant and dispersion aid. The bio-based additive solution also has an excellent environmental profile which is conducive to achieving corporate sustainability targets.

Besides showcasing the highlighted products at their booth at 15C41, Shenzhen World Exhibition & Convention Center during the show period of 17-20 April 2023, Clariant will also present their solutions in the seminar session of Chinaplas. Please check out the latest schedule from the event website or contact the Clariant team for more details.

Source : Chemical Market

Evonik's New Dispersant for Waterborne Printing Inks is Safe, Effective, and Widely Usable

- Superior food contact compliance
- High effectiveness across a broad range of pigments
- Excellent shock resistance

viscosity reduction, color strength development, pigment stabilization and improved shock resistance.

In addition to its suitability for all waterborne ink ap-

plications, TEGO® Dispers 780 W is compliant for food packaging applications.

Susanne Struck, Global Head of Applied Research and Technology for Inks

and Digital, says: "Safety is a top priority in the development of all our additives. Our new dispersant complies with many global food contact regulations and doesn't contain any solvents, volatile organic compounds (VOCs), or hazard labels".

With its superior pigment stabilization, TEGO® Dispers 780 W contributes to the trend of creating formulations with less grinding resin in order to minimize side effects and maximize pigment loading.

Source : Evonik

Essen, Germany. Evonik's Coating Additives business line introduces TEGO® Dispers 780 W: a new waterborne dispersant offering customers an all-in-one solution for classical grinds, resin-reduced and resin-free grinds.

Developed specifically for printing inks, TEGO® Dispers 780 W offers several advantages to meet the growing needs of ink formulators: high performance at a low dosage, excellent



Toray Wins Chemical Society of Japan Award for R&D into Highly Stable Organic Phosphors and Application to Color Conversion Sheets for Wide Color Gamut LCDs



Toray created color conversion sheets using the organic phosphors that it developed, adopting them for LCDs combining wide color gamuts, high efficiency, and nontoxicity. The sheets offer excellent luminous efficiency and can reduce energy losses. They could therefore contribute to developing eco-friendly, energy-saving displays in coming years.



Tokyo, Japan, March 24, 2023 – Toray Industries, Inc., announced today that it has won a Chemical Society of Japan Award for Young Chemists in Technical Development for 2022. This award recognized Toray for developing significantly more stable organic phosphors delivering high color purity and efficiency and creating eco-friendly, nontoxic color conversion sheets that employ the phosphors for liquid crystal displays (LCDs) with wider color gamuts.

Organic phosphors convert energy into light. They serve as fluorescent labels and sensitizers because they offer superior design flexibility and luminescence. Recent years have seen research into applying them to electronics and information, energy, and other advanced fields. The downside has been that organic phosphors have been less stable than inorganic counterparts, frequently impeding practical applications.

It is worth noting that while smartphones and other small devices increasingly employ organic electroluminescent displays, monitors, televisions, and other medium- and large-sized displays are predominantly LCDs. Wider color gamuts are necessary to display vivid colors on LCDs. Manufacturers have accordingly commercialized quantum dots, which are light-emitting inorganic materials, to attain that color purity. However, with quantum dots, there is concern about the presence of toxic elements such as cadmium (Cd), and when Cd is replaced by other elements, color purity and efficiency are decreased.

This situation prompted Toray to explore the degradation mechanism for existing organic phosphors, which offer high color purity and efficiency. It drew on its findings to determine a chemical structure and electronic state needed for the molecular design to inhibit degradation. The company thereby developed an organic phosphor that combines high color purity and a fluorescence quantum yield comparable to that of cadmium-based quantum dots while delivering high stability and a resistance to degradation even in the atmosphere. The technology from this breakthrough should contribute to deploying organic phosphors in applications where long-term reliability is essential.

Toray will keep helping to resolve environmental issues by developing advanced materials in keeping with efforts to materialize its corporate philosophy of contributing to society by creating new value through innovative ideas, technologies, and products.

Yasunori Ichihashi, a research associate at Toray's Electronic & Imaging Materials Research Laboratories, and Hirotoishi Sakaino, a senior research engineer at that facility, and the award-winning organic phosphor solution.

Source : Toray



Sinopec's Styrene Butadiene Copolymer (SBC) Project with 170,000 Tons/Year Production Capacity Goes into Operation



BEIJING, April 10, 2023 – Hainan Baling Chemical New Material Co., Ltd., a subsidiary of China Petroleum & Chemical Corporation (HKG: 0386, "Sinopec"), has launched production of its styrene-butadiene copolymer (SBC) project (the "Project") in Hainan, China, which will reach an annual production capacity of 170,000 tons.

Sinopec now has the largest world's largest production capacity of SBC plants. Baling New Material and Sinopec Hainan Refining & Chemical Co., Ltd. invested 1.924 billion yuan in the Hainan Baling project (USD 279.74 million). The project's SBC plant produces 170,000 tons of SBS and SEBS products annually, including 120,000 tons of SBS products and 50,000 SEBS products. The plant has

13 units including refining, polymerization, coalescence, recycling, auxiliaries preparation, and post-treatment, as well as supporting production and public facilities.

TPE (thermoplastic elastomer) is a class of copolymers that can be plasticized at high temperatures and has rubber elasticity at room temperature, and SBC is a type of TPE, the products of which include SBS, SEBS, SIS, and SEPS, which are widely used in shoes, asphalt modification, resin modification, adhesives, food packaging, medical equipment, sports equipment, automobiles, and consumer electronics.

The Project uses Sinopec's self-developed SBS and SEBS full solution sets, including a clean manufacturing method that can create SBCs of varying grades and performances to fulfill customers' product customization needs. In the meanwhile, it's using Hainan Refining & Chemical's styrene and butadiene, Baling New Material's new technologies, and the Hainan Free Trade Port to minimize raw material and transportation costs and expand the industrial chain to optimize revenue. The Initiative will export SBC goods to developing European, Southeast Asian, and South Asian markets.

Sinopec has advanced synthetic rubber R&D in China for more than five decades. In the 1970s, Yanshan Petrochemical Research Institute developed butyllithium preparation and SBS polymerization technologies. Sinopec is one of only three firms in the world—and the only one in China—capable of industrial production of novel SEPS products using environmentally friendly technology. Baling New Material's SEPS facility, with a 20,000-ton annual production capacity, began production in August 2017.

With exclusive SBC technologies and proprietary intellectual property rights, Sinopec is now taking a technologically leading position in the world for the development of SBC technologies and products.

Source : Sinopec



CHEMICAL MARKET

"Leads Platform"-your marketing
tool for the chemical industry !

Get exposure on a global scale!

Connect with
Customers



Save Time



Easy To Use



Grow Your
Business



Smartly
Grow
Your Business Fast
Register Now



- Your Own Profile Page
- Your Own Product List Page
- Set Your Warehouse Locations
- Select Your incoming Leads/ Enquiries
- Feature Your Products/Tech.
- No Fake Enquiries
- Membership only to approved Members.
- Global Reach / Targeted Audience (80,000+ Organic Reach)
- Monthly Newsletter listing of your Products



+91 93724 34490 / +91 877-9830-330



www.chemicalmarket.net



info@chemicalmarket.net

