Annual Subscription : Rs. 600 | USD 11.99

FEBRUARY 2022

VOLUME IX | ISSUE # 7

MUMBAI | PAGES 68

DYES & CHEMICAL MARKET

39th Year SINCE 1982

A MONTHLY MAGAZINE DEVOTED TO

DYES CHEMICALS PHARMACEUTICALS API TEXTILE AUXILIARIES PAINTS SOLVENTS COSMETICS

PHARMACEUTICAL & CHEMICAL PRIVATE TREATY SALE

Maynards SINCE 1902

AVARA MAIN PRODUCTION EQUIPMENT

avara PHARMACEUTICAL SERVICES

LAST SALE IN SERIES LAST CHANCE FOR MAKING YOUR OFFERS

Chemical and Pharmaceutical Main Production Equipment

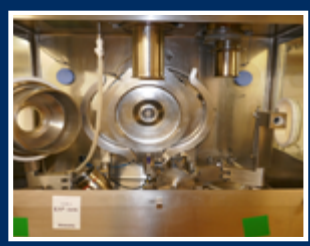
MILLS:
(2) API HOSOKAWA 315 UPZ ALPINE MILLING SYSTEMS, Complete with spares packages (E5M 008, E9 009)

PRESSURE FILTERS:
CHARLES THOMPSON LIMITED Hastelloy Pressure Filter/ Dryer CT (MPB 001)
CHARLES THOMPSON LIMITED Stainless Steel, Pressure Filter/ Dryer Filter Dryer Model CT2000, new 2001 (E6 005)
COMBER Stainless Steel, Pressure Filter/ Dryer PF4000, new 2000 (E9 010)
(4) CHARLES THOMPSON LIMITED Pressure Filter/ Dryers CT, new 1999 (MPB 002-005)
NEWALL DUNFORD Stainless Steel Pressure Filter/ Dryer (E1 007)

REACTORS:
ARDETH ENGINEERING LIMITED Hastelloy Reactor, new 1997 (E2 011)
PFAUDLER-BALFOUR LEVEN Reactor (CSGL) CE6300, new 2001 (E9 011)
DE DIETRICH Reactor (CSGL) CE6300 (E4 005)

Spares Packages including; Carbon Block Heat Exchangers, Plate Heat Exchangers, Unused Ovens, Valves, Agitators & Baffles





SALE DETAILS
Location: Avara Pharmaceutical, Avonmouth, UK
Preview: Strictly by appointment only
Global shipping solutions available upon request

REGISTER AND MAKE YOUR OFFERS NOW
WWW.MAYNARDSEUROPE.COM

Contact: **Nithin Askey**
Tel: +44(0) 7342 343118
E: naskey@maynards.com

Available Chlorides & Bromides

N-Hexyl Bromide
Octyl Bromide
N-Propyl Bromide
Sodium Bromide
N-Hexyl Chloride
Sodium Chloride
N-Hexyl Chloride
Octyl Chloride
Pivaloyl Chloride
Valeryl Chloride
Methoxy Acetyl Chloride
IsoButyl Chloride
Thionyl Chloride
Sulphuryl Chloride
Bromo Benzene

Domestic Products : Acetonitrile, Diisopropylamine, Diethylamine, Dimethylamine Hcl, Diethylamine, Dimethylaminopropylamine (DMAPA), MIPA 70%, Trethylamine, Mnoethylamine 70%, Diethylhydroxylamine (DEHA), Di-n-butylamine, Thionyl Chloride, Sulphuryl Chloride, Diisopropylethylamine, Tri Ethylamne Hcl

Direct Imports : Diethylenetriamine, Diisopropylether (DIPE), Dimethylformamide, Dimethyl Sulphoxide, Dipropylene Glycol, Formic Acid 85% Luxi, Heptane, Hexane, Hydrogen Peroxide 50%, Isoprpyl Alcohol (IPA), Lactose Monohydrate, MSP, SAPP, STPP, TSP, TSPP, SS, SMBS, PMBS, Propylene Glycol, Propylene Glycol Monomethyl Ether Acetate, Tetraethylene Pentaamine, Tetrahydrofuran (THF)

KRISHNA SOLVECHEM LTD.
CHEMISTRY WITH COMMITMENT

B/503, Sahayog, S. V. Road, Kandivali (W), Mumbai 400 067. INDIA
Tel.: +91-22-6123 0222 • Fax : +91-22-2862 4110
Email : atul@kscl.co.in / days@kscl.co.in
Website : www.kscl.co.in

Chemical Market Portfolio : https://www.chemicalmarket.net/profile/krishnasolvechem

Chemical Market Portfolio : https://www.chemicalmarket.net/profile/flowchemindustries

GROW YOUR BUSINESS

- Static/Dynamic Website Development
- Domain Registration
- Web Hosting
- Email Hosting with interface similar to Gmail
- Poster, Brochure Banner & Sticker Design
- Carton (like in Pharmaceutical Industry)
- Flier, Book Work, Annual Report & Label

Guaranteed cheaper rates and best customer service than your current hosting provider

Guaranteed cheaper rates and best customer service than your current printers

Get free 1 hr Consultancy to Discuss
your project & receive free Quotation

CONTACT NOW

@ info@skyy-tech.com

+91 877-9830330
+91 913-7316486

Event information may be out of date due to the coronavirus (COVID-19). Confirm details with event organisers. This page was updated on Nov 10th 2021

CHEMICAL MARKET

CphI - Informa Group

No	Exibitions	Date	Place
1	CPhI North America	May 17-19, 2022	PHL
2	CPhI Worldwide Germany	Nov 1-3, 2022	Fiera Milano, Milan, Italy
3	CPhI Middle East & Africa	TBD	Abu Dhabi, UAE
4	CPhI China- Virtual CPhI	Dec 16-18, 2021	Shanghai, China
5	CPhI Japan	Apr 20-22, 2022	Tokyo, Japan
6	CPhI Korea	TBD	Seoul, India
7	CPhI India	Nov 24-26, 2021	Noida, India

MECD (Coating Show)

1	Asia Pacific Coatings Show	Sept 14-16, 2022	Indonesia, Jakarta
2	Middle East Specialty Chemicals Show	June 12-14 2021	Dubai
3	Middle East Coatings Show	June 12-14, 2022	Dubai
4	Coatings For Africa	May 04-06, 2022	Sandton, South Africa

Post your events today! Signup for our Event Partners Program at http://chemicalmarket.net/Partners

CHEMS

1	Dye+Chem Morocco International Expo	Nov 24-27, 2021	Morocco
2	Dye+Chem Sri Lanka International Expo	TBD	Colombo Sri Lanka
3	Dye+Chem Bangladesh International Expo	TBD	Bangladesh
4	Dye+Chem Brazil International Expo	Nov 09-11 2021	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	Nov 24-26, 2022	Istanbul
2	Paint Istanbul TURKCOAT	Mar 17-19, 2022	Istanbul
3	Paint Expo Eurosia	Nov 25-27, 2021	Istanbul

Other Exhibitions

1	Paint India	Mar 10-12, 2022	JIO World Convention Center, Mumbai
2	Expo Paint and Coatings	July 28-30, 2022	New Delhi, India
3	CIPI	TBD	Mumbai, India
4	Chemspec Europe	May 31-Jun 01, 2022	Messe Frankfurt, Germany
5	ChemUK 2022 Expo	May 11-12, 2022	NBC, Birmingham, UK
6	American Coatings Show	Apr 05-07, 2022	Indianapolis
7	China Coat China	Mar 02-04, 2022	Shanghai, China Shanghai
8	Interdye China	May 31-Jun 02, 2022	China
9	Paint Expo Germany	Apr 26-29, 2022	Germany

ESTABLISHED SINCE 1974

MAVANI CHEMICALS PVT. LTD.

Manufacturers & Exporters of : Dyes • Intermediates • Chemicals

QUINIZARINE (1-4 DIHYDROXY ANTHRAQUINONE)

Dyes Similar to "SOLO PHENYL" SERIES

- **YELLOW ARL** (Against Huntsman Yellow ARLE)
- **BORDO 3B** (Against Huntsman Bordeaux 3BLE)
- **BLUE TL** (Against Huntsman BLUE TLE)
- **ORANGE ARL** (Against Huntsman ORANGE ARLE)
- **VIOLET 4B** (Against Huntsman violet 4BLE)
- **YELLOW GL** (Against Huntsman YELLOW GLE)
- **RED - 4G** (Against Huntsman RED - 4GE)
- **RED - HI** (Against Huntsman Scarlet BNLE)
- **GREEN - BL** (Against Huntsman GREEN - BLE)
- **PHOSGENATED AND CYANURIC BASED - Powder & Liquid Direct Dyes for COTTON & BLEND COTTON. PAPER** (BLEACHING CRAFT), **LEATHER**
- **SPECIALIZED - AZO (BIS AZO & TRIS AZO) & DEHYDRO THIO BASED** DIRECT DYES
- **SALT FREE DYES** FOR INK JET INK APPLICATION

Acid Yellow 219 & Acid Orange 156

- **Dyes for PH and STAIN INDICATOR**

(ALIZARINE RED BM ALIZARINE RED S. TITAN YELLOW, (DIRECT YELLOW - 09.), NITRIZINE YELLOW & ACID YELLOW 36)

DYES INTERMEDIATES -

PAPAS ACID / MAMAS ACID / YELLOW RL BASE / DIRECT VIOLET BASE / DIRECT YELLOW 87 BASE / ORANGE BASE / B.H.K. ACID / 2(4 ETHYL BENZOYL) BENZOIC ACID / 2(4 METHYL BENZOYL) BENZOIC ACID

NIMISH M. MAVANI
CEO

Office :
Rangwala House 288, Samuel Street, Vadgadi, Mumbai - 400003. (India)
Tel: +91-22-2342 2511 - 2344 6766 (Ex-16 & 17)
Fax : +91-22-6636 8829 Mobile : 98700 30965
E-mail : nimishmavani@hotmail.com

Chemical Market Portfolio : https://www.chemicalmarket.net/profile/mavanichemicals

Dyes & CHEMICAL MARKET

NOW HIRING !!!

"Build Your Career With Us And Make Your Dream Come True !"

We are looking for dynamic individuals to join our team

SALES EXECUTIVE

WHY WORK WITH US ?

1) Great Opportunity to go to Exhibitions Nationally and Internationally.
2) Full Time and Part Time Options Available.

COME AND JOIN US !
2021 RECRUITMENT !

Send over your resumes at
Email : chemicalmarket.net@gmail.com

SKC Industries LLP

An ISO 9001:2015 Certified Company

Manufacturers, Exporter & Importer

Industrial Salt

Application: Detergent, Soda Ash, Dyeing, Textile, Other Chemicals

Edible Refine Salt

Application: Edible Refinery, Soda Ash Refinery, Pharma & Chemical

Raw Salt/Crystal/Coarse Salt

Application: Edible Refinery, Soda Ash Refinery, Pharma and Other Raw Material for Chemical

Sodium Chloride NACL 99% (Above 94% to 99.5)

Sodium Sulphate by Product

Tablet Salt (Use for Water Softening)

Head Office:
SKC INDUSTRIES LLP
13,1st Floor, SwamiNarayan Mandir Bulding,
Plot No.37, Sec-9, Opp Jai Residency,
Gandhidham-Kutch 370201 Gujarat-India.
Email: naran@skcind.com
Web: www.skcsalt.com, www.skcexport.com

For information & Inquiry:
Email: marketing@skcind.com

Product Inquiry:
Cell No: +91-9825788223 (Whatsapp)
Cell No: +91-9081099950

Logistics Marking:
Nearest Sea Port: Kandla and Mundra(Gujrat-India)
Airport: Ahmedabad-(Gujarat-India)

Chemical Market Portfolio : https://www.chemicalmarket.net/profile/skcindustries

Buy Enquiries

Post your BUY Enquiries:
https://www.chemicalmarket.net/search

Product Name	Qty	Grade
Ortho Xylene	20 Tons	Industrial
Toluene	10 Tons	
Glacial Acetic Acid	150 Tons	
Caustic Lye	200 Tons	
Copper Sulphate	10 Tons	
Copper Nitrate	10 Tons	
Titanium Dioxide Anatase Grade	3 Tons	
BF3 [Borone Trifloride]	2 Tons	
Glycerin	5 Tons	-

Details : We Have Our Chemical Factory at Kumbhivali in Raigad District of Maharashtra, India. Required on a Monhly Basis
Mr. Kamal Dujodwala and Pannkaj Dujodwala
Mangalam Organics Limited
Village Kumbhivali, Savroli Kharpada Road,
Khalapur - 410202, Raigad, Maharashtra, India
Web : www.mangalamorganics.com
Email : info@mangalamorganics.com
Tel.: +91-22-49204089

Product Name	Qty	Grade
Direct, Reactive and Optical Whiteners.		Industrial Dyes and Chemical

Details :
Anil Kumar Gupta
M/s Zenith Dyestuffs & Chemical Industries
Ludhiana Road, Malerkotala - 148023
Email : zenithdyes@yahoo.co.in/ info@idcda.in
Tel: 01675-263328
Mobile: +91-94172-40234/92165-40234

Product Name	Qty	Grade
Sodium Bi-sulphate	Bulk	Chemical
Polysol	Bulk	

Details :
Mr. Tejas Thakkar
M/s Nitish Enterprises,
203, Dariastan Bldg, 33, Dariasthan Street,
Mumbai - 400003,
Tel: 98200-92170

Product Name	Qty	Grade
Non Ferrous Metals		Manufacturer

Details :
Santosh Thakre
S S Fine Chem Laboratories
Email : ssfinechemlaboratories@gmail.com
Mobile : 9867774142

Product Name	Qty	Grade
Bentonite	500 Kg	Technical
Caustic Soda	500 Kg	Industrial
Hydrochloric Acid (HCL)	500 Litre	Chemical

Details :
Lal P Chacko
Email: lalpchacko@hotmail.com
Phone: +91-944-702-0652
Location: Calicut, Kerela

Product Name	Qty	Grade
Boric acid		
Potassium permangnate		
Potassium iodide		
Iodine		
Light liquid paraffin		
Heavy liquid paraffin		
Petroleum jelly		
Turpentine oil		
Castor oil		
Glycerine		
Zinc oxide		
Magnesium sulphate		
Copper sulphate		

Details :
Tajinder Goyal
Softex Surgical
Email : Tajinder.goyal@gmail.com
Ph: +91-980-555-6667

Product Name	Qty	Grade
AMANTADINE HCL	1400 KGS	
NITRIC ACID	1400 KGS	
N-BUTANOL	2500 KGS	

Details : Please share the best commercial price of below mention material with terms and condition.
Note: pls send me COA of all the products to technical verify and expedite procurement procedure.
Elixirpharma (www.elixirpharma.in)
Nikhil Panchal
Plot No. 164/A, Phase - II, GIDC,
Naroda, Ahmedabad - 382 330, GUJARAT.
Email: purchase@elixirpharma.in
Tel: + 91-79-22811986 Ext. : # 314
+ 91-7600010366 Ext. : # 314
Mobile: +91-98201-20633

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

Buy Enquiries

Post your BUY Enquiries:
https://www.chemicalmarket.net/search

Product Name	Qty	Grade
Glycerine Terpinol	1 Tonnes	Industrial

Details :
Sanjay Rokad Shreeji Enterprise
Ankleshwar, Gujarat, India
Email : rokadsanjay@yahoo.com
Mobile : +91-701-615-0012

Product Name	Qty	Grade
Acetic Acid	Tanker	

Details :
Dinesh Gupta
HARESH ENTERPRISES (Wholeseller)
Email: setuenter@yahoo.co.in
Mobile: +91-9824200441

Product Name	Qty	Grade
Ammonium Sulphate pure white		

Details :
Manish
SM Dharani Chem Pvt Ltd(Manufacturer)
Email : manish@smdcpl.in Mobile : 9879408765

Product Name	Qty	Grade
CAS NO 112-12-7 FISCHER'S BASE	2000 Litres	Any

Details :Required on regular basis. Min Qty 2000 Ltr.
Mr. Jitendra Bhalgat
Ahmednagar, Maharashtra, India
Email : jbhalgat11@gmail.com
Tel.: 9422220871

Product Name	Qty	Grade
Potassium Carbonate Granular	750 Kgs	Industrial
Sodium Nitrate	1500 Kgs	
Caustic Soda Flakes	2000 Kgs	

Details : Require following grade Caustic - GACL Ray-on Grade Potassium Carbonate - Equal to UBID Korea
Mr. Utpal Shah
Mumbai, Maharashtra, India
Email : utpal@jayeshgroup.com
Tel.: 9820144091

Product Name	Qty	Grade
Toulene	5000 Kgs	Industrial

Details : Kindly arrange to send us quotations
Santosh Taksale
Pune, MH Mobile: 9028843799
Email:santosh.taksale@manikchandpackaging.com

Product Name	Qty	Grade
Diethylene Glycol		

Details :
Rakesh Bachani
Royal Chemicals (India)
Email : info@royalchemindia.com
Mobile : +91-922-150-3305

Product Name	Qty	Grade
Naphthalene Powder	-	
Para Di Chloro Benzene Powder		
Camphor Powder		

Details :
Xavi
Gabhri Pharma (Manufacturer)
E-mail : fragrancevalley1992@gmail.com
Mobile : 9847687718

Product Name	Qty	Grade
Resorcinol	-	
Triethyl amine		
Paraformaldehyde		
Formaldehyde		

Details :
Ashok Patil (Manufacturer)
DD Patil Chemicals, Amalner Dist Jalgoan
Email: ddchemicalsales@gmail.com
Mobile: +91-735-022-6099

Product Name	Qty	Grade
Pine Oil	-	
Emulsifier Alfox200		
various TOP		

Details : I need total raw materials for mfg. of Detergent powders, Floor cleaning Liquid etc.
Arvindbhai Vadhadia
NewCera Minechem (Manufacturer)
Email : newceraminechem62@yahoo.com
Mobile : +91-9429460123

Product Name	Qty	Grade
3-(2-Ethyhexyloxy) Propylamine. CAS NO : 5397-31-9	5 Tonnes	Chemical

Details : Need this 5 Tonnes.
Raj Shah
NASSOLKEM, BUL BUL (Manufacturer)
Email : natchem@gmail.com
Mobile : 7069039335

Buy Enquiries

Post your BUY Enquiries:
https://www.chemicalmarket.net/search

Product Name	Qty	Grade
CAS NO 112-12-7 FISCHER'S BASE	2000 Ltr	Any

Details : Required On Regular Basis. Min Qty 2000 Ltr.
Jitendra Bhalgat
Ahmednagar, Maharashtra, India
Email : jbhalgat11@gmail.com
Mobile : 9422220871

Product Name	Qty	Grade
Sodium Hypochlorite	500 Kgs	Industrial

Details : We need this product on a regular basis (Monthly) Please contact us if you are a manufacturer or a distributor. (Required in and around Calicut Kerela)
Rajshree Varshney
Mumbai, Mh
Mobile: + 917520945076
Email : rajshree.varshney@gmail.com

Product Name	Qty	Grade
Tera Hydrofurin (thf)	-	

Details : We are Trader and Deal in api and solvents
Rajiv Kapoor
Global Enterprises (Traders)
Mobile: 8866506582
Email : globalenterprisespurchase@gmail.com

Product Name	Qty	Grade
Modified Starch	1 Tonnes	Technical

Details : for our won purpose
Purushotham M
Salem, Tamil Nadu, India
Mobile: +919443326055
Email : sreestarch@gmail.com

Product Name	Qty	Grade
Trifluoromethyl benzene (CAS 98-08-8)	300 Kgs	Industrial

Details : for our won purpose
Chetan Lakhpati
Thane, Maharashtra, India
Mobile: 9920337763 Email : clakhpati@gmail.com

To Post your enquiries contact
info@chemicalmarket.net or visit
https://www.chemicalmarket.net/search

Product Name	Qty	Grade
QUARTASEPT (CMD 14-005)	500 Kgs	Chemical

Details : An Aviation/Airline Disinfection product that complies with the widely used industry specifications AMS1452 or AMS1453 (Such as substances containing 62% -71% ethanol alcohol, 0.5% hydrogen peroxide, or 0.1% sodium hypochlorite).
Kishor at Moglix
Noida
Mobile: 96503-64721
Email : Kishor.tarafdar@moglix.com

Product Name	Qty	Grade
IPA		

Details : Bulk requirement
Amit Dave
Amit International (Distributor)
Email : amitintl@zoho.com
Mobile : 9821323563

Product Name	Qty	Grade
Fast Red KD Base (HS Code – 29225014)	2 t every month	
Napthol AS-LC (HS Code – 32041929)		
Napthol ASIRG (HS Code - 29242990)	500 kg every month	
Dimethylsuccinylo Succinate (DMSS) – HS Code 29181990		
Napthol AS – HS Code 29242990		
Napthol AS-PH - HS Code - 32041921		
1,2-Bis(2-aminophenoxy) ethane – HS Code 29222990		
2,4,6 Trichloro Aniline	100 Kgs	Chemical

Details :
Pravin Iyer
AT Pigments (Manufacturer)
Email : pravin.iyer@atpigments.com
Mobile : 9898507767

Product Name	Qty	Grade
Silica Sand	500 Tonnes	Industrial

Details :
Mr. Haroun Mousa
Dammam
Mobile: 00966566663350
Email : haroonmousa69@gmail.com

Buy Enquiries

Post your BUY Enquiries:
https://www.chemicalmarket.net/search

Product Name	Qty	Grade
Titanium dioxide		

Details :
P. DO. SHAH
SEMITONE INDIA (Manufacturer)
Email : prakash@pcf.co.in
Mobile : 918850655380

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
Glacial Acetic Acid	30 Kgs	

Details : Please send us the below information of this product with COA / spec If you have any query then feel free to contact me directly. Thank you in advance, and look forward to receive the requested information from you. Abhishek Jha (Executive Purchase)
Abhishek Jha
Valsad, Gujarat, India
Email : pur5@triveniinterchem.com

Sales Enquiries

Upload your Products Today: Signup Today:
https://www.chemicalmarket.net/Account/Register

Product Name	Qty	Grade
Barium Titanate		
Calcium Titanate		
Lead Titanate		
Lithium Titanate		

Details :
P. DO. SHAH
SEMITONE INDIA (Manufacturer)
Email : prakash@pcf.co.in
Mobile : 918850655380

Product Name	Qty	Grade
Industrial Label Gum 38051010		

Details :
Janardhan
Katyayani Polymers (Manufacturer)
Email : katyayanipolymers@gmail.com
Mobile: +91-995-990-0375

Product Name	Qty	Grade
Purified Terephthalic Acid	-	Trader

Details :
Rakesh Bachani
Royal Chemicals (India)
Email : info@royalchemindia.com
Mobile : +91-922-150-3305

Product Name	Qty	Grade
Toluene c9 and solvents	-	Trader

Details : We are Trader and Deal in api and solvents
Rajiv Kapoor
Global Enterprises (Traders)
Mobile: 8866506582
Email : globalenterprisespurchase@gmail.com

Product Name	Qty	Grade
Reactive Dyes	Bulk	Distributor
Ramazoles		
Vat Dyes		

Details :
M/s Diamond Dyes Industries Pvt. Ltd.
102, Nain Krupa, 1st Floor, 118/112, Kazi Sayed Street, Masjid (West), Mumbai - 400 003
Tel: 022-2340-2754
Mobile: (Bharat Bhai) 093241-36095
Dilip: 093242-48986
Email: bharatd18@gmail.com

Product Name	Qty	Grade
Atul Direct Fast Orange GR		
Atul Direct Violet Extra		
Atul Direct Fast Scarlet 4BS		
Atul Acid Orange II		
Atul Crocein Scarlet Moo		
Amarthol Asph		
Solophenyl Fast Grey Rln		
Ciba Typewriter Brand Direct Green		
Solophenyl Blue BL 200		
Chemicals		

Mitesh Modi
Contact : 9830090208, 9339459367
Email : amritdyes1952@gmail.com

To Post your enquiries contact
info@chemicalmarket.net
or visit
https://www.chemicalmarket.net/search

Sales Enquiries

Product Name	Qty	Grade
Alfa Napthols		
Diethyl Meta Toluidine		
2 Nitro Di Methyl Tere-phthalate		
5 Nitro 2 Amino Phenol		
Aceto Acetanilide		
Meta Phenylene Di-amine		
Ortho & Para Anisidine		
Dye Intermediates		Broker
Chemicals		Broker

Details
M/s H. Rameshkumar
Goradia House, 3rd Floor, Room No. 309, 100/104, Kazi Sayed Street, Mumbai - 400-003
Tel: 022-2344-4365
Mobile: +91-93231-36833

Product Name	Qty	Grade
2Methoxy Naphthalene which is use in agarbatti and perfume		
4 chloro anisole		
Sodium sulphate		

Details :
Ashok Patil
DD Patil Chemicals, Amalner Dist Jalgoan
Email: ddchemicalsales@gmail.com
Mobile: +91-735-022-6099

Product Name	Qty	Grade
ACETIC ACID cas number 64-19-7 / Hsn number 29152100		
Hydracloric Acid		

Details :
Dinesh Gupta
HARESH ENTERPRISES (Wholeseller)
Email: setuenter@yahoo.co.in
Mobile: +91-9824200441

Product Name	Qty	Grade
Ammonium Sulphate caprolactum grade		

Details :
Manish
SM Dharani Chem Pvt Ltd(Manufacturer)
Email : manish@smdcpl.in
Mobile : 9879408765

Product Name	Qty	Grade
Sodium Bi Sulphate	-	-

Details :
M/s Anant Corporation / Nitish Enterprise
203, Dariyasthan Chambers, 2nd Floor, 33, Dari-**yasthan Street, Masjid (West), Mumbai - 400 003**
Tel: 022-6331-2140 Fax: 022-2347-1894
Mobile: 098200-92170, 098198-61068
Email: nitish2846@gmail.com

Product Name	Qty	Grade
Plastic Bottles		
Carboys		
M.S. Capsules		
Bungs		
All Types of Sealing Machines		

Details :
M/s Samir Brothers
Ashok Niwas, 2nd Floor, Daulat Nagar, Road No. 3, **Borivali (East), Mumbai - 400 066.**
Tel: 022-2808-1542 / 022-2805-9475 / 022-2855-8035 (R)
Contact For: Plastic Bottles, Carboys, M.S. Capsules, Bungs & All Types of Sealing Machines

Product Name	Qty	Grade
Red 195	-	-
Red 196		
Red cd		
Orange me2rl		
Orange 72		
Fast Magenta		
Yellow FG		
Blue me2rl		
Blue gg		
Blue me2gl		
Blue 222		
Yellow ME4GL		
Yellow H7GL		
Yellow 95(P6GS)		
Yellow 37(GL)		
Yellow HE6G		
Red (P4BN)		
Red HE88		
Red HE7B		

Details :
Jitendrabhai
Mobile : +91-9904063662

Sales Enquiries

Upload your Products Today: Signup Today:
https://www.chemicalmarket.net/Account/Register

Product Name	Qty	Grade
Pigment Yellow 74 (5 GX) (2 GX)		
Pigment Red 146		
Pigment Yellow 83		
Pigment Red - 2		
Pigment Violet - 19		
Red - 122		
Red - 112		
Yellow - 180		
Yellow - 151		

Details : We want Indian manufacturers for pigment intermediates listed above. we are into manufacturing organic pigments.
Pravin Iyer
AT Pigments (Manufacturer)
Email : pravin.iyer@atpigments.com
Mobile : 9898507767

Product Name	Qty	Grade
Textile binders		
Paint & Construction Chemicals		
Wood Adhesives		
Adhesives for Printing & Packaging Industries		
Leather Chemicals		

Details :
R P Agrawal
Texochem Industries (Manufacturer)
Email : info@texochem.com
Mobile : 919820217042

Product Name	Qty	Grade
Glycerine	12 Tons	Manufacturer

Details :
Tajinder Goyal
Softex Surgial
Email : Tajinder.goyal@gmail.com
Ph: +91-980-555-6667

Product Name	Qty	Grade
Pharma Intermediates	-	

Details :
Arnish
Chemox Chemopharma Industries (Manufacturer)
Email : vekariya.arnish@ymail.com
Mobile: +91-990-908-3070

Product Name	Qty	Grade
KAILASH brand detergent paste		
detergent round tablet		
home care products for cleaning purpose		

Details :
Jagdish Thakral
Shri Hariram Export Pvt. Ltd. (Manufacturer)
Email: jthakral@kailashgroup.com
Phone : 07122734041

Product Name	Qty	Grade
Polyacrylamide		
Hydrochloric Acid		
Indutrial Safety Mask		

Details : Bulk requirement
Amit Dave
Amit International (Distributor)
Email : amitintl@zoho.com
Mobile : 9821323563

Product Name	Qty	Grade
Hydrazine Hydrate 80%		

Details : we have stock of our own imports
Anamika soni
Punjab Chemicals & Crop Protection Ltd (Manufacturer)
Email : anamika@punjabchemicals.com
Mobile : 9867724805

Product Name	Qty	Grade
EDTA Tetra Sodium Liquid	-	

Details :
Parthiv
Shiv Chem Industries (Manufacturer)
Email : chelateshivchem@yahoo.co.in
Tel.: 079-2282-3447

Product Name	Qty	Grade
Diflubenzurone	250 Kg 500 Kg	

Details :
CHANDRESH HAPANI
ANIMED (Distributor)
Email : animed6@yahoo.co.in
Mobile : 9830175616

Sales Enquiries

Product Name	Qty	Grade
Sulphur Powder		
Sulphur Roll		

Details : we are manufactuers of Sulphur powder and Sulphur roll
Adesh
J.K.Industries, Deoband (Trader)
Email : jkind.dbd@gmail.com
Mobile : 9412113914

Product Name	Qty	Grade
Mercuric Chloride		

Details :
Surendra Agrawal
Ankur Chemicals (Manufacturer)
Email : ankurchemical@yahoo.com
Mobile : 09352500959

Product Name	Qty	Grade
Personal Care		
Home Care		
Detergent raw materials		
APG		
Decyl glucoside		
Coco Glucoside		
Lauryl Glucoside		
Saurasoft 612 (Lipid Layer Enhancer)		
MES Liquid (Methyl Ester Sulphonate)		
PEG 400		
Defoamer		
Emusifier		
Wetting Agent		
Buffering agent - pH stabiliser		
Klenz B - Disinfectant Cleaner		
FW 351 - Glucoside based fruit and vegetable wash		
Saurawash 201 (Concentrated Glucoside based antimicrobial Hand Wash)		

Details :
Prashant Satpute
Sauradip Chemical Industries Pvt. Ltd. (Manufacturer)
Email : prashant.satpute@sauradip.com
Mobile : 09769015004

Product Name	Qty	Grade
Solvent Dyes (solvent yellow 82 & orange 62)		

Details :
Prakash Patel
NAVDURGA DYES & CHEMICAL (Manufacturer)
E-mail : navdurgadyes@gmail.com
Mobile : 9022673905

Product Name	Qty	Grade
Sanitizing Alcohol Swabs 70 percent IPA / 67-63-0 / 3005 / Isopropyl Alcohol / 70 percent / Medical	Bulk	Medical

Details :
Sameer Makhija
Mak Medicals Private Limited (Manufacturer)
Email : makmedicalsltd@gmail.com
Mobile : +91-987-140-8777

Product Name	Qty	Grade
Inorganic Salts		

Details :
Santosh Thakre
S S Fine Chem Laboratories (Manufacturer)
Email : ssfinechemlaboratories@gmail.com
Mobile : +91-986-777-4142

Product Name	Qty	Grade
Borax	Bulk	

Details :
Sandip Agarwal (Distributor)
Supreme Borochem Private Ltd
E-mail : sandip@sbpl.co.in
Mobile : +91-983-100-1334

Product Name	Qty	Grade
General Tablets and Liquid Syrup		
NSAIDs		
Cough syrup		
Narcotics formulation		
Antibiotics		

Details :
Nirav Patel
Indamed Pharmaceuticals Pvt. Ltd. (Manufacturer)
Email : indamedpharma@yahoo.co.in
Mobile : +91-968-787-7922

Contents

Visit our Leads Platform and Signup to upload your products. A one of it's kind platform in the chemical raw materials industry 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

Contact Information:
Tel: 91-981-9644-048
91-877-9830-330

Email: info@chemicalmarket.net

Published by
Parimal B. Parikh at
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 Busness Park, Ram Baug, Chincholi,
Off S. V. Road, Malad West, Mumbai - 400064
Phone: 98196-44048 / 91-877-9830330

EVs are the next revolution and the future.

Wondering why we have a picture of Tesla on the cover page? Well that's because we believe Electric cars are the future of the automobile world! It's a revolution and like always the chemical industry is going to lead it because electric cars works on batteries and batteries are build using chemicals. Back in the days, we had the radio revolution, the television revolution, the computer and internet revolution and this time it's the electric cars that has taken the entire world by storm and leading this is none other than the technology giant Tesla. I don't say it's the automobile giant, I say it's the technology giant in the automobile world.

The global sales have more than doubled in 2021. Prices of battery materials like lithium, nickel, manganese and cobalt surged and supply chains for these raw materials, most of which are sourced from other countries, became bottlenecked due to the pandemic. This also focused attention on the primary providers of the raw materials: countries like Congo and China; and raised questions about the human and environmental impact of extracting them from the earth. Well before the EV surge and battery material shortage, developing a commercially viable sulfur battery has been the battery industry's sustainable, high-performing white whale. This is because of sulfur's natural abundance and chemical structure that would allow it to store more energy. A recent breakthrough by researchers in Drexel's College of Engineering, published in the journal Communications Chemistry, provides a way to sidestep the obstacles that have subdued Li-S batteries in the past, finally pulling the sought-after technology within commercial reach. Their discovery is a new way of producing and stabilizing a rare form of sulfur that functions in carbonate electrolyte — the energy-transport liquid used in commercial Li-ion batteries. This development would not only make sulfur batteries commercially viable, but they would have three times the capacity of Li-ion batteries and last more than 4,000 recharges – the equivalent of 10 years of use, which is also a substantial improvement.

"Sulfur has been highly desirable for use in batteries for a number of years because it is earth-abundant and can be collected in a way that is safe and environmentally friendly, and as we have now demonstrated, it also has the potential to improve the performance of batteries in electric vehicles and mobile devices in a commercially viable way," said Drexel's Vibha Kalra, PhD, George B. Francis Chair professor in the College's Department of Chemical and Biological Engineering, who led the research.

Lotte Chemical plans to spend $500 million to expand output of battery materials and other chemicals at its complex in Daesan, South Korea. The company will build plants to make ethylene carbonate and dimethyl carbonate, solvents used as electrolytes in lithium-ion batteries. Lotte is also building a carbon-capture-and-liquefaction facility. The firm will use the 200,000 metric tons per year of captured CO2 to make the electrolytes. The company will also expand capacity for ethylene oxide adduct (EOA)—used as a water-reducing agent in concrete—by a third. It's also boosting capacity for high-purity ethylene oxide, a raw material for EOA. Let us discuss the basic chemicals involved in the making of a battery:

a) The Battery Casing: The basic idea behind sealing the battery with battery casing is to keep safe the battery body which is the basic source of converting chemical energy into electrical energy. This casing is produced in layers created from different raw materials and can incorporate one or two, for instance, polyethylene terephthalate layers, a polypropylene layer and a polymer layer, or layers of carbonized plastic.

b) The Battery Chemistry: In order to do its basic function of generating current to power the various devices, the battery must contain various types of chemical base, which vary according to the battery type:

i. Nickel-cadmium batteries utilizing Nickel and cadmium for long life, extended temperature range and high discharge rate.

ii. Zinc-carbon battery: Zinc carbon battery contains manganese dioxide as cathode, zinc as anode and zinc chloride or ammonium chloride as electrolyte.

iii. Lead-acid batteries: Lead acid batteries carry: lead dioxide and metallic lead as anode and sulfuric acid (electrolyte)

iv. Lithium-ion batteries: This type of battery can make use of variety of substances, however the best combination goes with carbon as anode and lithium cobalt oxide as cathode.

v. Reusable Alkaline batteries: The anode is a zinc powder, while cathode is made out of a manganese dioxide mixture. The battery gets its name from the potassium hydroxide electrolyte, which is a soluble substance.

c) The Battery's Electrolyte: Electrolyte is the medium that allows electron flow between the two electrodes (anode and cathode). Electrolyte is a conductive chemical made up of salt, base or acid dissolved in a solvent forming a solution that becomes the conductor of electricity. The chemicals which are electrolytes include: Sodium chloride, chloric acid, nitric acid, potassium nitrate, hydrochloric acid, potassium nitrate, sulfuric acid, sodium hydroxide, magnesium hydroxide and sodium acetate.

-Rajiv Parikh

At 6.2% CAGR, Conformal Coatings Market is Expected to Reach 1257.6 Mn by 2028 Says Brandessence Market Research

LONDON, Jan. 20, 2022 /PRNewswire/ -- According to Brandessence Market Research, the Conformal Coatings Market size reached USD 825.4 Million in 2021. Conformal Coatings Market size is likely to grow at 6.2% CAGR during 2021-2028 to reach 1257.6 Million by 2028 end. Rising usage of electronic products in arduous locations, growing digitalization of medical procedures, and increasing cost of electronics are some of the major factors driving the growth.

Conformal coating is a polymerized film that completely 'conforms' the printed circuit board assembly i.e. it is a coating that coats the printed circuit board and its electrical components without changing the shape and size of the Printed circuit board assembly. Printed Circuit boards (PCB) are setups used to mechanically bear the weight of electronic components of an electrical circuit while providing an electronic connection between them without the need for wires. The board structure without any electrical components is called a printed circuit board and when electric components are present on the board the entire setup is called PCB Assembly. Conformal Coating is a salient feature in printed circuit boards as conformal coating protects the printed circuit board from external damages. The conformal coating increases the lifetime of PCBs by making the PCB more robust. Applications of conformal coating are vastly varied. Some of the main applications of conformal coating include; aerospace, defense, automobile, robotics, and medical fields. The process of conformal coating is practiced since the 1980s.

Read the full report : https://brandessenceresearch.com/requestSample/PostId/1806

If you want your report abstract to be published please contact Info@dyeschemicalmarket.com

Crop Protection Chemicals Market to Advance at CAGR of 5.7% from 2021 to 2031; Rise in Application in Open Field & Protective Cultivation to Offer Lucrative Opportunities, Says TMR

ALBANY, N.Y., Jan. 25, 2022 / PRNewswire/ -- Herbicides, insecticides, fungicides, and bactericides are gathering traction for use in crop protection. New formulations have helped agriculturists fight against fluctuations in climatic conditions and bolster crop productivity eventually. Advancements in farming techniques have bolstered the use of crop protection chemicals in open field & protective cultivation, and horticulture. The valuation of the global crop protection chemicals market is projected to reach US$ 106.7 Bn by 2031.

The growing trend of insect pest management in organic farming systems has propelled the adoption of bio-based and non-toxic insecticides, thereby fueling sales of products in the market. Further, the need for safer and less toxic pesticides is propelling the demand for biopesticides, observes analysts in a TMR study on the crop protection chemicals market.

Regional norms and international regulations pertaining to health impacts of agrochemicals have led to the introduction of safe and non-toxic formulations, which has enriched the crop protection chemicals market landscape. Cases in point are stringent safety standards put forth by the Organisation for Economic Co-operation and Development (OECD) and Environmental Protection

Agency (EPA) to promote discerning use of agrochemicals in crop protection application.

Read the full report : https://www.transparencymarketresearch.com/sample/sample.php?flag=B&rep_id=293

If you want your report abstract to be published please contact Info@dyeschemicalmarket.com

Global Sodium Bicarbonate Market Report 2021-2026 - Increasing Demand for Sodium Bicarbonate in Pharmaceutical Industry Drives Market Expansion

Global Sodium Bicarbonate Market to Reach US$1.7 Billion by the Year 2026

The global market for Sodium Bicarbonate estimated at US$1.3 Billion in the year 2020, is projected to reach a revised size of US$1.7 Billion by 2026, growing at a CAGR of 5.2% over the analysis period. Growth in the global market is set to be driven by rising demand from several end-use industries. The strong demand for sodium bicarbonate is attributed to its easy availability and low production cost. The food & beverages industry is expected to continue representing one of the most attractive domains for sodium bicarbonate in the coming years.

The increasing demand for sodium bicarbonate in the industry can be credited to rising consumption of packaged and processed foods as a result of changing lifestyle and food preferences. The compound is widely used in the animal feed and nutrition industry and to de-color textiles. Some of the other prominent applications of sodium bicarbonate include leather, detergents, dyes and flue gas desulfurization. Sodium bicarbonate is also used in various personal care products as deodorizing agent.

Crystal/ Powdered Crystal, one of the segments analyzed in the report, is projected to grow at a 5.5% CAGR to reach US$1.5 Billion by the end of the analysis period. After a thorough analysis of the business implications of the pandemic and its induced economic crisis, growth in the Liquid segment is readjusted to a revised 4.3% CAGR for the next 7-year period. This segment currently accounts for a 12% share of the global Sodium Bicarbonate market. The crystal form of sodium bicarbonate is used as electrolyte replenishers, topical cleaning solutions, systemic alkalizer and buffering agent. Growth in the powder segment is favored by enhanced user convenience and increasing demand for sodium hydrogen carbonate within baking powder applications.

The U.S. Market is Estimated at $317 Million in 2021, While China is Forecast to Reach $352.1 Million by 2026

The Sodium Bicarbonate market in the U.S. is estimated at US$317 Million in the year 2021. The country currently accounts for a 23.92% share in the global market. China, the world's second largest economy, is forecast to reach an estimated market size of US$352.1 Million in the year 2026 trailing a CAGR of 6.3% through the analysis period. Among the other noteworthy geographic markets are Japan and Canada, each forecast to grow at 3.9% and 5% respectively over the analysis period. Within Europe, Germany is forecast to grow at approximately 4.2% CAGR while Rest of European market (as defined in the study) will reach US$371.8 Million by the end of the analysis period.

Asia-Pacific enjoys a dominant position in the market, buoyed by increasing demand for the compound from diverse industries including food & beverages, animal nutrition, pharmaceuticals, personal care and agriculture. The Asia-Pacific market is gaining from high dependence on poultry farming along with expansion of the personal care and pharmaceutical industries. The North American market is anticipated to benefit from rising uptake of sodium bicarbonate across the animal feed, pharmaceuticals, food, water treatment and pesticides industries. The regional market is also bolstered by increase in government funding to support R&D activity for finding novel application areas for the compound.

Slurry Segment to Reach $122.9 Million by 2026

Slurry form is used in pharmaceuticals and as an abrasive cleaning agent in industries. In the global Slurry segment, USA, Canada, Japan, China and Europe will drive the 3.6% CAGR estimated for this segment.

These regional markets accounting for a combined market size of US$73.2 Million in the year 2020 will reach a projected size of US$94.6 Million by the close of the analysis period. China will remain among the fastest growing in this cluster of regional markets. Led by countries such as Australia, India, and South Korea, the market in Asia-Pacific is forecast to reach US$15.4 Million by the year 2026, while Latin America will expand at a 4% CAGR through the analysis period.

Read the full report : https://www.researchandmarkets.com/r/tm63uw

If you want your report abstract to be published please contact Info@dyeschemicalmarket.com

Dr Achala Danait Appointed as Managing Director Clariant India Limited

MUMBAI, January 17, 2022 - Clariant, a focused, sustainable and innovative specialty chemical company announces the appointment of Dr. Achala Danait as Managing Director for Clariant India Limited.

Effective January 14, 2022, the Board of Directors of Clariant India Limited has appointed Dr. Achala Danait as Managing Director, in addition to her role of leading innovation in Asia Pacific for the Business Unit Industrial & Consumer Specialties. Clariant India Limited is a 100% subsidiary of Clariant AG, which includes the businesses of Additives, Functional Minerals, Industrial & Consumer Specialties and Mining Services.

Andy Walti, Region Head of China and Asia Pacific said: "With Clariant's newly announced Purpose, Greater Chemistry – between people and planet, and the focus on customer-centric, sustainability-driven innovations, we are confident that Achala will utilize her previous experiences to drive business growth in India. We wish her success in this role."

Achala has 30 years of experience across industry sectors and academia. She joined Clariant in 2013 as Head of Regional Innovation Centre in India and was instrumental in fostering an innovation mindset through several initiatives across the company. She has a Ph.D. in Polymer Chemistry from Indian Institute of Technology (IIT), Mumbai and is presently the Chairperson of the R&D Subcommittee of Indian Chemical Council and a mentor at Aspire For Her, a social start-up committed to changing the diversity equation in India.

Source : Chemical Market

Hohenstein Joins Texbase Connect

Bozeman, Montana; Boennigheim, Germany (January 13, 2022) – Texbase, Inc., a cloud-based data management platform for the textile and consumer product industries, announces a collaboration with the global textile testing partner, Hohenstein. As a Texbase Lab Connect partner, Hohenstein customers can collaborate, send test requests and receive test reports within Texbase Connect. In addition, data export files for digitized materials can be attached to their specific materials in the system. "Texbase has facilitated an improved workflow for our brand customers. Adding this system to our earlier OEKO-TEX® CertLink project gives our partners easy access to the data they need - in one location - instead of having to manage multiple emails," said Ben Mead, Managing Director, Hohenstein Institute America.

Hohenstein is a global leader in textile testing and innovation, specializing in applied research and development around the human - textile - environment interaction. Their lab testing determines compliance with legal requirements, standards, international specifications and internal quality guidelines. Hohenstein validates performance and safety claims through standard and customized testing and certifications.

"The addition of a respected lab like Hohenstein to the Texbase universe of lab partners is so exciting!" said Marci Yamasaki, Strategic Business Development, Texbase. "The ability for our customers to send and receive testing information with Hohenstein for all aspects of testing is validation of the power of the Texbase system."

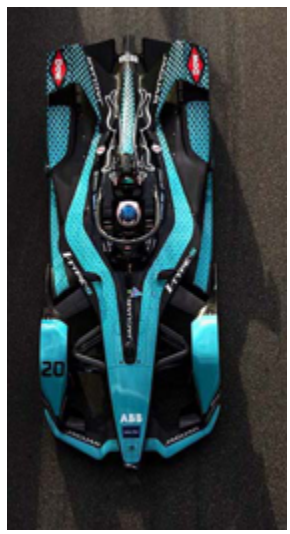
Source : Chemical Market

DOW INTRODUCES INNOVATIVE TECHNOLOGIES AND SUSTAINABLE SOLUTIONS AT AUTOMOTIVE WORLD 2022

TOKYO, Japan – January 19, 2022 – Dow (NYSE: Dow) is showcasing a host of innovative technologies tailored for the sustainable development of the auto sector at Automotive World 2022, which will be hosted at Tokyo Big Sight from January 19 to 21. This advanced automotive technology show combines multiple exhibitions and conferences covering important topics in the automotive industry.

"We are incredibly proud to be highlighting our solutions for customers at Automotive World 2022, one of the world's leading exhibitions for advanced automotive technologies," said Patrick McLeod, Chairman and CEO of Dow Toray Co. Ltd., Global Director – Geographic Development of Dow Consumer Solutions. "With 100 years of experience in the transportation industry, Dow continues to refine and expand our product portfolio to support customers' transformation toward EV and AV – providing greater reliability, safety and performance. By working together with our customers here in Japan – a key global hub for mobility solutions – we are helping them to meet their goals with new solutions that also offer enhanced sustainability."

The highlight of the company at Automotive World 2022 is Dow's material science expertise for vehicle electrification, as the official materials science partner of Jaguar TCS Racing. Dow played its part in Jaguar Racing's second-place team finish in the 2020/2021 Formula E World Championship, helping Jaguar to push the boundaries of sustainable mobility with materials that elevate performance. From its booth at the expo, Dow is presenting its expertise and commitment to the e-mobility and transportation industries through its MobilityScience™ platform, where advanced products and extensive services are tailored to meet specific customer needs with various applications of polyurethanes, acrylics, specialty chemicals and silicones.



Innovative Solutions for e-mobility Customers

Dow's specific solutions on display include materials that support ADAS; electronic control units (ECUs); products for batteries and power electronics to help manage thermal, adhesion, sealing and throughput challenges and achieve reliable protection and shielding; solutions for automotive lighting to help enable safer driving conditions; and an array of materials used to support electronics.

In ECU and battery solutions, DOWSIL™ EC-6601 Electrically Conductive Adhesive is a next-generation material engineered for reliable performance and electromagnetic compatibility (EMC) in various transportation, communications and consumer electronics applications. It combines strong shielding against electromagnetic interference (EMI) across a wide range of frequencies with durable mechanical and conductive properties over time.

For ECU and ADAS heat control, Dow is presenting its DOWSIL™ TC-45XX CV series of gap fillers. As automotive electronics contribute ever greater value to automotive safety, reliability, performance and comfort, they are also generating higher temperatures that can reduce the functionality and reliability of modules over time. Dow developed – and continues to broaden – a portfolio of silicone thermal conductive gap fillers with different levels of thermal conductivity that deliver greatly improved dispensability and stable performance for more reliable applications in harsh automotive under the hood environments.

DOWSIL™ TC-45XX CV series solutions include DOWSIL™ TC-4515 CV, DOWSIL™ TC-4525 CV and DOWSIL™ TC-4535 CV which are designed to provide a reliable cooling solution for modules like an engine or transmission control unit, and DOWSIL™ TC-4551 CV, a new thermal conductive gap filler for automotive power and sensitive electronic automotive applications.

Meanwhile, DOWSIL™ EA-4700 CV Adhesive is Dow's new silicone solution for transportation assembly. This adhesive delivers durable, rapid, room temperature adhesion. Through new

formulation techniques, DOWSIL™ EA-4700 CV eliminates the need for heat cure ovens whilst exhibiting a fast cure profile with reasonable open times. This new advanced assembly solution compliments the increasingly popular use of plastic substrates within transportation assembly as its properties allow for bonding quickly to traditional metals and plastics including, aluminum, PBT, and PPS.

Sustainable Impact with Advanced Technologies

Throughout its product display at Automotive World 2022, Dow is showcasing its commitment to address the needs for low carbon mobility through cutting-edge material science technologies and close collaboration with customers. Dow's companywide commitment is to reduce its net annual carbon emissions by an additional 15 percent, with a reduction of approximately 30 percent by 2030, and carbon neutrality by 2050.

Source : Dow

SK INNOVATION COLLABORATES WITH GEORGIA TECH IN THE U.S. TO ADVANCE THE ERA OF ALL-SOLID-STATE BATTERY

Cooperates with Professor Lee Seung-woo, whose thesis was introduced in the world-renowned academic journal, 'Nature,' on January 13, 2022

– Solid electrolyte with excellent ionic conductivity and elasticity, which secures both performance and safety

- SK Innovation accelerates the development of all-solid-state-batteries backed by the cooperation with Nobel Prize Winner Professor Goodenough, and Solid Power
- Lee Seong-jun, head of the Institute of Environmental Science and Technology, said, "We will move up the era of all-solid-state-batteries, which are also called 'dream batteries', by cooperating with Professor Lee Seung-woo's research team who achieved a remarkable research result to build up our technological competitiveness and contribute to a greater convenience for humanity"

On January 16 (KST), 2022, SK Innovation disclosed that it had committed to collaborating with a research team led by Professor Lee Seung-woo of Georgia Tech in the United States to advance the era of next-generation all-solid-state batteries.

All-solid-state battery is a battery that uses solid electrolyte instead of the liquid electrolyte that is currently used. It is in the spotlight as a future battery since it has the potential to dramatically reduce the weight, volume, and risk of fire while increasing battery capacity. It is called a 'dream battery' because there are still many challenges to overcome until development, but SK Innovation and Professor Lee's research team have established a cooperative system in the all-solid-state-battery field, which can be a 'game changer' in the EV market.

Professor Lee Seung-woo is a great scholar in the field whose thesis was introduced in the world-renowned academic journal, 'Nature' on January 13 (local time), 2022, for his pioneering rubber-type high polymer solid electrolyte developed jointly with KAIST.

The solid electrolyte developed by Professor Lee boosts the ionic conductivity 100 times, which was considered a drawback of the existing solid electrolyte while securing rubber-like elasticity and being operable at room temperature. The ionic conductivity refers to how well ions can move inside a battery. If the ionic conductivity is increased, lithium ions can be rapidly transferred inside the battery, which results in better battery performance. Furthermore, the great elasticity of solid electrolytes contributes to securing safety since it protects the electrolyte from dendrites, a phenomenon in which lithium forms inside the battery cell in the shape of sharp-ended tree branches.

Realizing a solid electrolyte that simultaneously ensures ionic conductivity and safety while functioning at room temperature has been regarded as the most demanding challenge, Professor Lee's solid electrolyte is evaluated as a groundbreaking achievement. If the technology is introduced, it is expected that the driving range of an electronic vehicle, which is currently about 500km, will be enhanced by 800km on a single charge.

SK Innovation expects to accelerate the development of all-solid-state batteries by adding the existing all-solid-state battery technology that it has independently secured and Professor Lee's research results.

SK Innovation is not only conducting its own research but putting efforts to develop all-solid-state batteries actively cooperating with various groups. Last October, it has started to work with Solid Power, USA, to develop all-solid-state batteries that can be made in the current lithium-ion battery production facilities. Since 2020, it has been working in collaboration with the Nobel laureate Professor John B. Goodenough.

Lee Seong-jun, Head of SK Innovation's Institute of Environmental Science and Technology, said, "In collaboration with Professor Lee Seung-woo's research team who achieved a remarkable research result, we will move up the era of all-solid-state-batteries, which are also called 'dream batteries' to build up our technological competitiveness while contributing to a greater convenience for humanity."

SOURCE : SK Innovation

ELECTRIC CARS THEY MUST BE SAFE AND LIGHTWEIGHT

By October 1, 2021, around 1 million electric cars had been registered in Germany. Of these, according to statista.com, 517,000 cars were powered solely by electrical energy, while 494,000 were plug-in hybrids. Therefore, in order to meet the goal of 15 million fully electric cars, the development of the cars and the charging infrastructure needs to be driven forward significantly.

The research and development work to achieve this is already proceeding at top speed. But on top of the chip shortage and lack of charging stations, there are further challenges that need to be overcome. These include:

- Ensuring the safety of the occupants, emergency services, and mechanics in every situation.
- Meeting extremely stringent requirements concerning flame-retardant properties in case of a fire.
- Improving the range through lightweight solutions.

As a specialty chemicals company, LANXESS offers a host of products and potential solutions for these challenges. Many of them even from a single source.

Greater safety under the hood

Vehicles with electric drives are naturally exposed to higher voltages and currents than combustion engines. Voltages of up to 400 V DC in the battery circuit and up to 1,000 V AC in the engine circuit are possible, with AC voltages exceeding 42 V and DC voltages exceeding 60 V already considered potentially life-threatening.

In electric cars, the live components of the electric drive are colored orange. It must be possible to identify them as dangerous. Our new colorant Macrolex Orange HT is precisely the right orange tone for this purpose. This color is increasingly being used to mark live cables in electric and hybrid vehicles as well as components for high-voltage applications. The signal color is intended to alert mechanics and emergency services to the potential danger of electric shock.

Macrolex Orange HT is highly suitable for use in polyamides, but it can also be used to color other types of plastic such as polycarbonate or polyphenylene sulfide, which often pose a challenge for colorants due to their high processing temperatures.

Dr. Lars May, Head of Application Technology Plastics in the Polymer Additives business unit, LANXESS "We have already extensively tested our new products under realistic conditions. In cooperation with our High Performance Materials business unit, we colored compounds with Macrolex Orange HT at the plastics technical center in Dormagen and tested them for their suitability in plastics processing."

In addition to high-voltage applications, Macrolex Orange HT can also be used to color other plastic products such as housings for tools and other electronic devices as well as technical plastics for vehicle parts and structural applications. Macrolex Orange pigments for coloring plastics for high voltage applications

Secure connections in numerous colors

Cable harnesses run the length and breadth of the vehicle and bundle all the various on-board power supply lines for electric and electronic functions such as power converters, battery charging systems, electric drives, and infotainment systems. Cable harnesses are among the most complex assemblies found in electric vehicles.

The total length of the cables can reach several kilometers, which is one of the reasons why cable harnesses are so heavy. The complexity of cable harnesses makes them extremely expensive components, which is why the connectors must not break during installation.

To distinguish more easily between the many connectors during installation and maintenance, they must be marked in different colors. At the same time, they have to be flame-resistant and mechanically robust.

It is precisely for these connector applications that our product developers designed the technical plastic Durethan BKV30FN04. A polyamide 6 that has already been tried and tested in numerous series applications – including in cable harnesses for various electric models produced by a European-US automotive manufacturer. One further benefit is that the material is halogen-free.

Dr. Stefan Theiler, Application developer for plastics, Business Unit High Performance Materials, LANXESS "The compound and color exhibit a high level of heat stability, which means that the connectors can be easily and reliably distinguished by color throughout the vehicle's entire service life."

Durethan BKV30FN04 is used for connectors not only in the field of electromobility, but also in signal transmission technology and industrial engineering.

Lightweight solutions – For electric

cars more than ever

Connector made from Durethan BKV30FN04 for cable harnesses in electric models produced by a European-US automotive manufacturer. The halogen-free flame-retardant polyamide 6 can also be dyed in bright colors like orange (RAL 2003) In a research collaboration lasting multiple years, LANXESS and Kautex Textron GmbH & Co. KG have been exploring whether high-voltage battery housings for electric vehicles can be designed and produced with technical thermoplastics. Together they have developed a close-to-production technology demonstrator in a feasibility study. Measuring around 1,400 millimeters in both length and width, this is a technically sophisticated, large-format all-plastic housing part. The weight is in the mid-double-digit kilogram range.

The aim of the project was to illustrate the advantages of thermoplastics over metals in terms of weight and cost reduction, functional integration, and electrical insulation properties.

"In the process, we did not use any metallic reinforcement structures whatsoever. It was also about highlighting ways to produce the large, complex parts economically." Felix Haas, Director Product Development bei Kautex Textron

As a next step, both partners want to use the results of the collaboration to enter into development projects for series production with car manufacturers.

Battery module housings: lightweight and flame-resistant

Depending on the cell type, the very large HV battery housing often contains several modules in which the cells are mounted. For this purpose, we have developed a battery module housing together with the Korean automotive parts manufacturer INFAC.

The battery housing is made of Durethan BKV30FN04. The technical plastic based on polyamide 6 is halogen-free, flame-retardant, and glass-fiber reinforced. The advantages:

- It is particularly flame-retardant,
- has excellent electrical properties,
- is very easy to process, and
- enables the integration of complex functions that are required for the housing parts.

All of that results in a smaller number of parts, a simplified assembly process, and reduced weight, too.

The new battery housing component is already being used in the series production of electric vehicles. One model series for a Korean car manufacturer was launched on the market in 2021.

Michael Rockel, Head of Business Unit High Performance Greater ChinaMichael Rockel, Head of High Performance Materials in the Asia-Pacific region "The success achieved with the series production of battery housings shows the outstanding performance of Durethan in relation to batteries for electric vehicles. Here, technology and safety are of prime importance. Our high-performance plastics will make a significant contribution to the market development of electric vehicles and batteries."

In addition to thermal management, the damping for protecting the battery from external impacts is key for the battery module housing. Durethan BKV30FN04 is not only mechanically robust. It is also effective in insulating against high voltages of up to 800 V and the corresponding current if the part is designed accordingly. With its highly flame-retardant properties, it prevents or delays the spread of flames in the event of a fire.

That´s the future

If you observe the automotive industry, you quickly see that new models are constantly being unveiled. The selection is becoming wider. Not least due to the EU Commission's call to reduce CO2 emissions to zero by 2035, the combustion engine is coming to the end of the road. Subsidies are intended to work against it while promoting sales of electric cars. Many things will change in the coming years. And LANXESS will be part of the change. We are looking forward to it.

Source : Chemical Market

U.S. FDA APPROVES PFIZER'S CIBINQO® (ABROCITINIB) FOR ADULTS WITH MODERATE-TO-SEVERE ATOPIC DERMATITIS

NEW YORK--(BUSINESS WIRE)--Pfizer Inc. (NYSE: PFE) announced today that the United States (U.S.) Food and Drug Administration (FDA) approved CIBINQO® (abrocitinib), an oral, once-daily, Janus kinase 1 (JAK1) inhibitor, for the treatment of adults living with refractory, moderate-to-severe atopic dermatitis (AD) whose disease is not adequately controlled with other systemic drug products, including biologics, or when use of those therapies is inadvisable.

CIBINQO is approved at the recommended doses of 100 mg and 200 mg, with the 200 mg dose being recommended for patients who are not responding to the 100 mg dose. Additionally, a 50 mg dose was approved to treat moderate-to-severe AD specifically in patients with moderate renal impairment (kidney failure), certain patients receiving treatment with inhibitors of cytochrome P450 (CYP) 2C19, or patients who are known or suspected to be poor metabolizers of CYP2C19. For patients with moderate renal impairment who are not responding to 50 mg once daily, 100 mg once daily may also be prescribed.

"The reality for patients living with chronic inflammatory skin disease such as moderate-to-severe atopic dermatitis is that many experience debilitating symptoms that are not managed by current treatment options. Today's approval of CIBINQO will provide an important new oral option that could help those who have yet to find relief," said Jonathan Silverberg, MD, PhD, MPH, Department of Dermatology, The George Washington University School of Medicine and Health Sciences. "In multiple large-scale clinical trials, CIBINQO demonstrated strong efficacy at clearing skin, improving itch, and managing the extent and severity of eczema, offering a benefit-risk profile that supports the use of this treatment in the FDA-approved patient population."

The FDA approval was based on results of five clinical trials from a large-scale clinical trial program of more than 1,600 patients. The safety and efficacy of CIBINQO was evaluated in three randomized, placebo-controlled, Phase 3 trials. Additionally, safety was evaluated through a randomized, placebo-controlled, dose-ranging trial and an ongoing long-term open-label extension trial. Across the trials, CIBINQO demonstrated a consistent safety profile and profound improvements in skin clearance, extent of disease, and severity, as well as rapid improvement in itch after two weeks, for some people living with AD versus placebo. In addition, a higher proportion of subjects treated with CIBINQO in two monotherapy trials achieved improvement in itching at week 12 compared to placebo.

"The FDA's approval offers hope to the millions of patients across the U.S. who are suffering daily with an immuno-inflammatory condition that can cause intense and persistent itching, pain, discomfort, and distress if left uncontrolled," said Mike Gladstone, Global President of Pfizer Inflammation & Immunology. "CIBINQO, an efficacious once-daily pill, is a medical breakthrough made possible by Pfizer researchers and the people living with moderate-to-severe atopic dermatitis who participated in our clinical trials."

"Atopic dermatitis is so much more than just a rash, and it goes beyond the surface of the skin. It's a chronic condition that can both significantly disrupt patients' daily lives and negatively impact their emotional well-being," said Julie Block, President and CEO, National Eczema Association. "We appreciate Pfizer's commitment to this resilient patient community and eagerly await the positive impact CIBINQO could have on the treatment landscape for moderate-to-severe atopic dermatitis."

The most common adverse events reported in ≥5% of patients with CIBINQO included nasopharyngitis (12.4% with CIBINQO 100 mg, 8.7% with CIBINQO 200 mg, and 7.9%, with placebo), nausea (6%, 14.5%, and 2.1%, respectively), and headache (6%, 7.8%, and 3.5%, respectively).

Source : Pfizer

TEZSPIRE™ (TEZEPELUMAB-EKKO) NOW AVAILABLE IN THE UNITED STATES FOR THE TREATMENT OF SEVERE ASTHMA

THOUSAND OAKS, Calif., Jan. 13, 2022 /PRNewswire/ -- Amgen (NASDAQ:AMGN) and AstraZeneca today announced TEZSPIRE™ (tezepelumab-ekko) is now available for shipment to wholesalers in the U.S. TEZSPIRE was approved by the U.S. Food and Drug Administration (FDA) on Dec. 17, 2021 for the add-on maintenance treatment of adult and pediatric patients aged 12 years and older with severe asthma.1

"Severe asthma has historically been a complex disease for patients to manage and for physicians to treat," said Murdo Gordon, executive vice president of

Global Commercial Operations at Amgen. "About 60 percent of people have multiple drivers of disease and may not respond well to existing treatments. TEZSPIRE was approved for a broad population of people living with severe asthma, and we look forward to getting this important medicine into the hands of millions of patients who have had an unmet medical need."

TEZSPIRE is a first-in-class biologic for severe asthma that acts at the top of the inflammatory cascade by targeting thymic stromal lymphopoietin (TSLP), an epithelial cytokine.2 TEZSPIRE is the first and only biologic for severe asthma that does not have a phenotype—eosinophilic or allergic—or biomarker limitation within its approved label.4-11 TEZSPIRE consistently and significantly reduced asthma attacks across Phase 2 and 3 clinical trials which included a broad population of severe asthma patients irrespective of key biomarkers, including blood eosinophil counts, allergic status and fractional exhaled nitric oxide (FeNO).2,3

The most common adverse reactions (incidence ≥3% and more common than placebo) of TEZSPIRE are pharyngitis, arthralgia, and back pain.1 Amgen and AstraZeneca are committed to providing appropriate patients who are prescribed TEZSPIRE with affordable access to the medicine. The Tezspire Together Program offers provider and patient product resources and support, including information related to coverage, reimbursement and distribution. For more information about the Tezspire Together Program, call 1-888-TZSPIRE (1-888-897-7473) or visit Tezspire.com.

Amgen and AstraZeneca also provide patient assistance for TEZSPIRE for qualifying individuals with no or limited drug coverage by providing free medicines through the Tezspire Patient Assistance Program. For additional information, patients and caregivers may contact Tezspire Together.

Source : Amgen

EISAI TO LAUNCH DIGITAL TOOL "COGMATE™" IN TAIWAN AND HONG KONG FOR SELF-ASSESSMENT OF BRAIN PERFORMANCE (BRAIN HEALTH)

Eisai Co., Ltd. (Headquarters: Tokyo, CEO: Haruo Naito, "Eisai") announced today that its Taiwanese subsidiary Eisai Taiwan Inc. and Hong Kong subsidiary Eisai (Hong Kong) Co., Ltd. have launched "CogMateTM", a digital tool (non-medical device) for self-assessment of brain performance (brain health). In Taiwan and Hong Kong, the both subsidiaries target corporate customers such as municipalities and corporations in the sales. This will be the first release of "CogMate" in the Asian region (excluding Japan). In the near future, "CogMate" will be launched in countries such as Singapore. "CogMate" is a multilingual overseas model of "NouKNOW®"(product name in Japan), a digital tool (non-medical device) for self-assessment of brain performance, developed and distributed by Eisai using the cognitive function test "Cogstate Brief BatteryTM" (CBB) created by Cogstate, Ltd. (Headquarters: Australia). For the Asian region, "CogMate" is equipped with multilingual functions such as Chinese (Traditional Chinese) and English.

"CogMate" is conducted through a simple card test using a PC, tablet device or smartphone to quantitatively measure brain performance in four checking items evaluating psychomotor function, attention, learning and memory, and working memory. Users can self-assess and in a short time frame (approx. 15 minutes), enabling regular assessments in instances such as daily life and health checkups. On the screen showing the measurement results, a score (brain performance index (BPI)) - as a measurement of quantified brain performance aspects such as memorization, cognition, and decision - appears along with lifestyle advice for maintaining brain performance.

In Asia, with the rapid aging of the population in recent years, the total number of those living with dementia across the region is expected to increase year by year. With regard to dementia, in addition to medical expenses, the burden on the family and the social burden are heavy, which has become a social issue.

With the launch of "CogMate", Eisai will promote self-check and prevention activities for the maintenance and improvement of brain performance toward constructing an ecosystem to realize supporting people living with and preventing dementia in Asia. Eisai will continue to focus on delivering solutions to The People, including not only those living with dementia but also society at large, to remove the anxiety associated with dementia.

Source : Eisai Co

POLYPLASTICS INTRODUCES INNOVATIVE BONDING TECHNOLOGY TO JOIN DIFFERENT RESIN MATERIALS

TOKYO, Jan. 20, 2022 /PRNewswire/ -- Polyplastics Co. Ltd., a leading global supplier of engineering thermoplastics, has introduced an innovative bonding technology that is unlike traditional joining methods such as plastics welding or adhesion. AKI-Lock (R) has few restrictions on the materials that can be used and forms strong, airtight bonds with combinations of different materials for which bonding had previously been difficult

AKI-Lock (R) opens the door to a broad range of new product development possibilities. This bonding technology meets the increased market demand for weight reduction to address the U.N. SDGs (Sustainable Development Goals), reduces the number of parts, and provides stable adhesive strength and longevity.

The AKI-Lock (R) technology uses the glass fibers in glass fiber-reinforced resins as a physical anchor for bonding. Glass fiber is made bare by laser irradiation which is completed in a grid pattern. Strong bonds can then be achieved by pouring the resin to be bonded onto these anchors. Since the bond is formed by physical anchors, there is no time limitation from laser treatment until bonding. Masking is unnecessary since specific treatment areas can be identified. There is no need for etching solution to roughen the surface and no waste liquids or materials are produced.

Airtightness is greatly enhanced due to three factors: the effect of resin entering and filling the gaps between the glass fibers; deformation in the grooves of the primary material due to the shear flow force of the secondary material; and crimping from mold shrinkage of the secondary material.

AKI-Lock (R) helps to reduce assembly work and the number of components, thus lowering overall cost. The joining system also helps to reduce an environmental impact through the use of dry processes, including the elimination of adhesives.

For more information, visit: https://www.polyplastics-global.com/en/approach/9.html

Source : PRNewswire

COVESTRO AND GENOMATICA PRODUCE IMPORTANT CHEMICAL RAW MATERIAL USING BIOTECHNOLOGY

Breakthrough for HMDA, widely-used ingredient, paves the way for more sustainable coatings, apparel, adhesives and plastics

Material manufacturer Covestro and biotechnology pioneer Genomatica announced an important industry milestone to advance sustainability resulting from their partnership. The two companies have teamed to be the first to successfully produce significant volumes of a plant-based version of the chemical raw material HMDA (hexamethylene diamine).

HMDA, with a worldwide market of 2 million tons per year, is a key ingredient for a widely-used type of nylon (nylon-6,6), as well as an important component for raw materials for coatings and adhesives from Covestro. Up to now, HMDA has been manufactured from fossil feedstocks. Coatings and adhesives can be produced more sustainably thanks to bio-based HMDA, made from renewable feedstocks. Areas of application include automotive, construction, furniture, textiles and fibers.

Teams from Genomatica and Covestro have been working together to develop a commercial process technology for bio-based HMDA. The companies expect to produce ton quantities of high-quality material over the course of multiple production campaigns. Both partners are already processing and testing material from their initial production campaigns, and the resulting bio-HMDA is of high purity and quality. The companies plan to advance the program to full commercial scale, and Covestro has secured an option from Genomatica to license the resulting integrated GENO™ HMD process technology for commercial production.

Genomatica develops widely-used ingredients and materials using biotechnology and renewable, plant-based feedstocks rather than fossil feedstocks

and their associated extractive processing methods. These materials are used by brands and their suppliers in popular goods ranging from apparel to cosmetics. Covestro brings extensive know-how in the field of research, chemical process technology and application development. The cooperation for the development of alternative raw materials based on biotechnology advances Covestro's global program to achieve the circular economy.

Covestro established an R&D Competence Center for biotechnology to further strengthen its overall know-how in this field. Bio-based raw materials and biotechnology have also been identified as one of five focus areas at Covestro´s Venture Capital (COVeC) approach.

"The increased use of alternative raw materials, including the utilization of biotechnology, is an important pillar of our approach to fully embrace the circular economy and help make it a global guiding principle," says Covestro CEO Dr. Markus Steilemann. "Our program with Genomatica, which complements our internal R&D, is one of our largest external funding of biotechnology R&D to date, and underscores both the field's importance to Covestro and the results it can deliver."

Replacing fossil-based raw materials

"This program is of great importance to us, because markets are increasingly asking for more environmentally compliant products based on renewable raw materials, which are just as powerful as their fossil-based alternatives," says Dr. Thorsten Dreier, global head of the Covestro business entity Coatings & Adhesives. "We can reduce this dependence on fossil feedstocks with innovative technology and our partnership. With a purely plant-based HMDA, we can significantly advance our corporate objective of CO2-neutral production."

"Genomatica is committed to delivering a portfolio of sustainable materials that can help any brand reduce the carbon footprint of its products while maintaining the performance customers count on," said Christophe Schilling, Genomatica CEO. "Covestro is a valued partner that is playing a leading role in improving the environmental impact of many of today's most prevalent materials. Together, we are taking an important step to reduce greenhouse gas emissions for a broad range of products we use in daily life."

Source : Covestro

AIR PRODUCTS TO HIGHLIGHT ITS LATEST INNOVATIONS IN CRYOGENIC FREEZING AT THE INTERNATIONAL PRODUCTION & PROCESSING EXPO IN ATLANTA

LEHIGH VALLEY, Pa., Jan. 24, 2022 /PRNewswire/ -- Air Products (NYSE:APD) will highlight its latest innovations in freezing at the International Production & Processing Expo (IPPE) in Atlanta, Georgia from January 25-27. Among the technologies featured will be Air Products' Freshline® MP-Plus freezer for rapid crust or full freezing, and the Freshline® Bottom Injection Cooling System, which can use nitrogen or carbon dioxide (CO2) to chill meat mixers for improved processing speed, quality, and hygiene through an exclusive clean-in-place system. Air Products will also showcase its Freshline® Gas Smart Monitoring and Gas Safety Systems throughout its exhibit. IPPE attendees are invited to stop by Air Products' booth BC 9201 to speak with knowledgeable food specialists about the specific challenges in their day-to-day operations. Air Products provides a range of cryogenic freezing and chilling solutions, using nitrogen or CO2 that can offer meat and poultry processors numerous benefits over alternative systems, including faster freeze times, increased throughput, and improved product quality.

For more than a half-century, liquid nitrogen and CO2 have been used to chill products to the ideal forming temperature. In the food industry, liquid nitrogen and CO2 are commonly used to power tunnel and spiral freezers for the final preservation of food before it is packaged and shipped. These freezers offer customers smaller footprints and significantly lower cost compared to mechanical systems. Air Products also offers gaseous solutions including controlled atmosphere stunning, wastewater treatment, modified atmosphere packaging (MAP), and inerting.

A leader in cryogenic technology applications, Air Products operates food laboratories in the U.S., Europe and Asia, where the company can test a customer's product on commercial-scale equipment to determine the feasibility of using cryogenic freezing or chilling for their specific process, and also quantify the cost benefits of using cryogenics. The company also provides engineering services, as well as on-site testing capability and processing audits to reduce cryogen consumption.

Source : PRNewswire

ARCHROMA AND JEANOLOGIA LAUNCH ECO-CONSCIOUS DENIM CLEANING

Pratteln, Switzerland, 17 January 2022 - Archroma, a global leader in specialty chemicals towards sustainable solutions, and Jeanologia, a world leader in sustainable and efficient technology development, joined forces to launch an eco-advanced alternative to the denim fabric washing process, including in some cases the mercerization, one of the most water-intensive and pollutant processes of denim fabric finishing.

The production of denim requires a succession of several steps aimed at imparting the qualities we love in our favorite pair of jeans.

It all starts with the spinning step where the cotton is turned into yarn. The second step is a pretreatment that will prepare the yarn for the dyeing step. The dyed yarn then goes through the sizing process, which is a treatment preparing it for weaving. At this stage, we have obtained a denim fabric that will go through a few more steps. First, the fabric may undergo a washing treatment or, in some cases, mercerizing treatment which consists of treating it with caustic soda in order to obtain a more lustrous, flat and less reddish blue and black denim.

In both traditional ways to clean the fabric, washing or mercerizing, multiple highly water intensive washings are required in order to restore optimal fabric pH and remove unfixed dyestuff and any undesired deposits or impurities from the fabric. One of such impurities released in the washing process is aniline, a substance that is classified as a category 2 carcinogen and considered toxic to aquatic life.

That is why Archroma and Jeanologia decided to team up and develop an alternative to the traditional fabric cleaning process and its subsequent water-intensive and water-polluting washings.

The breakthrough alternative to the fabric cleaning concept presented by Jeanologia and Archroma combines the use of the aniline-free* PURE INDIGO ICON dyeing system of Archroma, and the water-free** and chemical-free "G2 Dynamic" finishing technology of Jeanologia.

The Archroma PURE INDIGO ICON is based on an innovation launched by the company in May 2018: its aniline-free* Denisol® Pure Indigo. Aniline is a key ingredient to make the indigo molecule. Unfortunately, during this process some aniline impurities are carried through into the indigo dyestuff. When the indigo is dyed on the fabric, a lot of the aniline impurity is locked into the pigment in the fabric. The remainder of the aniline impurity, approximately 300 metric tons annually, is discharged during dyeing. This can be an issue as aniline is toxic to aquatic life. In addition, exposure levels to factory workers can be high. The new Denisol® Pure Indigo 30 liq was therefore developed as an aniline-free(1) indigo solution for designers, manufacturers and brand owners who long for authentic indigo inspiration.

The Jeanologia G2 Dynamic was introduced in 2008. The market-first ozone treatment for continuous fabric dramatically reduces the amount of water and chemicals used, while at the same time saving costs at the mill and eventually at the garment finishing facilities. This technology makes fabric more stable and consistent and prepares the fabric better for the use of other technologies like laser. As presented a few months ago in partnership with Archroma, this machinery can be used along with Pad-Ox technology to help cleaning fabric thus improving fastness results, at room temperature with significant savings in energy and CO2.

The Archroma/Jeanologia solution allows to create aniline-free* denim, and improve the final aspect of the fabric through a fully chemical-free and almost water-free** cleaning alternative treatment.

The Archroma/Jeanologia solution can also be used with additional Archroma coloration systems such as INDIGO REFLECTION or PURE UNDERSTONES.

Umberto Devita, Business Development Manager at Archroma's Competence Center for Denim & Casual Wear, who was the project leader for this new development, comments: "At Archroma, we strive to develop solutions in line with our principles of "The Archroma Way to a Sustainable World: Safe,

efficient, enhanced, it's our nature". It was therefore very inspiring to work with a partner who shares the same values of developing efficient new processes to bring all know-how to our customers to maximize value – for denim that looks as good as the good it creates."

For Jean-Pierre Inchauspe, Business Director of G2 Dynamic at Jeanologia, "this association is another step to change traditional, more polluting and water consuming processes in the textile industry for new ones using technology, improving, and boosting subsequent production stages up to the finishing of the garment, making them more efficient and allowing companies to be more competitive, increase productivity and offer a product that is completely sustainable with high quality."

Source : Chemical Market

SABIC'S NEW ISCC+ CERTIFIED BIO-BASED LNP™ ELCRIN™ COPOLYMER RESIN HELPS THE CONSUMER ELECTRONICS INDUSTRY ACHIEVE NET-ZERO CARBON EMISSION GOALS

SABIC, a global leader in the chemical industry, has introduced LNP™ ELCRIN™ EXL7414B copolymer, the company's first bio-based polycarbonate (PC) copolymer to help advance the consumer electronics industry's net-zero carbon emissions goals. The new copolymer is the first grade in an expanding portfolio to secure the International Sustainability and Carbon Certification Plus (ISCC+) designation. It is formulated with over 50 percent bio-based content from waste materials, which do not compete with the food chain, according to the mass balance approach. A preliminary SABIC internal assessment indicates that each kilogram of the new bio-based resin provides two kilograms of CO2 reduction as compared to the fossil-based alternative. LNP ELCRIN EXL resin joins SABIC's fast-growing bio-based materials offering, which also includes ULTEM™ resins and LNP™ THERMOCOMP™ compounds.

The prestigious Chinese brand realme chose LNP ELCRIN EXL7414B copolymer resin for the battery cover of its brand-new GT 2 Pro smartphone that launched on Jan. 4, 2022, in China. "Our collaboration with SABIC to successfully incorporate this new bio-based copolymer in our GT 2 series smartphone has helped us achieve competitive differentiation and a stronger sustainability posture," said Chase Xu, Global Vice President and Chief Marketing Officer, realme. "The use of bio-based materials is an important selling point for consumers, who increasingly seek out sustainable products. Further, the adoption of LNP ELCRIN EXL copolymer resin has enabled our company to advance its environmental goals without any compromise in product performance. This application is the latest result of our productive, ongoing relationship with SABIC."

Realme was the first consumer electronics brand to adopt the incumbent version of this material, LNP™ ELCRIN™ EXL7414 resin, which was used to mold the battery cover of its C25 smartphone. Demonstrating its continuing innovation, realme is now one of the first electronics companies to use a bio-based copolymer. The new SABIC copolymer provides the same outstanding properties and processing as its predecessor, enabling a seamless transition for realme.

"The development of bio-based thermoplastics is an important part of SABIC's overall sustainability strategy, which also encompasses chemical upcycling and mechanical recycling," said Maureen MacDonald-Stein, Director, Growth OEM, Specialties, SABIC. "We are applying the full scientific and technical resources of the company to create and deliver new materials that can help customers like realme achieve goals such as emissions and energy reductions, plastic waste avoidance and regulatory compliance."

SABIC'S SUSTAINABILITY + HIGH PERFORMANCE

In addition to lowering carbon footprint by reducing the use of fossil-based feedstocks, LNP ELCRIN EXL7414B copolymer resin delivers exceptional performance for demanding electronics applications. It uses a non-brominated, non-chlorinated flame retardant formulation that meets the UL 94 V0 standard at 0.6 mm.

Both LNP ELCRIN EXL7414 and new LNP ELCRIN EXL7414B copolymer resins help address the harmonized International Electrotechnical Commission's new IEC 62368-1 standard, which replaced the previous IEC 60065 Audio Video and IEC 60950 IT Equipment standards with stronger safety requirements. For example, this new standard, which took effect in December 2020, requires hazardous energy sources such as lithium-ion batteries to be contained via built-in safeguards to help prevent the energy from transferring to device users.

The excellent processability of the bio-based LNP ELCRIN EXL7414B copolymer resin enables ultra-thin part designs that save weight and space, and offers opportunities for shorter cycle times and higher throughput vs. standard PC. The new material also provides excellent

low-temperature ductility (-40^0 C) for impact strength when a device is dropped, and good chemical resistance to withstand ultraviolet (UV)-cured painting.

"Our new bio-based copolymers can be particularly beneficial to the consumer electronics market," said Joshua Chiaw, Director, Business Management, LNP & NORYL, SABIC. "They combine sustainability with exceptional performance to address key trends for electronic devices, including smaller, thinner designs, increasingly stringent safety regulations and strong consumer preferences for environmentally responsible products. To further support this important sector and the electrical/electronics industry as a whole, SABIC plans to add new grades to our bio-based LNP ELCRIN EXL family."

Source : Sabic

MERGERS AND ACQUISITIONS

DKSH PROVIDES SOLUTIONS BY PRINTERS SUPPLY COMPANY IN INDIA AND BANGLADESH

DKSH has signed an exclusive agreement with Printers Supply Company to promote their printing solutions in the East India region and Bangladesh. This partnership is in line with the strategic focus of DKSH Business Unit Technology to solidify its position as a leading integrated solutions provider for the packaging, printing, and converting market.

Mumbai, India, January 17, 2022 – DKSH Business Unit Technology has partnered with Printers Supply Company, a specialized printing company based in Kolkata, India. As part of the agreement, DKSH will provide marketing and sales, distribution, and logistics as well as after-sales services to promote key products by Printers Supply Company for the Printing Packaging & Converting business in East India region and Bangladesh.

This partnership will include solutions for flexographic printing for flexible packaging and allied products from a host of our client's complementary products.

"With their excellent range of innovative and sustainable products for the packaging industry, complemented by their in-depth knowledge of the technology sector, DKSH is the ideal partner for us to meet our

objective of adding value to the industry and supporting the growth of our customers," said Amitabh Luthra, Director, Printers Supply Company.

Suhas Kulkarni, General Manager, Business Development Asia Pacific, Packaging, Printing & Converting, commented: "We look forward to working with Printers Supply Company to extend our services to our customers in the East India region and Bangladesh. This partnership will provide improved customer response rates, technical support with high service capability, and access to DKSH's sustainable technologies and solutions."

Source : Chemical Market

SUMMIT COSMETICS CORPORATION ANNOUNCES EXPANSION OF ITS GREEN PORTFOLIO; SIGNS GLOBAL DISTRIBUTION AGREEMENT WITH NXTLEVVEL BIOCHEM

NEW YORK, Jan. 20, 2022 / PRNewswire/ -- Summit Cosmetics Corporation (SCC), a global cosmetic ingredient developer and distributor, announced today that it has executed a Global Distribution Agreement with NXTLEVVEL, a commercial scale man-

ufacturer of next generation biomass derived chemicals, for the distribution of its NXT SOLV product line to the Beauty and Personal Care industry. The agreement is for a five-year term and grants sales rights to SCC and its sister cosmetic companies, all of which are Sumitomo Corporation Group Companies.

The products included in the agreement are as follows:

NXT SOLV 120
NXT SOLV 220
NXT SOLV 320
NXT SOLV 420

"This partnership with NXTLEVVEL will allow us to diversify our existing portfolio to better-meet the demands of consumers and our customers as the industry – and world – seek more sustainable solutions and technologies," said Shohei Shibukawa, Global President & Officer of Summit Cosmetic Corporation.

NXTLEVVEL has developed world-leading technology in bio-solvents based on levulinic acid. These affordable bio-based chemicals are essential to reduce dependence on fossil fuels and will play a critical role in the reduction of carbon emissions. As an alternative to traditional solvents, NXTLEVVEL's products offer outstanding benefits for personal care formulations, whilst addressing the needs of environmentally conscious consumers and adding value for brand owners. Benefits of NXTLEVVEL bio-solvents include:

- Ability to dissolve a wide range of active ingredients
- Allow increased concentration of actives
- Enables high water loading for moisturizing formulations by incorporating water into anhydrous systems
- Expands solubility of ethanol, while retaining clarity
- Enhances natural formulations by reducing greasiness, providing a dry, silky after-feel

"I'm very excited that NXTLEVVEL and SCC are embarking on a relationship to promote our range of biobased solvents in the Beauty and Personal Care industry by leveraging the strength of our technology along with SCC's global reach and relationships," commented Aris de Rijke, CEO of NXTLEVVEL Biochem. "This agreement will grant our product line access to new markets and customers that can take advantage of our innovative, biobased solutions."

SCC and its sister companies are part of an integrated network in which each company brings their own regional and technical expertise to the group. Together, they offer a diversified portfolio of ingredients and innovation-based support to the Beauty and Personal Care industry. This network enables each company to deliver locally while leveraging the group's global reach and resources. SCC's partnership with NXTLEVVEL is a direct result of the advantages of this network.

Source : PRNewswire

INEOS AND NEXTLOOPP WORK TOGETHER TO RECYCLE

POLYPROPYLENE

- INEOS Olefins and Polymers Europe joins the award-winning NEXTLOOPP project to deliver new grades of Polypropylene (PP) incorporating recycled content that will be food-grade certified
- INEOS O&P Europe will bring its deep product and technical know-how and expertise to the Project Partners to 'tailor' new grades to exacting food standard specifications which will meet customer's requirements.
- "The absence of food-grade recycled polypropylene means that all PP food packaging is currently made from virgin plastics. This is a large, global problem and it is something that INEOS and its partners are determined to change."

INEOS Olefins & Polymers have today announced it has joined the NEXTLOOPP project, an exciting UK collaboration to create circular food-grade recycled polypropylene from Post-Consumer Recycled (PCR) packaging.

INEOS will be at the centre of an important two-year project that will inform the building of a demonstration plant in the UK to produce 10,000 tonnes per year of food-grade recycled polypropylene.

From its manufacturing base in Grangemouth, Scotland, and extensive product and technical expertise across its European operations, INEOS will help tailor food-grade recycled polypropylene to the precise specification of converters by blending it with virgin polypropylene to modify its mechanical and processing properties. It will also introduce processing aids to help converters to meet the exacting requirements of Brand Owners.

The project aims to validate the food-grade recycled polypropylene manufacturing process and its commercial viability, with the aim of receiving ac-

ceptance from the UK's Food Standard Agency (FSA) and European equivalent (EFSA).

Graham MacLennan, Polymer Business Manager INEOS O&P UK, said, "Polypropylene is one of the most versatile plastics in the world – it is also missing from our recycling streams in food contact applications. In the UK alone we use over 210,000 tonnes of PP in our food packaging every year. It is found in pots, tubs and trays. However, the absence of food-grade recycled polypropylene means that all PP food packaging is currently made from virgin plastics. This isn't unique to the UK but a large global issue that INEOS and its partners are determined to change."

This partnership signals INEOS' clear commitment to using more recycled plastic as a raw material. INEOS remains committed to Sustainability, to achieving Net Zero in its operations whilst making products that enable others in the supply chain to also lower their carbon footprints.

Professor Edward Kosior, founder and CEO of Nextek Ltd and NEXTLOOPP says, "We are delighted to welcome the participation of INEOS in helping recycle PP food packaging. INEOS' commitment to reducing the world's reliance on virgin plastics and closing the loop on such a prolific polymer as food-grade PP will help create a more circular economy, reduce CO2 emissions and create new materials for brand owners"

"NEXTLOOPP looks forward to achieving the goal of creating a long term solution for PP packaging, enabling all stakeholders to confidently participate in recycling and contributing to a better outcome for all."

Source : Ineos

INTERNATIONAL NEWS

JOHNSON MATTHEY PARTNERS WITH EUROPEAN METAL RECYCLING (EMR) ON A SUSTAINABLE, CIRCULAR SOLUTION FOR LITHIUM-ION BATTERY RECYCLING IN THE UK

Johnson Matthey has signed a Memorandum of Understanding with European Metal Recycling (EMR) to develop an efficient value chain in the UK for recycling of lithium-ion batteries

Decarbonising transportation is a critical step in helping societies and industries meet their ambitious net zero emission targets to tackle the climate crisis. Here, battery electric vehicles for light-duty transport are a key solution. The challenge is recovering the critical materials from the batteries at end-of-life without harming the environment.

To tackle this, Johnson Matthey, a global leader in sustainable technologies, has signed a Memorandum of Understanding with European Metal Recycling (EMR), one of the world's largest material recyclers and a leading recycler of end-of-life vehicles, to develop an efficient value chain in the UK for recycling lithium-ion batteries and cell manufacturing materials.

Recycling the batteries from end-of-life electric vehicles will produce significant quantities of strategic materials such as lithium, nickel and cobalt with a fraction of the carbon footprint of the same materials from mined sources.

EMR operates the UK's largest network of Authorized Treatment Facilities where vehicles are collected in 50 sites and recycled in compliance with strict environmental legislation. EMR is developing new, collection and recycling processes for electric vehicles and their batteries, to recover intermediate materials containing the strategic battery metals for further processing and where possible, closed loop return of materials.

Johnson Matthey is developing additional processes to produce fully refined materials suitable for direct use in lithium-ion battery manufacturing, increasing the recycled content of new batteries. The full closed loop recycling service that Johnson Matthey and EMR will develop together will help to deliver the future resource security and carbon-reduction aspirations of battery producers and vehicle manufacturers.

Jane Toogood, Chief Executive of Johnson Matthey's Efficient Natural Resources Sector, said: "We are excited to partner with EMR in delivering an efficient battery refining solution to the UK market. Embedding circularity into

this growing industry is essential if it is to become a truly sustainable solution. Battery recycling perfectly complements JM's core expertise in the refining of strategic metals, strengthening our position in developing a sustainable and circular battery value chain."

Roger Morton, Managing Director for Innovation and Technology at EMR added: "EMR is making major investments in the battery recycling supply chain. We are providing quality solutions right now for end-of-life battery materials and we are innovating to deliver higher material recovery rates in future. We look forward to working with Johnson Matthey. The novel technologies they are developing will deliver high yields of recovered battery precursor materials, ready for use back in lithium-ion battery manufacturing."

Source : Johnson Matthey

YARA AND LINDE ENGINEERING AGREE TO BUILD A 24 MW GREEN HYDROGEN DEMONSTRATION PLANT IN NORWAY. BOTH COMPANIES AIM TO ACHIEVE A SIGNIFICANT CARBON DIOXIDE REDUCTION IN THE PRODUCTION OF FERTILIZERS IN NORWAY

Oslo, January 28, 2022: Yara announces the signing of a contract with Linde Engineering for the construction and delivery of a green hydrogen demonstration plant at Yara's ammonia production facility at Herøya Industripark in Porsgrunn, Norway. The project, which is supported by a NOK 283 million grant from Enova (announced in December 2021), will demonstrate that ammonia produced using renewable energy can reduce the impact of carbon dioxide in fertilizer production.

The project will be realized by water electrolysis which will produce green hydrogen to partially replace the hydrocarbon-based hydrogen production in Yara's plant, using proton exchange membrane (PEM) technology. This will be the second 24 MW PEM electrolysis plant designed and constructed by Linde Engineering; the first is now being built at the Leuna Chemical Complex in Germany.

"The project aims to supply the first green ammonia products to the market as early as mid-2023, both as fossil-free fertilizers, as well as emissions-free shipping fuel. Green ammonia is the key to reducing emissions from world food production and long-distance shipping. With this project, we move from intention to actions together with Linde Engineering and local contractors", says Magnus Ankarstrand, President Yara Clean Ammonia.

The plant will have an annual capacity of around 10,000 kg/day of hydrogen. It will replace ethane as raw material in production, thereby reducing 41,000 tons of carbon dioxide emissions annually, the same amount as emitted by roughly 16,000 passenger vehicles.

The electricity will be delivered from renewable energy sources and will provide enough hydrogen to produce 20,500 tonnes of ammonia per year which can be converted to between 60,000 and 80,000 tonnes of green fertilizer, roughly five times the annual production of food grade wheat in Norway. The project will be Yara's first step towards decarbonization of the ammonia industry.

"This project showcases Linde Engineering's market leadership in electrolysis projects. Given the growing demand from the fertilizer industry for green hydrogen, this plant is a step towards further upscaling and increasing the size of these projects worldwide," said John van der Velden, Senior Vice President Global Sales & Technology, Linde Engineering.

Yara will in addition to Linde work with a significant number of local suppliers in the Grenland region on this project. This will contribute to creating new jobs and build valuable competence and experience for the green transition locally.

Source : Yara

Reliance Industries Signs Mou for Investment of Rs 5 Point 95 Lakh Crore in Green Energy and Other Projects in Gujarat

Ahmedabad, January 13, 2022: Reliance Industries Limited (RIL) signed MoU today with the Government of Gujarat for a total investment of Rs 5.955 lakh crore as part of Investment Promotion Activity for Vibrant Gujarat Summit 2022. These projects will create 10 lakh direct / indirect employment opportunities in the State.

To make Gujarat net zero and carbon free, RIL proposes to invest Rs 5 lakh crore in the State over the span of 10 to 15 years to set up 100 GW Renewable Energy Power Plant and Green Hydrogen Eco-System development. RIL will develop an eco-system for assisting Small and Medium Enterprises (SMEs) and encourage entrepreneurs to embrace new technologies and innovations leading to captive use of Renewable Energy and Green Hydrogen.

RIL's initiatives for decarbonisation and creating a green ecosystem emanate from the vision of Hon'ble Prime Minister Shri Narendra Modi.

In consultation with Government of Gujarat, RIL has started the process of scouting land for 100 GW renewable energy power project in Kutch, Banaskantha and Dholera. The company has requested for 4.5 lakh acres of land in Kutch.

RIL will invest another Rs 60,000 crore in setting up New Energy Manufacturing-Integrated Renewable Manufacturing: 1) Solar PV Module (manufacture of Polysilicon, wafer, cell & module); 2) Electrolyzer; 3) Energy-storage Battery; 4) Fuel Cells.

Further Rs 25,000 crore investments will be made by RIL in existing projects and new ventures over next 3 to 5 years. RIL has also proposed to invest Rs 7,500 crore over 3 to 5 years for Jio Network upgradation to 5G and another Rs 3,000 crore over 5 years in Reliance Retail.

Source : Chemical Market

Axalta's Radar Transmission Simulator Receives 2022 Big Innovation Award

GLEN MILLS, Pa., Jan. 20, 2022 / PRNewswire/ -- Axalta (NYSE: AXTA), a leading global supplier of liquid and powder coatings, announced its Radar Transmission Simulator (ARTS) with Color Palette Optimizer for Autonomous Vehicles was named a winner in the 2022 BIG Innovation Awards presented by the Business Intelligence Group (BIG). The annual business awards program recognizes organizations, products and people that bring new ideas to life in innovative ways

"We are proud to receive a 2022 BIG Innovation Award for our ARTS technology," said Robert Roop, Axalta's Chief Technology Officer. "The award affirms Axalta's ongoing commitment to innovation and to developing advanced technologies that better serve our customers."

ARTS with Color Palette Optimizer for Autonomous Vehicles is a patented tech-

VIEWS AND STATEMENTS

"As a leader in clean mobility materials, we are committed to support our automotive and battery-cell customers with their electrification strategies. We are very pleased to partner with Volkswagen in this unique joint venture and will bring in our long-standing and proven expertise in battery materials, as well as our strong commitment and solutions to today's sustainability challenges, The complementarity of our extensive technology, innovation and industrial knowhow, and shared sustainability convictions will provide a strong framework for the JV and will give us a considerable first-mover advantage."

- Mathias Miedreich, CEO of Umicore

"Chevron is supportive of CPChem's continued efforts on sustainability-related initiatives, The amount of pyrolysis oil used in the trial run equates to converting approximately 2 million one-gallon milk jugs into feedstock. This is a great step in helping support customers' growing demand for circular polymers."

- Chris Cavote, president of manufacturing for Chevron. "

"At SABIC, we are committed to creating sustainable, innovative solutions for our customers which have been produced in a way that optimize our planet's natural resources and create value out of post-consumer plastics. Using advanced recycling technology we produce materials for high-quality, food-grade packaging which can be upcycled over and over again. This new collaboration with Ella's Kitchen is beneficial to the eco-system of food packaging, and is another significant step towards a circular economy for used-plastics."

- Abdullah Al-Otaibi, ETP & Market Solution General Manager at SABIC

"The construction of a new plant in Uttar Pradesh is a very important milestone for Air Liquide in India. This new significant investment will give us the ability to better serve our customers, while also investing in the long-term growth opportunities of this key State. It also shows our confidence in the sustained growth of the Indian industry. This investment is in line with Air Liquide's Sustainable Objectives as this ASU is meant to ultimately solely run on renewable energy."

- Pascal Vinet, Senior Vice President and a member of the Air Liquide Group's Executive Committee supervising Europe Industries activities and Africa / Middle East /India hubs

---

"The new EARTH SOFT system based on Siligen® EH1 softener adds to our growing portfolio of innovations based on natural and renewable plant-based resources. This new breakthrough innovation by Archroma helps us and our partners in the textile and fashion industry to minimize our dependence on petroleum fossil fuel products."

- Paul Cowell, Head of Competence Centers for Brand & Performance Textile Specialties at Archroma

VIEWS AND STATEMENTS

"With this new option from our plant in Belen, we hope to pull hundreds tons of plastic out of use by converting secondary packaging from plastic to cardboard, Furthermore, cartons are more lightweight and efficient in the space they use, optimizing transport and warehouse space."

- Nicolas Martinez, global product manager at Airnov, NM

"From the packaging to the many ingredients, a typical consumer product in coatings, personal care, home care, industrial, and agricultural applications still uses petrochemicals and therefore fossil carbon, Switching to bio-based carbon chemistry remains a big challenge for manufacturers and by launching the Vita surfactant and PEG range we are offering them an important new solution to achieve this."

- Christian Vang, Global Head of Business Unit Industrial & Consumer Specialties, Clariant.

"In developing the new isononanol-based plasticizer, we were able to draw on many years of experience in research, production and marketing, This has enabled us to develop a product based on our technologies that offers customers new opportunities in product optimization through a combination of good processability and high durability."

- Dr. Michael Graß, Head of Application Technology for plasticizers.

"Rhamnolipids are an important part of our Clean Future initiative which has set the goal to replace fossil carbon in all cleaning products by 2030. We want to make sustainability easy for everyone that uses our products. The partnership with Evonik helps move our brands away from fossil fuels without compromising on performance or affordability."

- Peter Dekkers, Executive Vice President Middle Europe, Unilever.

"This is a great addition to the PPG Envirobase® High Performance system, which is the leading premium waterborne paint system in North America, It provides our customers with a suite of sustainable undercoats and clearcoats that integrate flawlessly with its advanced waterborne basecoat, providing best-in-class color accuracy and durability."

- Sinclai

"The project aims to supply the first green ammonia products to the market as early as mid-2023, both as fossil-free fertilizers, as well as emissions-free shipping fuel. Green ammonia is the key to reducing emissions from world food production and long-distance shipping. With this project, we move from intention to actions together with Linde Engineering and local contractors"

- Magnus Ankarstrand, President Yara Clean Ammonia

nology breakthrough that uses Axalta's color-modeling expertise to optimize coating formulations that maximize the color palette and match an existing color, while ensuring compatibility with radar sensors. Radar is an enabling technology used in advanced driver assistance system (ADAS)-equipped vehicles. Precision color matching and coatings formulation allows for radar-compatible coatings without compromising aesthetics.

"Innovation is driving growth in the global economy," said Maria Jimenez, chief operating officer of the Business Intelligence Group. "We are thrilled to be honoring Axalta as they are one of the organizations leading this charge and helping humanity progress."

Organizations from across the globe submitted their recent innovations for consideration in the BIG Innovation Awards. Nominations were then judged by a select group of business leaders and executives who volunteer their time and expertise to score submissions.

Source : PRNewswire

Uta Holzenkamp New President of BASF's Coatings Division

Uta Holzenkamp is the new president of BASF's Coatings division with around 11,000 employees at more than 70 sites effective January 1, 2022. After her studies of organic chemistry at the University of Münster, Germany, the Heriot-Watt University in Edinburgh, Scotland, and the Ohio State University, USA, she received her PhD in 1996 from the Johannes Gutenberg University Mainz, Germany.

Holzenkamp joined BASF in 1997 and started her career in the pharmaceutical research department. After several positions at BASF in Germany and abroad, she has been Senior Vice President of the global Fuel and Lubricant Solutions business unit, which is part of the Performance Chemicals division of BASF, since April 2018.

Her predecessor Dirk Bremm, who has headed the Coatings division since April 2017, has taken over as CEO of a separate mobile emissions catalysts, automotive catalysts recycling and associated precious metal services entity. The new entity BASF Automotive Catalysts and Recycling will be a distinct legal entity structure, headquartered in Iselin, New Jersey, USA.

Source : BASF

Toray Creates High Polymeric Separation Hydrogen Permeation Membrane Module that more than Halves the Space and Carbon Dioxide Emissions

Tokyo, Japan, January 19, 2022 – Toray Industries, Inc., announced today that it has developed a polymeric separation membrane module that can selectively and efficiently permeate hydrogen from mixed gases containing that chemical element. This module more than halves the carbon dioxide emissions of hydrogen purification processes and the number of modules. Toray will accelerate research and technical development to help create a hydrogen economy.

Hydrogen attracts growing attention for its potential as an energy source in the drive to attain carbon neutrality. It is accordingly vital to establish energy-saving and highly efficient hydrogen recovery and purification technologies to cater to swift hydrogen demand growth in coming years.

Membrane separation offers consider-

able potential. That is because this process can secure high-purity hydrogen by removing impurities during hydrogen production and usage, saving energy and space by employing pressure differences and enabling separation without phase changes. Polymeric separation membrane modules experience low performance degradation from water vapor and are light. There are issues, however, with hydrogen permeation purity and amounts. Toray accordingly developed a separation membrane in 2018 that precisely controls pore structures.

The company recently used a technology that it cultivated with reverse osmosis membranes to develop a separation membrane with a highly controlled pore structure by deploying a material with a high hydrogen affinity. Toray used this membrane to attain a hydrogen permeation purity of 98%, which is unmatched anywhere. This technology can boost permeated hydrogen purity with a single separation instead of the several required with regular modules and cuts initial investment expenditure. It also reduces energy consumption and can cut the carbon dioxide emissions of conventional separation membrane modules (Figure 1) by more than 50%.

When modularizing, Toray optimally designed the channel materials of key components to reduce flow resistance. The membrane thus has double the area of conventional separation membrane modules. This improves the hydrogen permeability of a module (Figure 2) and more than halves the number of module elements needed for the hydrogen purification process. Combining the Toray-developed separation membranes can reduce the number of module elements by more than 75%, representing a tremendous space saving.

The company will partner with engineering companies in Japan and abroad while drawing on process technologies from water treatment to establish mass production techniques.

Toray will keep leveraging its core technologies of synthetic organic and polymer chemistry, biotechnology, and nanotechnology in keeping with its commitment to innovating ideas, technologies, and products that deliver new value to create advanced materials and innovative technologies that contribute to social progress.

The company plans to exhibit polymer separation membrane modules based on this technology at nano tech 2022, an international nanotechnology exhibition and conference at Tokyo Big Sight from January 26 through 28, 2022.

Source : Toray

Evonik Develops Sustainable Amorphous Poly-Alpha-Olefins for the Adhesives Industry

- Adhesive raw materials made from >90 percent biomass
- Reduction in use of fossil resources through certified mass balance process
- Further CO2 reduction through use of green electricity

Essen/Marl, Germany. Evonik is expanding its portfolio of amorphous poly-alpha-olefins for the adhesives industry to include a sustainable product range. The new products are marketed under the brand name VESTOPLAST® eCO and consist of more than 90 percent ISCC PLUS-certified, mass-balanced sustainable material. The use of these sustainable raw materials significantly reduces CO2 emissions compared to the qualitatively equivalent, petrochemical-based VESTOPLAST®. By using renewable energy in production, the CO2 footprint can be further reduced.

VESTOPLAST® is mainly used as a raw material for hotmelt adhesives applied in various industries, such as the hygiene, automotive, packaging, and wood processing branches. The biomass content of VESTOPLAST® eCO is calculated according to the mass balance method: In other words, the product is manufactured using a mix of bio-based and fossil-based resources, with the resulting physical properties identical to those of the classic portfolio.

"As a specialty chemicals company, we are taking important steps to reduce the impact of our products on the environment. With the new VESTOPLAST® eCO product portfolio, we want to reduce the use of fossil resources in the adhesives industry in favor of bio-based," explains Roberto Vila-Keller, head of the Coating & Adhesive Resins business line. "With the mass-balancing approach, Evonik is committed to increasing the use of biomaterials and reducing our customers' dependence on fossil resources."

Source : Evonik

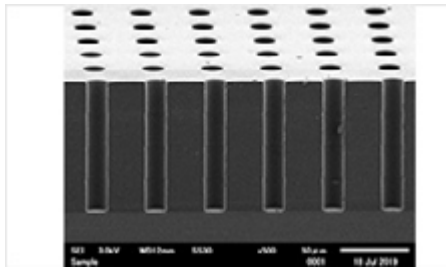
Toray Creates Negative Photosensitive Polyimide Material that Could Drive Ultrafast Communications

Tokyo, Japan, January 20, 2022 – Toray Industries, Inc., announced that it has developed a negative photosensitive polyimide material. This new offering maintains the characteristic thermal resistance, mechanical properties, and adhesiveness of polyimides while increasing resolutions and enabling high-definition pattern formation on 100-micrometer and other thick films.

The number of electronic components in smartphones and other mobile devices will increase to accommodate the greater speeds and capacities of 5G, 6G, and subsequent broadband cellular networks. These devices will need more miniaturized electronic components and higher density mountings. Finer fabrication processes for polyimide materials will thus be necessary for the insulating layers of electronic components.

To date, these layers have often employed negative photosensitive polyimide materials delivering outstanding chemical resistance and reliability. The downside is low light transmittance. Photosensitivity deteriorates when thicknesses exceed 50 micrometers, preventing fine processing. Other issues are high thermal stresses after curing and significant warping, reducing reliability during processing.

Toray developed a negative photosensitive polyimide material that is 100 micrometers thick and can fabricate vias (glossary note 2) with 10 micrometer diameters. The company achieved this by leveraging the functional polyimide design technology it has amassed over the years to enhance light transmittance and control photoreactions.



Toray additionally made it possible to cut thermal stress to less than half that of regular polyimide materials and thus reduce warping by controlling polyimide resin cross-linking density from photoreactions during exposure and lowering curing shrinkage.

This material should make it possible to miniaturize electronic components and semiconductor package wiring and enhance reliability. Toray is shipping prototypes with a view to commercializing the material as a varnish and sheet.

The company aims to augment its lineup with grades with low thermal expansion coefficients and dielectric levels and small dielectric losses, offering them for semiconductor devices and electronic components that can drive ultrafast communication technologies.

Toray plans to deliver a presentation on its breakthrough at Wafer Level Package Symposium 2022, which starts on February 15, 2022.

Toray will continue leveraging its core technologies of synthetic organic and polymer chemistry, biotechnology, and nanotechnology to research and develop advanced materials that transform societies in keeping with its commitment to innovating ideas, technologies, and products that deliver new value.

Source : Toray

Carlisle Polyurethane Systems Introduces New Intellathane High-Performance Industrial Protective Spray Coatings Line

CARLISLE, Pa., Jan. 25, 2022 / PRNewswire/ -- Carlisle Polyurethane Systems (www.carlisleps.com), an industry leader in the development, manufacturing, and marketing of high-performance, spray-applied protective coatings, is pleased to introduce its rebranded and expanded Intellathane product line. Tough, abrasion-proof, and impact-resistant, Intellathane protective elastomeric coatings are engineered to resist cracking, flaking, bubbling, or

peeling, creating a virtually impenetrable seal that coats surfaces and prevents denigration from repetitive and devastating impacts, weathering, temperature extremes, and harsh chemical environments. Intellathane elastomeric spray coatings protect equipment in the light industrial, heavy industrial, agriculture, truck/automotive, mining, military, and industrial storage fields.

"The Intellathane product line is inspired by Carlisle Construction Materials' principles of innovative products that enable more durable and sustainable building design. The Intellathane brand is engineered specifically for vehicles and equipment used in rough service applications, where more traditional coatings often fail due to corrosion, abrasion, and repeated impacts," said Kevin Wiacek, Product Marketing Manager of Carlisle Polyurethane Systems. "These harsh operating conditions often require owners to replace their equipment too frequently. The new Intellathane brand gives equipment manufacturers a comprehensive portfolio of protective coatings that not only improves the long-term appearance of their products, but also extends the service life. The R&D team considered many variables during product development to ensure long-term adhesion and protection to a wide variety of substrates, types of impacts experienced, the weather conditions they operate in, and possible chemical exposures."

"One of the hallmarks of the Carlisle Polyurethane Systems brand is our commitment to the highest levels of polymer science and technical innovation, which are made possible through R&D initiatives rooted in decades of advanced technology development," said Bill Brengel, Vice President and General Manager of Carlisle Polyurethane Systems. "Our world-class chemists have helped to establish new performance standards for elastomer coatings used in the industrial sector. With the introduction of our updated and expanded Intellathane product line, we continue to offer innovative solutions that keep exterior surfaces and equipment safe in severe weather and other unforgiving conditions. When combined with Carlisle's industry leading customer and technical service, our newest product portfolio truly rises above the competition."

Source : PRNewswire

JM launches HyCOgen, an Enabling Technology to Efficiently Convert CO2 and Green Hydrogen into Sustainable Aviation Fuel

- Launch of HyCOgen will play a key role in enabling captured CO2 and green hydrogen to be converted into sustainable aviation fuel
- In combination with FT CANSTM technology, Johnson Matthey delivers an integrated, scalable solution

Johnson Matthey, a global leader in sustainable technologies, has launched an innovative technology – HyCOgenTM – designed to play a pivotal role in enabling the conversion of captured carbon dioxide (CO2) and green hydrogen into sustainable aviation fuel (SAF). By combining HyCOgen with the award-winning FT CANS Fischer Tropsch technology (developed in collaboration with bp), Johnson Matthey offers an integrated, scalable solution for use in the efficient and cost-effective production of renewable power based SAF.

HyCOgen, Johnson Matthey's Reverse Water Gas Shift technology, is a catalysed process to convert green hydrogen and CO2 into carbon monoxide (CO), which is combined with additional hydrogen to form synthesis gas (syngas), a crucial building block in the manufacture of fuels and chemicals. The integration with the FT CANS technology provides an end to end, optimised and highly scalable process that turns over 95% of the CO2 into high quality synthetic crude oil. This synthetic crude oil can be further upgraded into sustainable drop-in fuel products including aviation fuels, renewable diesel and naphtha.

The scalability of the integrated HyCOgen/FT CANS solution enables cost-effective deployment across a wide range of project sizes – from small-scale, fed by hydrogen from a single electrolyser, through to world-scale with multiple

large electrolyser modules.

The global aviation industry is responsible for 12%1 of transport related CO2 emissions, therefore substantial production of low carbon intensity SAF is essential to mitigate emissions. Both the EU2 and US3 are setting bold targets for its scale up and blending, and this is expected to increase SAF demand significantly. Johnson Matthey's HyCOgen solution, along with the FT CANS technology, can help increase the supply of SAF through its efficient production at scale.

Jane Toogood, Sector Chief Executive, Johnson Matthey, commented: "Given the challenges associated with new propulsion technologies and airport infrastructure, plus the long asset life of aircraft, there are significant hurdles in moving from hydrocarbon-based aviation fuel to alternatives such as battery electric or hydrogen. This is where Johnson Matthey's longstanding expertise and market-leading position in syngas generation technology can play a crucial role, by providing solutions that enable the production of sustainable drop-in fuels that are deployable today.

"By combining HyCOgen with FT CANS, we can now deliver customers a cost-efficient, reliable and scalable technology to help increase SAF production, backed by our track record of successful technology development and commercialisation."

The integrated HyCOgen/FT CANS solution is available now from Johnson Matthey.

Source : Johnson Matthey

Sumitomo Chemical to Expand Production Capacity for LCP at its Ehime Works

Sumitomo Chemical has decided to build additional production lines for its liquid crystal polymer (LCP) SUMIKASUPERTM, which is a super engineering plastic, at its Ehime Works (Niihama city, Ehime, Japan). In the Sumitomo Chemical Group, LCP is produced at Sumitomo Chemical's Ehime Works and the Harima Works of the Company's subsidiary Taoka Chemical Co., Ltd. (Harima, Kako-gun, Hyogo, Japan). This expansion will increase the Group's production capacity by approximately 30%. The new production lines are scheduled to be completed in the summer of 2023.

LCP, which possesses excellent thermal resistance, flowability and dimensional stability, has been used for a broad range of applications, including electronic components for PCs and smartphones. Sumitomo Chemical has steadily expanded its LCP business and built its capacity to ensure a stable supply of the product by building on its strengths, which include research and development capabilities for offering polymer materials that meet customer needs, integrated production and sales operations that cover the product line ranging from resin to compounds*, and thorough technical support for customers around the globe.

Demand for LCP is continuing to grow strongly as the rollout of 5G data communications systems is progressing at scale, while electric vehicles are becoming more popular on the back of accelerated efforts to mitigate environmental impact. To immediately address a recent tightening of the global supply-demand conditions, Sumitomo Chemical has decided to construct new facilities to increase its production capacity for LCP. The Company will consider further capacity expansion as the LCP market is expected to grow rapidly supported by higher-speed, larger-volume data communications and advances in the field of mobility.

Sumitomo Chemical positions contributing to Information and Communication Technology (ICT) innovation as one of the material issues to be addressed as management priorities. The Company will continue striving to contribute to the development of a smart society, as represented by Society 5.0, and to advances in the area of mobility by ensuring a stable and agile product supply, while also offering innovative new products that meet advanced quality and technological need

Source : Sumitomo Chemical

SCG Chemicals Collaborates With Shell To Launch The 'Eco-Friendly Lubricant Bottles', Delivering High-Quality Products In Environmentally Friendly Packaging

Bangkok – 10 January 2022 SCG Chemicals and The Shell Company of Thailand Limited collaborate to develop the 'Eco-friendly Lubricant Bottles' made of high-quality Post-Consumer Recycled Resin (PCR), a highly durable material for logistics that does not compromise the world-class quality of the products.

The cooperation is in line with Shell's 'Powering Progress' strategy, which aims to provide net-zero emission products and services by 2050. The eco-friendly packaging recycles household plastic waste with a specific formulation under the brand SCG GREEN POLYMERTM in line with the UN Sustainable Development Goals (SDGs) and ESG (Environmental, Social and Governance), which strives to consume less resources to support the circular economy and promote environmental sustainability, while responding to the government policy of BCG (Bio-Circular-Green Economy).

Ms. Veethara Trakulboon, Executive Director of Lubricants Business, The Shell Company of Thailand Limited, said: "Nowadays, customers are not only looking for excellent and efficient products for engines and machines, but also for brands that provide sustainable products. As one of world's leading energy and fuel companies and one of the world's top lubricant suppliers over the past 15 years as well as TAQA award-winners for Outstanding Lubricant for 8 consecutive years. Shell responds to customer demands by collaborating with SCG Chemicals - one of our principal partners - to develop eco-friendly lubricant packaging. The new and beautifully designed containers ensure that Shell's products maintain their standard and quality, promote engine and machine to work at full performance, convenient to transport, and comply with safety standards. This effort aligns with Shell's strategy of 'Powering Progress', which focuses on cooperation with and value building for all stakeholders and align with SCG Chemicals' concept, supporting circular economy regarding resource efficiency and recycling. Shell has already started using high-quality PCR in various forms of packaging and begun this project since April 2021. Currently, the proportion of high-quality PCR for packaging stands at 25%, helping to reduce over 320 tons of waste in 2021."

Mr. Sakchai Patiparnpreechavud, Chief Commercial Officer of SCG Chemicals, said: "The cooperation with Shell Thailand to develop the 'Eco-friendly Lubricant Bottles' made of high-quality PCR is an approach to recycle post-consumer plastic through a specific formulation under the brand SCG GREEN POLYMERTM, which can trace back to the source of raw material and it is certified by the Global Recycle Standard (GRS). The manufacturing process for high-quality PCR contributes toward a reduction in greenhouse gas emissions compared with virgin plastic resin and lowers waste incineration which are considered as one of the important missions to be 'Chemicals Business for Sustainability' of SCG Chemicals."

The 'Eco-friendly Lubricant Bottles' are used for Shell's high quality lubricant products, ranging from Shell Helix (car engine oils), Shell Advance (motorcycle engine oils), Shell Rimula (truck & heavy-duty engine oils), to Shell Spirax (axle and transmission oils). This approach will create a new value for recyclable household plastics and process them in accordance with the government's BCG policy as well as solidifying the circular economy model, lower resource consumption, reduce waste in the country, and reduce environmental impacts including greenhouse gas emissions – a major cause of climate change.

Source : SCG

BASF Launches Peptovitae™ Series – a New Range of Dermocosmetic Peptides Helping to Revolutionize the Cosmetics Industry

- An exclusive supply agreement with Caregen enables BASF to expand its dermocosmetics portfolio
- Peptovitae™ series addresses a broad range of skin concerns allowing customers to develop innovative and

Price as on January 30, 2022

Name of Chemicals	Pack (Kgs.)	Price	Change (Rs./Kg)
INORGANIC CHEMICALS			
Ammonium Bicarbonate		60	
Ammonium Carbonate		55	
Ammonium Nitrate		65	
Borax (Granular)	50	48	
Borax (Powder)	50	42	
Bromine Liquid	50	265	
Calcium Carbonate(Activated)	50	50	
Calcium Carbonate (Precipitated)	50	30	
Carbon Disulphide	300	84	-1
Caustic Potash		78	
Caustic Soda (Flakes)	50	32	
Caustic Soda (Lye)	Tanker	22	
Hydro (China)	50	87	
Hydrogen Peroxide	50	41	
Hyflosupercel	22	66	
Lithopone (China)	25	185	
Magnesium Carbonate (Indian)	50	56	
Mercury	34.50	8700	
Nitric Acid RCF (60%)	Tanker	50	
Phosphoric Acid	50	67	
Potassium Carbonate	50	54	
Potassium Carbonate (Indian)	50	66	
Potassium Permanganate	50	160	
Soda Ash	50	30	
Soda Ash Tata		33	
Sodium Nitrite		44	
Sodium Nitrate		32	
Titanium Dioxide Anatase (TTPL)	25	190	
Titanium Dioxide Anatase (China)	25	160	
Titanium Dioxide (Rutile – R-902)	25	248	
Zinc Oxide (China)	50	93	

Name of Chemicals	Pack (Kgs)	Price	Change (Rs./Kg)
ORGANIC CHEMICALS			
Acetic Acid Glacial	35	107	
Acetone (GI Drums)	160	121	
Acrylamide (Liquid)	250	230	
Acrylic Acid	200	119	
Acrylonitrile		210	
Adipic Acid	25	92	
Aniline	200	84	
Benzene (Per Litre)	200	55	
Benzoic Acid	200	86	
Benzoyl Chloride	200	125	
Benzyl Alcohol (FFC)	200	145	
Benzyl Chloride	200	165	
Bisphenol-A (Russian)	25	118	
n-Butanol (Barrels)	170	160	
Butyl Acetate		190	
Butyl Acrylate	180	75	
Butyl Carbitol	190	87	
Butyl Cellosolve		170	
Butyl Stearate	190	105	
C9 Solvent		59	
C10 Solvent		63	
Cellosolve	195	105	
Chloroform		22	
Citric Acid		47	
m-Cresol	190	270	
o-Cresol	200	300	
p-Cresol	200	325	
Mixed-Cresol		85	
Cyclohexane		76	
Cyclohexanone	190	121	
Diacetone		99	
Dibutyl Maleate (DBM)		203	-2
Dibutyl Phthalate (DBP)		176	-6
Dicyandiamide (DCDA)	25	300	
Diethanolamine (DEA)		110	
Diethylene Glycol (DEG)	230	72.50	
Diethyl Phthalate (DEP)	200	95	

Name of Chemicals	Pack (Kgs)	Price	Change (Rs./Kg)
Diisobutyl phthalate (DIBP)		134	-9
Dimethyl formamide (DMF)		210	
Dioctyl Adipate (DOA)	200	193	-2
Dioctyl Maleate (DOM)		200	
Dioctyl Phthalate (DOP)	200	164	-4
2-EHA(2 Ethyl Hexyl Acrylate)	180	138	
Ethyl Acetate (Resale)	185	111	
Ethyl Acrylate (Intact)	180	121	
Ethylene Dichloride (EDC)	200	57	
Ethylene Glycol (MEG)	230	68.50	
Formaldehyde (Resale)	230	11	
Formic Acid	25	92	
Glycerine (IP)	250	53	
Glyoxal (Imp.)		101	
Glyoxal (Indian)		105	
Hexamine	50	78	
n-Hexane (Per Litre)	200	64	
Hexylene glycol		145	
Isobutyl Alcohol	170	125	
Isopropyl Alcohol (IPA)	170	124	-5
Maleic Anhydride (MAN)	25	86	
Melamine	25	103	
Methanol (Per Litre) (Resale)	200 Lit.	32.50	
Methyl Ethyl Ketone (MEK)	190	110	
Methyl Isobutyl Ketone (MIBK)		150	
Methylene Dichloride (MDC)	350	51	
Monoethanolamine (MEA)	180	100	
Octanol (2-Ethylhexanol)	170	165	
Octoic Acid		100	
Oxalic Acid (Punjab)	50	114	
Phenol (GI Drums)	215	115	
Phthalic Anhydride (PAN)	25	77	
PolyethyleneGlycol(PEG 200)	230	93	
PolyethyleneGlycol(PEG 400)	230	94	

Name of Chemicals	Pack (Kgs)	Price	Change (Rs./Kg)
Polyvinyl Alcohol (Gohsenol GH-17)	20	190	
Propyl Acetate		109	
Propylene Glycol (Imp.)	210	325	
Purified Terephthalic Acid (PTA)		70	
Sodium Alginate (China)	25	280	
Sorbitol	250	52	
Styrene Monomer (Resale)	185	117	
Tartaric Acid	50	350	
Thiourea	50	110	
Toluene (Per Litre)	200	65	
Trichloroethylene	330	50	
Triethanolamine (Resale)	210	92	
Triethylene Glycol (TEG)		107	
Vinyl Acetate Monomer (VAM)	185	200	
Wax Industrial	25	105	
Wax Paraffin	24	98	
m-Xylene		57	
o-Xylene (Per Litre)	200	64	
Xylene Mixed (Per Litre)	200	61	

differentiated solutions

- Initially launched in Asia, the new bioactive will be available in other regions during the course of 2022

Hong Kong, China – January 26, 2022 – BASF today launched Peptovitae™, a series of four patented peptides that represent a new generation of scientifically developed biomimetic peptides. Peptovitae™ was developed in Asia through an exclusive relationship with Caregen, a Korean-based company and global leader in biomimetic peptide research and development.

The Peptovitae™ series addresses a wider range of skin concerns than are traditionally associated with the use of peptides. These new bioactives from BASF's Care Creations® address personal care skin benefits related to combatting the signs of aging (Peptovitae™ Matrix), enhancing the brightness of skin (Peptovitae™ Bright), soothing skin prone to dryness and itching (Peptovitae™ Derma) as well as calming and moisturizing skin (Peptovitae™ Clear). In doing so, BASF is providing consumers of all ages with the means to achieve their beauty aspirations.

The double-layered, liposome-based encapsulation system used in the Peptovitae™ series allows finished products to deliver the benefit of these biomimetic peptides to skin appearance. "BASF has adapted these peptides to ensure they meet cosmetic industry standards, thereby making these products available to our customers and consumers," said Viju Jose, Vice President, Personal Care Solutions, Care Chemicals, BASF Asia Pacific.

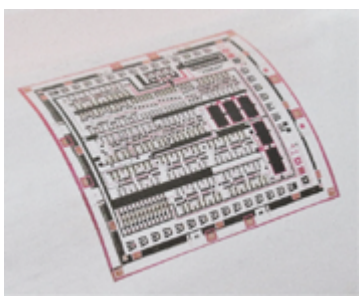
"Increasingly, consumers are looking for safe and effective skin care-regime-based solutions with high efficacy as an alternative to procedure-based treatments to address their personal skin needs. The strong growth of dermocosmetics in China and the doubling of the share of dermocosmetics in the global beauty market over the last 15 years are evidence of the robust growth in products containing peptides and the shift by consumers towards biomimetic skin care regimes," added Eunice Jeong, Head of Regional Market Development, Personal Care Solutions, Care Chemicals, BASF Asia Pacific.

Developed in Asia for global consumer needs, Peptovitae™ delivers unique biomimetic peptides thanks to the partnership with Caregen, a leader in biomimetic peptides. The resulting products offer potent, proven efficacy to address consumers' skin needs.

Source : BASF

Toray Develops Semiconductor Circuits on Film by All Printing Process Demonstrates Wireless Operations of RFIDs and Sensors

Tokyo, Japan, January 17, 2022 – Toray Industries, Inc., announced that it has created a printing technology to form semiconductors circuits on flexible films that employ high-performance semi-conductive carbon nanotube composites (see note 1). The company also announced that it has fabricated radio-frequency identifiers (RFIDs) and sensors on general-purpose films and has demonstrated their wireless operations.



One prospective application of Toray's technology is UHF (note 2) RFID, which could enhance retailing and logistics efficiency by automating cash registers and reduce inventory control labor. Diverse other applications could encompass such security fields as counterfeiting prevention and sensors at medical and eldercare sites. Toray will collaborate with external partners to develop systems and applications to swiftly commercialize its semi-conductor circuits.

Efforts to develop new materials and coating techniques to form semiconductor circuits on films, have progressed, especially for organic semiconductors. It has been challenging, however, to improve mobility (note 3). This indicator of semiconductor performance has languished at just 20 cm2/Vs.

Toray overcame this challenge in 2020 by attaining a world record mobility of 182

cm2/Vs for a printing with its proprietary semi-conductive carbon nanotube composite technology. The company also created p-type (positively charged) and n-type (negatively charged) semiconductors needed to form of low-power complementary metal oxide semiconductor (CMOS) circuits (note 4). It additionally fabricated RFIDs on glass substrates by using inkjet technology, demonstrating they can be used for wireless UHF communication.

Toray found, however, that film would stretch and shrink during fabrication process. This caused wiring and electrodes to misalign and impaired performance.

The company engaged in improving materials to lower process temperature and shorten process time, and succeeded in suppressing film stretch and shrink. It additionally applied shape tracking high precision inkjet technology developed by Toray Engineering Co., Ltd. Toray thereby established a printing technology to precisely fabricate CMOS and other semiconductor circuits, rectifiers (note 5), and memories on film.

Integrating these underlying technologies and antenna enabled Toray to fabricate an RFID on a general-purpose polyester film and communicate wirelessly with UHF band waves. Toray also developed a sensor and demonstrated its wireless water detection. This expands its new technology not only to retailing, logistics and security fields but also to medical and eldercare sites, such as urination detections.

By enabling direct semiconductor circuit printing on films, Toray's technology offers considerable design flexibility and can cater to small-lot production needs. The company plans to initially start with small-lot, short-range wireless communication applications that take advantage of this feature. It will thereafter broaden applications as it builds up results and cuts costs.

Toray plans to exhibit this technology at nano tech 2022, an international nanotechnology exhibition and conference at Tokyo Big Sight from January 26 through 28, 2022.

Toray promotes strategic open innovation and collaborates with key partners to accelerate efforts to propose solutions including systems, by utilizing innovation hub capabilities of the R&D Innovation Center for the Future on the premises of its Shiga Plant. The company will endeavor to develop revolutionary materials that transform societies in keeping with its commitment to innovating ideas, technologies, and products that deliver new value.

Source : Toray

Ultrason® E in Coated Fabrics Used as Particulate and Bacterial Filter for Face Masks

- Indian membrane manufacturer Permionics Membranes employs Ultrason® E in washable and re-usable face masks for India
- BASF's polyethersulfone shows excellent filtration properties and good adhesion to non-wovens

BASF has joined hands with membrane manufacturer Permionics Membranes, Vadodara, India to extend for the first time the application of BASF's Ultrason® E (PESU: polyethersulfone) into coated fabrics which serve as particulate and bacterial filter for face masks. The face masks using the fabric as a middle layer are highly breathable, washable and re-usable unlike conventional face masks. They are designed for the usage in the Indian healthcare market.

Permionics selected Ultrason® E for its coated fabric called Perma Bioshield. The unique protective fabric is made by adhering an anti-microbial coating made of Ultrason® E to the matrix of a non-woven fabric as a bonded support. Ultrason® E is a high-purity material with low gel and oligomer content that ensures a stable membrane manufacturing process. The BASF PESU can be used in a wide pH range (0 - 13) without deterioration. It complies with Food and Drug Administration (FDA) and European standards for repeated-use food contact and thus can be used in drinking water and food processing applications. It is especially suitable for the production of durable hollow-fiber membranes and filters for use in the food, beverage, electronics and pharmaceutical industries.

"In the COVID-19 pandemic, the need for developing and manufacturing high-efficiency particulate and bacterial filters for face masks has become a priority across the world. Ultrason® E turns out to be an ideal choice for the coating

of Perma Bioshield as the material allows for a better narrow pore size control and a good adhesion to non-woven fabrics. These are two features which are key to the removal of bacteria, dust and pollution," said Satyajai Mayor, managing director of Permionics.

Currently, the Perma Bioshield is used in several types of face masks in India, manufactured by a leading healthcare company. Apart from being used in face masks, Perma Bioshield is also an ideal filter for applications such as breathable medical gowns and clothing used in hospitality and airline industries, high efficiency particulate air filter (HEPA) filter replacements, antimicrobial and dust-proof blinds or screens.

Ultrason® is the trade name for BASF's product range of polyethersulfone (Ultrason® E), polysulfone (Ultrason® S) and polyphenylsulfone (Ultrason® P). The high-performance material is used to manufacture lightweight components in the electronics, automotive and aerospace industries as well as in water filtration membranes and in parts that come into contact with hot water and food. Because of their extraordinary property profile the Ultrason® brands can substitute thermosets, metals and ceramics in many applications.

Source : BASF

Sinopec Completes China's First Megaton Scale Carbon Capture Project

BEIJING, Jan. 29, 2022 /PRNewswire/ -- China Petroleum & Chemical Corporation (HKG: 0386, "Sinopec") has completed the construction of China's first megaton carbon capture, utilization and storage (CCUS) project, the Qilu-Shengli Oilfield CCUS (the "Project") on January 29, which will reduce carbon emission by 1 million tons per year, the equivalent of planting nearly 9 million trees and shutting down 600,000 economy cars.

As China's largest full industrial chain CCUS demonstration base and industry benchmark, the Project is estimated to increase the oil production by 2.965 million tons in the next 15 years. It's of great significance to China's scaled development of CCUS and building an "artificial carbon cycle" model to increase China's carbon emissions reduction capabilities as the country advances to achieve the "dual carbon" goals of reaching peak carbon emissions by 2030 and carbon neutrality by 2060.

The construction of the Project was initiated in July, 2021 and is consisted of two parts – Sinopec Qilu's carbon dioxide capture and Shengli Oilfield's carbon dioxide displacement and storage. The carbon dioxide captured by Sinopec Qilu will be transported to Shengli Oilfield for further displacement and storage via green transport mode, achieving an integrated application of carbon capture, displacement and storage to seal the carbon dioxide underground and drive the oil out – turning the waste into treasure.

Sinopec Qilu has newly constructed a liquid carbon dioxide recovery and utilization unit with a capacity of 1 million tons per year, which includes compression unit, refrigeration unit, liquefaction refining unit and supporting facilities to recover carbon dioxide from the tail gas of coal-to-hydrogen plant with a purification rate of over 99 percent.

Meanwhile, Shengli Oilfield is applying the principle of supercritical carbon dioxide's easy miscibility with crude oil to build 10 unattended gas injection stations in Zhenglizhuang Oilfield to inject carbon dioxide into the 73 wells nearby to increase crude oil fluidity and improve oil recovery while adopting a closed pipeline transportation of oil and gas to further enhance carbon dioxide sequestration rate.

Taking an early start of CCUS R&D and construction, Sinopec has developed its own CCUS technology system that has achieved good results in improving crude oil recovery and reducing carbon emissions, and some of the capture technologies is in leading position domestically and advanced level in the world.

Sinopec's low partial pressure carbon dioxide capture technology has been successfully applied in more than 50 units of devices across 16 provinces and cities in China, capturing

more than 200,000 tons of carbon dioxide every year. The company has tackled multiple key technological problems. By actively conducting mineral field tests in the East China and Shengli oilfields and exploring the development mode of high-pressure miscible flooding of carbon dioxide, Sinopec has effectively solved the problem of difficult water inject and oil well production in reservoirs of ultra-low permeability, proposed the innovative "throughput displacement coordination" carbon dioxide injection development mode to carry out efficient development of sealed small block reservoirs. Sinopec has also built China's first exhaust gas displacement, cyclic utilization and storage base of high water-cut oil reservoir industrial refinery in Sinopec Zhongyuan Oilfield.

Backed by systematic investigation of China's large-scale carbon dioxide emission sources, Sinopec has researched and drafted the CCUS potential evaluation method and established the Sinopec source & sink database. To date, Sinopec has implemented 36 carbon dioxide flooding projects.

Sinopec is looking to advance the constructions and realize the industrialized development of CCUS. Sinopec will build a CCUS R&D center to focus on the cutting-edge technological breakthroughs including the integration of CCUS with new energy, hydrogen energy and biomass energy. The company will advance the technology applications such as the carbon dioxide production of high-value chemicals and carbon dioxide mineralization and utilization to make breakthroughs in the core technologies and solving the equipment bottlenecks in carbon capture, transportation, utilization and storage.

With the goal of building a carbon dioxide technological innovation system of "technology development-construction project demonstration and industrialization," Sinopec will extend the clean carbon sequestration industrial chain and build the foundation for carbon emission reduction technology innovation.

Between 2021 and 2025, Sinopec will build another megaton CCUS demonstration project in partnership with Sinopec Nanjing Chemical Industries Co., Ltd. in its affiliated Sinopec East China oil and gas fields and Sinopec Jiangsu Oilfield to achieve the industrialized development of CCUS and widen the prospects as China advances to achieve carbon peak and carbon neutrality.

Source : PRNewswire

Ascend Elements to Produce Premium Cathode Active Materials for Navitas Systems

WESTBOROUGH, Mass., Jan. 31, 2022 /PRNewswire/ -- Ascend Elements, the vertically integrated lithium-ion battery recycling and engineered-materials company previously known as Battery Resourcers, announced it has entered into a contract with Navitas Systems, a U.S. leader in comprehensive energy storage solutions and a U.S. Department of Defense (DoD) contractor. According to the contract, U.S.-based Ascend Elements will deliver cathode active material made from recycled batteries and scrap to Navitas Systems in April 2022 for use in a DoD project. This is the first commercial sale of cathode active materials made with Ascend Elements' patented Hydro-to-Cathode™ technology.

"We see this as a milestone for the lithium-ion battery industry. With this agreement, Ascend Elements and Navitas will demonstrate how our Hydro-to-Cathode process elevates the value of recycled battery materials by transforming them into premium cathode active materials to be utilized in manufacturing new lithium batteries. Testing to date indicates the material performs as well as or, in some cases, even better than virgin cathode materials," said Michael O'Kronley, CEO and Director of Ascend Elements. "Our relationship with Navitas Systems will also demonstrate how battery materials sup-

Visit : https://chemicalmarket.net/search for more product listing...

PRODUCT LIST

A

B

D

E

F

G

H

pliers, battery manufacturers, and the U.S. government can collaborate to produce sustainable cathode materials here in the United States, ultimately helping address national security and energy independence concerns, as most critical metals are currently sourced from foreign countries."

"We're looking forward to assessing how our mission-critical applications for the Department of Defense, including batteries for hybrid vehicles and other military equipment, can be well-served by Ascend Elements," said Les Alexander, Vice President, Government, Defense and R&D at Navitas Systems. "Their ability to take recycled batteries and create high-performance cathode active materials holds the potential for us to source locally and securely, which is a priority for our customers. We're pleased to be one of the first to demonstrate a circular lithium-ion battery economy here in the U.S."

"The joint effort between Navitas and Ascend Elements is a major first step in solving several problems in the continued growth in usage of lithium-ion batteries," said Marc Gietter, Chairman of the Military Power Sources Committee of the National Defense Industrial Association (NDIA). "First, it helps demonstrate the potential to minimize the waste stream related to the disposal of these batteries and, second, and probably more important, it is a significant milestone towards ultimately reducing the U.S. military's reliance on foreign-sourced supply chain components."

Source : PRNewswire

Air Liquide to Increase its Presence in India with a New Air Separation Unit in the State of Uttar Pradesh

Air Liquide will invest around 350 Crores Rupees (40 million euros) in a new Air Separation Unit (ASU) dedicated to Industrial Merchant activities in Kosi, in the state of Uttar Pradesh, Northern India. This unit will have a production capacity of 350 tonnes per day, with a maximum of 300 tonnes of oxygen. Air Liquide India will build, own and operate this ASU, which is planned to start operating by the end of 2023.

The new plant will support small-and-medium sized customers of liquid and packaged gases in Northern India. It will allow Air Liquide to meet the growing demand of the automotive, metal fabrication, heat treatment, photovoltaic, and electronics industries, as well as local hospitals requiring high-purity medical gases. When commissioned, Air Liquide's site in Kosi, where the unit will be located, will become the largest liquid gases plant in the State of Uttar Pradesh.

In line with Air Liquide's Sustainability Objectives, which include reaching carbon neutrality by 2050, this plant has been designed to contribute to a successful energy transition by India. The new unit is indeed planned to fully operate on renewable energy by 2030.

The new ASU will contribute to Air Liquide's expansion strategy in India, where the Group has been present for more than 30 years. It already owns and operates 4 ASUs in North & West of India and will finalize in 2022 the construction of a 5th ASU in Nagpur (West India). Air Liquide is committed to continue investing in coming years to accompany the development of India and its growing demand for sustainable solutions.

Pascal Vinet, Senior Vice President and a member of the Air Liquide Group's Executive Committee supervising Europe Industries activities and Africa / Middle East /India hubs, said : "The construction of a new plant in Uttar Pradesh is a very important milestone for Air Liquide in India. This new significant investment will give us the ability to better serve our customers, while also investing in the long-term growth opportunities of this key State. It also shows our confidence in the sustained growth of the Indian industry. This investment is in line with Air Liquide's Sustainable Objectives as this ASU is meant to ultimately solely run on renewable energy.

Source : Air Liquide

Yasho Industries Limited 9mfy22 Highlights - Robust Performance Continues Led by Good Demand in Domestic and Export Markets

- Revenue at Rs 437.6 Cr, a growth of 69% YoY basis
- EBITDA at Rs 75.7 Cr, growth of 90% on YoY basis
- PAT at Rs 39.2 Cr, growth of 217% on YoY basis
- Sales volume stood at 8,051 MT, a growth of 49.5% on YoY basis

Mumbai, January 31st, 2022: Yasho Industries Limited (BSE: 541167 | ISIN: INE616Z01012) a leading Indian manufacturer & supplier of specialty and fine chemicals, has announced its unaudited financial results for the Quarter and Nine Month ended on December 31st, 2021.

Mr. Parag Jhaveri, Managing Director & CEO, Yasho Industries Limited said, "We are delighted to report our quarterly and nine-month performance in terms of volumes, sales, and profitability, which has been driven by a mix of improved product mix and price realization. Total revenue for 9MFY22 was Rs 437.6 crores, an increase of 68.7% percent year on year. On a year-over-year basis, our sales volume increased by 49.5% and our EBITDA increased by 12.4% in 9MFY22.

We offer a comprehensive range of products to customers in India and around the world. Demand for all principal chemicals in our portfolio has been strong, led by the value-added products. Relentless efforts of our R&D team are the key contributor to our company's growth and success. Over the years, we have increased our R&D spend to provide quality products to our clients. Furthermore, our technological capabilities have assisted us in identifying process bottlenecks and implementing specific initiatives to increase efficiencies and reduce costs. Our project of capacity expansion at our Unit 1 & Unit 2 has been completed and the company will benefit from this over the next few quarters."

Particulars (Rs in Crores)	Q3 FY22	Q3 FY21	Y-o-Y	Q2 FY22	Q-o-Q	9M FY22	9M FY21	Y-o-Y
Total Revenue*	166.35	97.5	71%	137.2	21.2%	437.66	259.37	68.7%
EBITDA	28.22	15.48%	82%	25.2	12%	75.74	39.94	89.6%
EBITDA Margin (%)	17%	15.9%		18.4%		17.3%	15.4%	
PAT	14.56	6.36	129%	13.7	6%	39.2	12.37	217%
PAT Margin (%)	8.8%	6.5%		10.0%		9.0%	4.8%	

Source : Chemical Market

New Product from Sanitized Water-Based Comprehensive Protection for Coatings Effective Against All Significant Microorganisms - Plus Bpr-Compliant

Burgdorf/CH, 1 February 2022: SANITIZED AG, a specialist in hygiene function and material protection for plastics, is expanding its Sanitized® Broadtec™ product range with a new, water-based product: Sanitized® PL 19-30. Sanitized® PL 19-30 offers comprehensive protection against bacteria, mold, algae, and fungi. The water-based

EVENTS AND CONFERENCES

COATINGS FOR AFRICA

Date: May 04-06, 2022
City: Sandton Convention Centre, Johannesburg
Country: South Africa
Website: https://www.coatingsforafrica.com/

Description: With a rich history of success, through its association with the Oil and Colour Chemists' Association (OCCA) and South African Paint Manufacturing Association (SAPMA), Coatings For Africa is the largest dedicated coatings event in Africa for raw material and service suppliers, equipment and paint manufacturers. For three days, the trade exhibition along with the Coatings For Africa Conference, facilitates serious business and networking opportunities for the coatings community.

The event creates the perfect environment for manufacturers, raw materials suppliers, distributors, buyers and technical specialists like formulators from the coatings industry to meet face-to-face and do business. That's not all, the event offers the opportunity to gather insight on the latest processes, exchange ideas with industry leaders and build a strong network in the African continent.

PAINT INDIA

Date: March 10-12, 2022
City: Jio World Convention Centre, Mumbai
Country: India
Website: http://www.paintindia.in/

Description: PaintIndia is the premier trade fair for the paints, coatings and allied industries in this part of the world, and the third largest show of its kind the world over. It has been in existence for over 25 years now, and has been the fastest growing event globally in this space. It comes from the same lineage as the magazine of the same name, which has been serving the Industry for over 70 years now. More recently, it has been fortified and strengthened globally with the joint ownership between the erstwhile owners and the owners of the European Coatings Show

PAINT ISTANBUL TURKCOAT

Date: March 17-19, 2022
City: Turkey
Country: Istanbul
Website: https://ilikevents.com/event/10677-paintistanbul-&-turkcoat

Description: Paintistanbul & Turkcoat will be held 17 to 19 Mar 2022 in Istanbul, Turkey. Paintistanbul & Turkcoat is Turkey's Leading Paint & Coatings Exhibition. Local and international exhibitor companies will have a chance to make important business connections and meet professional visitors from all around the world. Visitors of the exhibition will have the opportunity meet face to face with hundreds of leading companies in one place, and get to know the latest products and technologies. The important aspect of Paintistanbul & Turkcoat will be the "International Paint Industry, Raw Materials, Auxiliary Materials and Technologies Congress" which is the largest congress in this field. With the important merger, Paintistanbul & Turkcoat will be hosting the professional visitor portfolios of both exhibitions together for the first time. Therefore, 15,000 industry professionals are expected to visit the exhibition. Paintistanbul & Turkcoat is an event and I like events...

EVENTS AND CONFERENCES

AMERICAN COATINGS SHOW

Date: April 05-07, 2022
City: Indiana Convention Center Indianapolis, United States
Country: United States
Website: https://www.tradeindia.com/tradeshows/96059/american-coatings-show-conference-2022.html

Description: American Coatings Show and Conference 2022 is the trusted conference and trade show, showcasing Adhesives, Centrifuges, Chemicals, Coatings, Laboratory Equipment. American Coatings Show and Conference 2022 is being held from 05-07 April 2022 at Indiana Convention Center. This show will draw in particular and centered groups of onlookers who will have the chance to meet with industry experts and key business sector controllers. It will give you a chance to meet new and existing clients effectively searching for new suppliers.

CPHI JAPAN

Date: April 20-22, 2022
City: Tokyo Big Sight, Koto
Country: Japan
Website: https://10times.com/icse-japan

Description: CPhI Japan is an international event focusing on the overall development of the pharmaceutical and medical industries worldwide. The event aims at increasing the overall domestic production along with the active participation of all stakeholders. This event shows products like providing the global overview of this sector with new innovations and research techniques that are already on or in the anvil etc. in the medical & pharmaceutical, packaging materials, plant, machinery & equipment, research & development industries.

PAINT EXPO GERMANY

Date: April 26-29, 2022
City: Karlsruher Messe und Kongress GmbH, Karlsruhe,
Country: Germany
Website: https://10times.com/paintexpo

Description: PaintExpo is the worldwide leading trade fair for suppliers and users of industrial coating technology. It brings together many top decision makers from companies who use coating processes.

Event information may be out of date due to the coronavirus (COVID-19). Confirm details with event organisers. This page was last updated on Nov 10th 2021

product is created exclusively with BPR-compliant active ingredients.

Microorganisms like bacteria, mold, algae, and fungi lead to staining, hygiene problems, and material fatigue on artificial surfaces. The innovative product Sanitized® PL 19-30 combines a variety of active ingredients to ensure broad, antimicrobial-comprehensive protection through a singular additive.

Hygiene and material protection for gloves and various plastic products used close to the body

This new product offers a water-based form that is ideal for many applications, including natural and nitrile rubber, latex, and various PU applications. For example, one ideal application is for polymer gloves manufactured using a dip process. SANITIZED AG has already applied for an OEKO-TEX® 100 listing for its newest product in the Broadtec™ product portfolio. Its compatibility with the OEKO-TEX® label offers additional peace of mind in terms of skin tolerance. This is an important aspect for gloves in professional environments, such as in construction and trades, but also in households. Moreover, it is also significant when it comes to coatings for seating, such as those with artificial leather.

BPR-compliant: Prepared for future European regulations

Sanitized® PL 19-30 exclusively uses BPR-compliant active ingredients in order to comply with future regulations. This new product is therefore ideal for the antimicrobial treatment of products for the European market.

Sanitized® Broadtec™ product family

The Sanitized® Broadtec™ product range offers innovative additives in various dosage forms. The additives equip polymer products with comprehensive protection against microbes. Tried and tested active ingredients are combined in a single additive. Together, they ensure a long-lasting and broad spectrum of efficacy against bacteria, mold, yeasts, algae, and fungi that damage materials and cause odors and stains.

Source : Chemical Market

Domo Chemicals Expands Access of Technyl® to Customers Worldwide

- The full TECHNYL® portfolio is now available to customers globally, including key brands such as TECHNYL® 4EARTH® TECHNYL STAR® and TECHNYL® PROTECT
- DOMO Chemicals secured the production and distribution of TECHNYL® after acquiring rights from Solvay in 2020
- Worldwide rollout is a key milestone in DOMO's sustainable growth strategy

Ghent, February 1, 2022 - DOMO Chemicals, the leading supplier in the European polyamide industry, has made its TECHNYL® branded products available to customers globally.

After acquiring Solvay's European Performance Polyamides business in 2020, DOMO is now exclusively producing and commercializing TECHNYL®, providing the worldwide market with the brand's near 70 years of experience. Since 1953, TECHNYL® has offered the full range of polyamide 66 / polyamide 6 based solutions, widely used in diversified applications.

"We deeply believe in the future of the TECHNYL® brand, and crossing this important milestone will help us to keep growing with our global customers with particular focus on the automotive, E&E and industrial and consumer goods market segments," commented Ludovic Tonnerre, Chief Commercial Officer International Markets at DOMO.

Indeed, key applications served by TECHNYL® include high thermal and chemical resistance materials, light engineering solutions (metal, aluminum and thermoset replacements), flame retardant materials for advanced electrical protection, high aesthetic materials with the addition of new solutions for extrusion and friction and wear

resistance.

Furthermore, in the e-mobility space, beside the new ORANGE shaded flame retardant TECHNYL®, specially designed product for high-voltage components and cabling, DOMO is offering a complete set of materials designed to offer mechanical, hydrolysis, flame retardancy and impact performances to a variety of battery components.

On top of this, the TECHNYL® 4EARTH® range is providing a competitive and sustainable polyamide alternative. Lifecycle assessments show that the carbon footprint of these products is reduced by a quarter, while consumption of non-renewable resources is halved and water use reduced by more than two-thirds compared to traditional compounds.

Tonnerre added: "This is a significant step on our path to strengthen DOMO Chemicals' nylon-based engineering materials business. The introduction of TECHNYL® globally will be a door opener for DOMO as a global player supporting our customers worldwide. The new range of solutions are addressing key megatrends such as e-mobility and sustainability in terms of low GWP and circularity across all industries.

All customers are fully supported by DOMO's SERVICE HUB. This is a unique platform that offers a complete portfolio of services for customers to pick and choose from, whether it's material selection, part testing or several services in between.

Source : Chemical Market

Lanxess and Matrìca Team up to Produce Sustainable Preservatives from Renewable Raw Materials

- Matrìca to supply LANXESS with bio-based raw materials starting in January 2022
- Development of new generation of sustainable preservatives

Mumbai, February 02, 2022 – Specialty chemicals company LANXESS and Matrìca, a joint venture between Versalis (Eni) and Novamont, have partnered to produce sustainable biocide preservatives from renewable raw materials. Starting in January 2022, the Matrìca plant at Porto Torres (Sardinia, Italy) will supply LANXESS with bio-based raw materials from vegetable oils which LANXESS will use to manufacture a new series of industrial preservatives broadening its Preventol range.

With this partnership, both companies aim to significantly advance the production of sustainable preservatives and address the markets' growing demand. The new Preventol preservatives are designed for consumer products, such as household cleaners, laundry care and dishwashing products as well as paints and coatings.

"We are delighted to have Matrìca as a partner at our side," stated Dr. Oliver Kretschik, Vice President of the Biocides business line at LANXESS' Material Protection Products business unit. "Preventol is a well-recognized brand worldwide and one of the standards in industrial preservation. We consider the use of bio-based raw materials as crucial for modern preservatives. With this collaboration we can create a new generation of preservatives based on renewable resources in numerous applications. This approach stresses LANXESS' strategic focus on sustainability and consumer protection."

"Joining forces with an important and acknowledged partner such as LANXESS in the bio-based market segment opens up sustainable development opportunities and a globally extended perspective for Matrìca's bio-products portfolio," said Nicola Melacarne, General Manager of Matrìca.

Matrìca's Matrilox bioproducts range, made from European vegetable raw materials, is derived entirely from renewable sources thanks to an innovative technology that aims to use the molecular complexity of the vegetable raw material to produce chemicals with high added value.

Source : Chemical Market

Free Service to Subscribers - Subscribe Today

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 year(s) to the address given below.
We are sending/enclosed the amount of Rupees _____ _____ by Cheque/Cash/Draft with the subscription form.
I want to opt for WhatsApp service as well. (Please add at least 3 email addresses/ whatsapp numbers)

Email1: _____ WhatsApp #1:_____

Email2:_____ WhatsApp #2:_____

Email3:_____ WhatsApp #3:_____

Thanking you,
Yours faithfully,

Period:
M/s.
Address:

Phone: **Mobile:**
Email:

You can also request a payment link or visit our website for payment. Cheques & Drafts should be drawn in the favour of DCM Media Private Limited. Annual Print Subscription Rs. 600/-

Note : If you do not get our magazine online or on whatsapp for continuous 2 months, please inform us at the earliest, so neccessary 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

DCM Advertising Packages

Options	GOOD	BETTER	BEST	ULTIMATE
Price (INR)	₹ 14,999/yr	₹ 29,999/yr	₹ 59,999/yr	₹ 99,999/yr
Price (USD)	$ 299/yr	$ 499/yr	$ 999/yr	$ 1499/yr
Ad Type	Half Page B/W Ad	Full Page B/W Ad	Full Page Color Ad	Cover Page & Full Page Color Ad
Duration	12 months	12 months	12 months	9 months (Inset Pg)
				3 months (Cover Pg)
Email Marketing	2 Times	4 Times	6 Times	8 Times
Social Media Marketing	Yes	Yes	Yes	Yes
SEO	-	-	Yes	Yes
Online Leads Platform	3 months	6 months	12 months	12 months
Free Subscription (Print or Online) 1 Yr	Yes	Yes	Yes	Yes

We maximize the distribution of our magazine to the most of the exhibitions in the chemical industry and provide a free copy to exhibitors and visitors in these exhibitions.

Visit: https://www.chemicalmarket.net

*Cover Page can be 2nd, 3rd or 4th Cover Page Ads. Depends on Availability and is rotating for several advetisers

Last Updated on March 01, 2019

UPLOAD YOUR PRODUCTS

On chemicalmarket.net

& Get FREE

Magazine Advertisement for 3 months.

BRAND VOICE
You Need one

Go Digital initiative

CALL NOW :- +91 877-9830-330

Offer valid till 31st August 2020

It's time to go digital. Now you have a chance to upload your products and get 3 months of free magazine advertisement.

✹ Terms and Conditions Applied ✹

Terms & Conditions:

- Chemical Products Companies (Manufacturers/Distributors/Wholesalers/Traders) with valid CAS#, HSN Code or Chemical Name are eligible for the offer.
- Uploads should be completed before 24th of the month
- Artwork should be submitted by 30th of the month
- All Products uploads should be accompanied with product images and/ or MSDS are eiligible for free advertisement offer.
- Allied Companies like Packaging & Drums, Logistics, Filtration, Machinery and Equipments are not eligible for this offer.
- Only for New and Current WhatsApp Magazine Subscribers!
- WhatsApp Magazine Subscription Mandatory for Free Advertisement. (Rs 600/- for 2 years)
- If you do not have an advt artwork, we can create a color advt. Design of advt artwork with maximum 5 email/-phone iterations costs Rs. 1000/- per design.

Registered with the Registrar of Newspaper for India R.N.I. No. MAHENG/2013/53419
Date Of Publication: 10th or 11th of Every Month. Place of Posting - Liberty Garden, Malad West, Mumbai -400064. Date of Posting 11th or 12th of every month.

Postal Registration No.
MNW-259/2020-2022

Owner, Printer & Publisher Parimal B. Parikh Published at 401/C Himachal Bldg, Opp. Sunder Nagar, S. V. Road, Malad West, Mumbai 400064. Printed at Alco Corporation, A-Wing, Gala No 28, Ground Floor, Virwani Industrial Estate, Vishweshwar Nagar Road, Goregoan (East), Mumbai - 400063 MH. Mobile: +91-877-9830330/+91-98196-44048 Email : info@chemicalmarket.net Editor: Rajiv P. Parikh