

DYES & CHEMICAL MARKET

APRIL 2021

VOLUME VIII | ISSUE # 9

MUMBAI | PAGES 68



A MONTHLY MAGAZINE DEVOTED TO

DYES CHEMICALS PHARMACEUTICALS API TEXTILE AUXILIARIES PAINTS SOLVENTS COSMETICS

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Textured Hair Weve got you Introducing the Effective Formulations of Clariants the Curl Project -Pg 28

Dow to spotlight end-to-end silicone solutions for 5G ecosystem at Pro-ductronica China 2021 -Pg45

Isobionics Santalol distributed by KEVA is now available for the Indian market -Pg56



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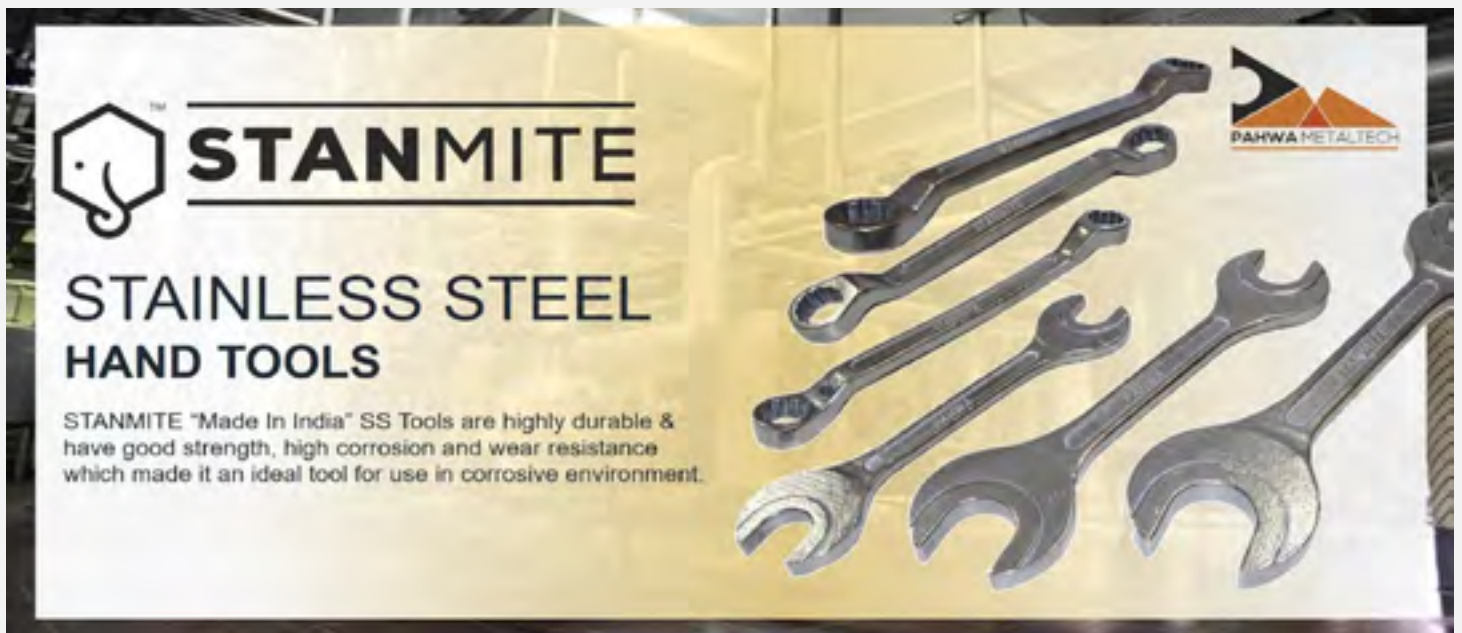
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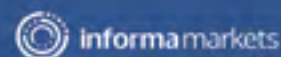
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For information & Inquiry:

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- Laboratory Glasswares
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- Laboratory Equipments & Analytical Instruments
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N-Hexyl Chloride
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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)



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Contact

Bharat Mehta

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WASHINGTON, March 8, 2021 — Chemistry is helping us figure out how life got started on Earth and is giving us molecules to look for on other planets. In this episode of Reactions, we break down what “life” is and how likely we are to find it out in the cosmos: <https://youtu.be/f44OWlsLeT0>.

Reactions is a video series produced by the American Chemical Society and PBS Digital Studios. Subscribe to Reactions at <http://bit.ly/ACSReactions> and follow us on Twitter @ACSReactions.



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Source : Chemical Market



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- Acid Orange Liquid
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Cphi - Informa Group

No	Exhibitions	Date	Place
1	CPhI North America	Aug 10-12, 2021	Philadelphi
2	CPhI Worldwide Germany	Nov 9-11, 2021	Fiera Milano, Milan, Italy
3	CPhI Middle East & Africa	Sept 26-28, 2021	Riyadh, Saudi Arabia
4	CPhI China- Virtual CPhI	Dec 16-18, 2021	Shanghai, China
5	CPhI Japan	Apr 14-16, 2021	Tokyo, Japan
6	CPhI Korea	Oct 11-13, 2021	Seoul, India
7	CPhI India	Nov 24-26, 2021	Noida, India

MECD (Coating Show)

1	Asia Pacific Coatings Show	Sept 01-03, 2021	Indonesia, Jakarta
2	Middle East Specialty Chemicals Show	June 15 2021	Dubai
3	Middle East Coatings Show	Sept 27-29, 2021	Dubai
4	Coatings For Africa	June 02-04, 2021	Sandton, South Africa

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CHEMS

1	Dye+Chem Morocco International Expo	Nov 24-27, 2021	Morocco
2	Dye+Chem Sri Lanka International Expo	Sept 23-25, 2021	Colombo Sri Lanka
3	Dye+Chem Bangladesh International Expo	Sept 01-04, 2021	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	Apr 02-04, 2021	Dhaka, Bangladesh
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Turkey (Arkim Group)

1	InterDye Textile Printing Eurasia	Mar 11-13, 2021	Istanbul
2	Paint Istanbul TURKCOAT	Sept 09-11, 2021	Istanbul
3	Paint Expo Eurasia	Nov 25-27, 2021	Istanbul

Other Exhibitions

1	Paint India	Mar 11-13, 2021	Goregaon, Mumbai
2	Expo Paint and Coatings	July 8-10, 2021	New Delhi, India
3	CIPi	Note Sure	Mumbai, India
4	Chemspec Europe	Sept 29-30, 2021	Messe Frankfurt, Germany
5	ChemUK 2021 Expo	Sept 15-16, 2021	NBC, Birmingham, UK
6	American Coatings Show	Apr 05-07, 2022	Indianapolis
7	China Coat China	Nov 16-18, 2021	Shanghai, China Shanghai
8	Interdye China	Sept 27-29, 2021	China
9	Paint Expo Germany	Apr 26-29, 2022	Germany

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Caustic Lye	200 Tons	
Copper Sulphate	10 Tons	
Copper Nitrate	10 Tons	
Titanium Dioxide Ana-tase Grade	3 Tons	
BF3 [Borone Trifluoride]	2 Tons	
Glycerin	5 Tons	-

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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, Malerkotla - 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, Dariasthan 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

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N-BUTANOL	2500 KGS	

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Product Name	Qty	Grade
NaOH flakes	360 Kg	Chemical
Sodium Metabi Sulphate	255	Chemical
Sodium Hypochlorite	480 Kg	Chemical
HCL	1115 Kg	Chemical
Alum	160 Kg	Chemical
Industrial Salt	10800 Kg	Chemical
Oil Disperant	207 Kg	Chemical
Polyelectrolyte Anionic	235 Kg	Chemical
Genesys RC (Anti-scalant)	962 Ltr	Chemical

Details : Required Rate with MSDS and Other Certificate

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Plot # A-269, Road # 33 A, Wagle Industrial Estate,

Near ESIS Hospital, Thane (West)-400604.

Maharashtra, INDIA

Web: www.zenengineering.net

Email: purchase@zenengineering.in

Switchboard.: +91-989-283-1911

Product Name	Qty	Grade
Iso Propyl Alcohol		

Details :

Rajkumar Mandal

Mytepol India

Email : info@mytepol.com / Mobile : +91-996-780-0437

Product Name	Qty	Grade
Borax	Bulk	

Details :

Sandip Agarwal

Supreme Borochem Private Ltd

E-mail : sandip@sbpl.co.in Mobile : +91-983-100-1334

Product Name	Qty	Grade
Fast Red RI Base		Industrial

Details :

Vibhu Vaidya

Krupalu Dye Stuff Industries

Email : krupalu@ymail.com

Mobile : 9408554819

Product Name	Qty	Grade
Acrylic Acid		

Details :

Janardhan

Katyayani Polymers

Email : katyayanipolymers@gmail.com

Mobile: +91-995-990-0375

Product Name	Qty	Grade
2,3 DCP (CAS # 2402-77-9)	15 MTs	

Details : Required in June and August.

Dr. Deepak Birewar

Inventys Research Company

Email : dbirewar@inventys.in

Mobile : +91-961-966-6333

Product Name	Qty	Grade
Detergent and Home Care Product	Container Truck load	

Details : Prefer direct manufacturer or exporters only.

Jagdish Thakral

Shri Hariram Export Pvt. Ltd.

Email: jthakral@kailashgroup.com (preferred)

Phone : 0712-273-4041

Product Name	Qty	Grade
Pharma Intermediates	-	

Details :

Arnish

Chemox Chemopharma Industries

Email : vekariya.arnish@ymail.com

Mobile: +91-990-908-3070 (preferred)

Product Name	Qty	Grade
Acetonitrile - Virgin - 99.9% pure - CAS Number: 75-05-8	-	

Details : No recycled or recovered Acetonitrile, only fresh material please.

Mr Kunal Kamat (Procurement Agent)

Kunal Chemicals Trading

Email : kunalchemicaltrading@gmail.com (preferred)

Mobile : +91-932-001-3358

Product Name	Qty	Grade
CAS NO 60-00-4 - EDTA Acid	-	

Details :

Parthiv

Shiv Chem Industries

Email : chelateshivchem@yahoo.co.in

Tel.: 079-2282-3447

Product Name	Qty	Grade
Sofosbuvir and Daclatasvir		

Nirav Patel

Indamed Pharmaceuticals Pvt. Ltd.

Email : indamedpharma@yahoo.co.in

Mobile : +91-968-787-7922 (Preferred)



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Product Name	Qty	Grade
Glycerine Terpinol		
Details : Sanjay Rokad Shreeji Enterprise 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
AMITRAZ 12.5 ec liquid	25-30 Lt	
Details : I require AMITRAZ 12.5 ec liquid for re- packing on monthly basis 25 to 30 ltrs Gagandeep Singh Amritsar Mobile: 99158-44307 Email : vetsafepharma15@gmail.com		

Product Name	Qty	Grade
N-Ethyl-2-Pyrrolidone NEP	8000 Kgs	Technical
Details : Vandit Shah Pune, Mh Mobile: 9327238521 Email : vandit09@gmail.com		

Product Name	Qty	Grade
2,4,6 Trichloro Aniline	100 Kgs	Chemical
Details : please send us the details PRAVIN IYER Vadodara, Gujarat Mobile: 9898507767 Email : pravin.iyer@atpigments.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 Tons	
Details : Raj Shah NASSOLKEM, BUL BUL (Manufacturer) Email : natchem@gmail.com Mobile : 7069039335		



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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
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
Sodium Hypochlorite	500 Kgs	Chemical

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

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

Dimethylsuccinyllo 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

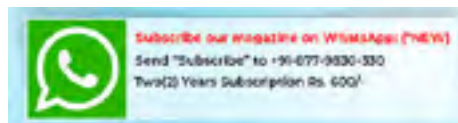
Details :

Pravin Iyer

AT Pigments (Manufacturer)

Email : pravin.iyer@atpigments.com

Mobile : 9898507767



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Product Name	Qty	Grade
Titanium dioxide		
Details : P. DO. SHAH SEMITONE INDIA (Manufacturer) Email : prakash@pcf.co.in Mobile : 918850655380		

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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		

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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		

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Product Name	Qty	Grade
Alfa Naphthols		
Diethyl Meta Toluidine		
2 Nitro Di Methyl Terephthalate		
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, Dariyasthan 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



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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		
Industrial 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
Diffubenzurone	250 Kg 500 Kg	

Details :

CHANDRESH HAPANI

ANIMED (Distributor)

Email : animed6@yahoo.co.in

Mobile : 9830175616



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Product Name	Qty	Grade
Sulphur Powder		
Sulphur Roll		
Details : we are manufacturers 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		
Emulsifier		
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		



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Printer and Publisher:

Parimal Parikh

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Online Subscription:

www.chemicalmarket.net/magazine/subscribe

Content:

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Printed at:

Alco Corporation

A-Wing, Gala No 28, Virwani Industrial Estate, Vishveshwar Nagar Road, Goregoan (East), Mumbai - 400063

DCM Media Office Address:

DCM Media Private Limited
513, Lotus Business Park, Ram Baug, Chincholi, Off S. V. Road, Malad West, Mumbai - 400064

Phone: 98196-44048 / 91-877-9830330

Designer:

Pranisha P. Jadhav

Published by

Parimal B. Parikh at

401/C Himachal Bldg, Opp. Sunder Nagar, S.V.Road, Malad (West), Mumbai 400064.

Mobile: 91-87798-30330

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CHEMICAL MARKET

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

Indian Chemical Industry IPOs. How are they doing?

There's has been a surge of Chemical Companies IPO launch in recent times. In general, the stock market has also been a roller coaster ride lately and has been high since last year after the Covid-19 lockdown. The IPOs that came to being in the past few years are listed below. Where do they stand today and what's in it for the times to come?

#	Issuer Company	Listing Date	Issue Price (In Rs)	Issue Size (in Cr)
1	Laxmi Organic Industries Limited IPO	25-Mar-21	130	600
2	Anupam Rasayan India Limited IPO	24-Mar-21	555	760
3	Chemcon Speciality Chemicals Limited IPO	1-Oct-20	340	318
4	Rossari Biotech Ltd IPO	23-Jul-20	425	496.49
5	Neogen Chemicals Limited IPO	8-May-19	215	132.35
6	Deep Polymers Limited IPO	23-Aug-18	40	15.24
7	Fine Organic Industries Limited IPO	2-Jul-18	783	600.2
8	Yasho Industries Limited IPO	2-Apr-18	100	28.99
9	Galaxy Surfactants Limited IPO	8-Feb-18	1480	937.09
10	Yug Decor Ltd IPO	31-May-17	26	2.88
11	Chemcrux Enterprises Ltd IPO	28-Mar-17	18	2.4
12	Yash Chemex Ltd IPO	20-Jun-16	23	2.51
13	Shree Pushkar Chemicals and Fertilisers Ltd IPO	10-Sep-15	65	70
14	Fineotex Chemical Ltd IPO	11-Mar-11	70	29.48
15	Omkar Speciality Chemicals Ltd IPO	10-Feb-11	98	79.38
16	Alkali Metals Limited IPO	6-Nov-08	103	26.27
17	Kiri Dyes and Chemicals Limited IPO	22-Apr-08	150	56.25
18	Meghmani Organics Limited IPO	28-Jun-07	19	102
19	Asahi Songwon Colors Ltd IPO	4-Jun-07	90	33.5

On a higher level view, the Chinese economy has been suffering due to the pollution norms which made several hundred thousand factories stranded to comply with new pollution norms. This gave a great opportunity for the Indian chemical companies to flourish. Moreover the exports that used to happen from China at a very steep discount when there were no pollution norms will be forced to come at a competitive prices with Indian manufacturers and whenever there's a choice, the customers will always choose Indian manufacturers then Chinese products. Also, there has been a trade war on the verge of escalation, mostly from US and European countries that will help Indian manufacturers to export more. (data from NSE/BSE)

Rajiv Parikh



What Does Construction Recovery Mean for Polyaspartic Coatings Demand? Fact. MR Study Reveals

NEW YORK, March 12, 2021 / PRNewswire/ -- Adoption of polyaspartic coatings continues to grow, with a new report by Fact.MR estimating revenues to grow at nearly 5.5% through 2031. Growing demand of water-based coatings, especially the hike witnessed after COVID-19, has accelerated the adoption of polyaspartic coatings in U.S.

According to latest study by Fact.MR, steady recovery in construction industry has attracted stakeholders fueling the sales globally. However, growing inclination towards water-based coatings to boost polyaspartic coatings sales in

China.

According to a press release by The Construction Association of America, in March 2021, construction spending had an upsurge in January as private non-residential sectors gained momentum. Construction spending in U.S. totaled \$1.52 trillion with an increase of 1.7%, which is 5.8% higher than in January 2020. Hence, aiding the growth for polyaspartic coatings in North America.

"Speedy recovery of construction industry and increasing demand for water-based coatings from the end-users

are fostering the sales of polyaspartic coatings. Backed by highly developed manufacturing hubs and advanced construction and transportation industry, polyaspartic coatings sales to manifold through 2021," says a Fact.MR analyst.

Read the full report : https://www.factmr.com/connectus/sample?flag=S&rep_id=5605

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Electric Vehicle Polymers Market Outlook in North America to 2028: Demand for High-Performance Polymers in Electric Vehicles

The research report suggests that the North America electric vehicle polymers market will register revenue growth at a CAGR of 29.80% in the considered years 2019-2028. The United States and Canada shape the market in this region.

In the United States, the surge in the application of polymers in electric vehicles is mainly because of an increase in the adoption and sales of these vehicles. The stringent regulations to improve electric vehicle adoption are also assisting in the growth of the studied market in North America. Moreover, the massive investments by established OEM automotive companies in electric vehicles will augment the demand for the electric vehi-

cle polymers market during the forecast period.

Additionally, the strategic actions are influencing the consumers to shift from ICE to electric vehicles in the country. These include the development of the Evolve NY program to expand electric vehicles in New York, rebate programs for EV charging stations, and investment opportunities for advanced electric projects. All these factors are positioning the market on a growth path.

Canada's automotive industry also comprises the assembly plants of automotive parts and systems. Also, similar regulations to that of the United States and government support for the promotion

of electric vehicle adoption are likely to positively impact the electric polymers market's growth in the upcoming years. Further, the government is targeting to boost the EV charging infrastructure in the next few years through large investments. Such initiatives are projected to advance electric vehicle sales and positively impact the electric vehicle polymers market during the estimated years.

Read the full report : https://www.polyplastics.com/en/docs/lp/201901_01/index.vm

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



Sinopec Accelerates Hydrogen Development to Build A Global Leading Clean Energy Chemical Company

BEIJING , Mar. 12, 2021 / PRNews-wire / - Mr. Ma Yongsheng, President of China Petroleum & Chemical Corporation (HKG: 0386, "Sinopec") and an academic at the Chinese Academy of Engineering, proposed the development of the hydrogen industry during the two sessions that were held in Beijing recently. Mr. Ma suggested that more efforts should be made in the areas of top-level design, core technology, R&D, standard systems formulation, and industrial policy support.

As a secondary energy source, hydrogen is playing an increasingly important role on the world stage. At present, China has made significant advances in hydrogen energy technologies, but the hydrogen energy industry remains in the pilot demonstration and promotion phase.

Mr. Ma pointed out the many benefits of hydrogen energy, such as the multiple sources, zero-end discharge, and wide range of uses. According to the International Hydrogen Council, hydrogen energy will reduce carbon dioxide emissions by six billion tons by 2050. Meanwhile, the China Hydrogen Energy Alliance predicts that China's annual hydrogen needs will be close to 60 million tons by 2050, which would help the country cut 700 million tons of its carbon dioxide emissions.

Since 2020, China has successively published the "Announcement on the Introduction of Demonstration Applications for Fuel Cell Vehicles" and the "Development Plan for New Energy Vehicle Industry (2021-2035)", as well as supporting plans and strategies to promote research and development in the field of hydrogen energy, produc-

tion, storage , Transportation and application have been introduced by local authorities across China . As of the end of 2020, China had a fleet of 7,352 fuel cell vehicles, 128 hydrogen filling stations with 101 were already in operation and ranked second only after Japan in the world .

Sinopec currently produces 3.5 million tons of hydrogen per year. In 2020, Sinopec began to drive and accelerate the building of an integrated hydrogen energy industry chain in various areas - capital operation, technology R&D, production storage and transportation, network distribution and social collaboration.



Sinopec has built hydrogen filling stations in Guangdong , Shanghai , Zhejiang , Guangxi, and more, and 10 oil-hydrogen blending stations are now in operation.

As part of China's 14th Five-Year Plan, Sinopec has included "clean" in its corporate vision for the first time. With the goal of building China's largest hydro-

gen energy company, Sinopec will also promote clean energy building by accelerating the conversion of hydrogen sources from gray hydrogen to blue and green hydrogen.

"During the fourteenth five-year plan, Sinopec will build 1,000 hydrogen filling stations and transform them into a service provider for oil, gas, hydrogen, electricity and non-oil companies," said Mr. Ma. "In the future, Sinopec filling stations will not only pump gasoline and diesel, but also hydrogen and electricity, among other things."

In order to better promote the market application of the hydrogen energy industry, Sinopec, as the official partner of the 2022 Winter Olympics, will guarantee the supply of clean energy for the construction and operation of the infrastructure of the game in order to make a "Green Winter Olympics" possible

Therefore, Sinopec Beijing Yanshan Petrochemical Company has built a hydrogen purification plant, which successfully produced hydrogen with a purity of over 99.9 percent in March, in 2020 a daily production capacity of 500 kilograms of battery hydrogen products will be achieved to meet the demand of the market.

Read the full report <https://www.researchandmarkets.com/r/oac3ty>

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



Lanxess Management Makes Sustainability Its Business

- Board of Management compensation tied to sustainability goals
- All sustainability activities bundled and assigned to Board of Management members' portfolios

Cologne, March 9, 2021 – LANXESS is embedding sustainability even more firmly in the company. A new system of compensation for the Board of Management has been in place since the

beginning of the year. Roughly one-third of the variable compensation is now linked to the company's sustainability performance. More specifically, the company's performance in the areas of climate protection and occupational health and safety will be factored into the system for 2021.

80 percent of the short-term variable compensation now depends on the operating result (EBITDA pre exception-

als) and 20 percent on occupational health and safety, as measured in terms of lost time injuries.

Roughly 60 percent of the long-term variable compensation is based on the performance of the LANXESS stock price relative to the MSCI World Chemical Index and roughly 40 percent on the reduction of greenhouse gas emissions. In 2019, LANXESS set itself the goal of becoming climate-neutral by 2040.



The new compensation system will be proposed to LANXESS stockholders for approval at the Annual Stockholders' Meeting on May 19, 2021.

Sustainability as responsibility of

the Board of Management

The specialty chemicals company has also assigned the topic of sustainability directly to the members of its Board of Management. This covers climate protection and energy, occupational health and safety, environmental protection, products and circular value chains,

employees and corporate culture, and transparent reporting on achievement of sustainability. Through its newly created Sustainability Committee, all member of the Board of Management will make joint decisions on major sustainability projects.

“We are very aware of our corporate responsibility, which is why sustainability is a guiding principle of our actions. But it is also increasingly becoming a competitive advantage - with customers, talents and on the capital market. By adapting our incentive systems and our structures, we are anchoring sustainability even more firmly in the company,” explains Matthias Zachert, Chairman of the Board of Management of LANXESS.

Source : Chemical Market

Textured Hair Weve got you Introducing the Effective Formulations of Clariants the Curl Project

- Thoughtfully-crafted hair care products with proven effectiveness in bringing out the best in different curl types
- Claims tested volume/frizz control, easy detangling & repair using specialty ingredients
- Join our launch webinar for more

consumer & ingredient insights and formulation data on March 16, 2021 at 2 PM ET

Continued On Page 39



ABBOTT INTRODUCES NEUROSPHERE™ VIRTUAL CLINIC, FIRST-OF-ITS- KIND REMOTE NEUROMODULATION PATIENT-CARE TECHNOLOGY IN THE U.S.

- Newly FDA-approved system allows a patient to both communicate with a physician and remotely receive stimulation settings in real time regardless of location*
- NeuroSphere Virtual Clinic utilizes advancements made in digital technology to optimize care through intuitive tools that enhance therapy management
- Virtual clinic technology can change the treatment approach for patients who live far from necessary medical care or who are burdened by visiting the doctor in person

ABBOTT PARK, Ill., March 8, 2021 /PRNewswire/ -- Abbott (NYSE: ABT) today announced the U.S. launch of NeuroSphere™ Virtual Clinic, a first-of-its-kind technology that allows patients to communicate with physicians, ensure proper settings and functionality, and receive new treatment settings remotely as needed. Approved by the U.S. Food and Drug Administration, the NeuroSphere Virtual Clinic has the potential to increase access to optimal treatment for patients suffering from chronic pain or movement disorders who don't live close to a care provider, have difficulty accessing care, or are unable to go to the doctor because of cir-

cumstances like COVID-19.

Abbott's NeuroSphere Virtual Clinic gives patients the flexibility and comfort of receiving care anywhere* by connecting with their doctor via secure in-app video chat and an integrated remote programming feature, now available within the proprietary Abbott patient controller app. NeuroSphere Virtual Clinic enables clinicians to prescribe new treatment settings remotely to the patient's neurostimulation device using the clinician programmer app and a new, simple and secure remote care connection. This advancement gives patients confidence in their care and the convenience to manage their therapy in a way that fits their lifestyle.

"With NeuroSphere Virtual Clinic, physicians can communicate and digitally prescribe new stimulation settings remotely, allowing them to extend care beyond their clinic walls and optimize therapy management," said Timothy Deer, M.D., DABPM, president and chief executive officer of The Spine and Nerve Center of the Virginias in Charleston, W.Va. "This is a significant advancement for chronic pain patients."

"NeuroSphere Virtual Clinic solves considerable issues patients with movement disorders, such as Parkinson's disease or essential tremor, can have in obtaining the care they need," said Drew Falconer, M.D., neurologist and director, Inova Parkinson's and Movement Disorders Center in Fairfax, Va. "Often, patients must be off their medication overnight, so that their treatments can be adjusted properly, which can make it difficult for a patient to travel to their specialist. With NeuroSphere Virtual Clinic, patients can receive stimulation settings from their physicians in real time and remotely via cloud and Bluetooth-based technology, which is something we have never been able to do before. This opens up a world in which patients can receive the care they need anytime, anywhere.*"

The NeuroSphere Virtual Clinic can also be helpful for people who live in areas — both rural and urban — with inadequate access to medical services. On average people living with movement disorders will travel over 150 miles to access specialists offering deep brain stimulation (DBS).¹ Without alternative solutions, such as digital and/or telehealth options, these patients are more likely to delay or forego much-needed care.² NeuroSphere Virtual Clinic brings the convenience and flexibility of telemedicine to neurostimulation therapy, further benefitting chronic pain and movement disorder patients with Abbott devices. Medicare will cover remote programming services as a telehealth benefit through the duration of the public health emergency.

"A decade ago, we started evaluating the hurdles that patients had to overcome to receive neuromodulation treatment, and we have been working ever since to find a better way to connect providers and patients — with the goal of empowering patients to decide how to access the care they need," said Keith Boettiger, vice president, Neuromodulation, Abbott. "We are continuing to make these kinds of investments and working with regulatory authorities to make these telehealth changes permanent, as we believe that patients should be able to receive the care they need, regardless of whether they can make it physically to the doctor's office."

The NeuroSphere Virtual Clinic is compatible with Abbott's suite of neuromodulation technologies, including Infinity™ DBS System for patients with Parkinson's disease and tremors of the upper extremities in adults with essential tremors; Proclaim™ XR SCS System for patients living with chronic pain of the trunk and/or limbs; and Proclaim™ DRG Neurostimulation System for patients with chronic pain in the lower limbs caused by complex regional pain



syndrome or causalgia. This integration across all Abbott neuromodulation technologies highlights Abbott's relentless pursuit of patient-centered research and development methodologies that use neuroscience combined with cutting-edge technology to go beyond physical symptom relief to improve the lives of people with neurological disorders.

*Anywhere with a cellular or Wi-Fi connection and sufficiently charged patient controller.

Source : Abbott

FDA ACCEPTS DUPIXENT® (DUPILUMAB) FOR REVIEW IN CHILDREN WITH MODERATE-TO- SEVERE ASTHMA

- Submission supported by data demonstrating Dupixent significantly reduced severe asthma attacks and is the only biologic to improve lung function in children aged 6 to 11 years with asthma in a randomized Phase 3 trial, while also further adding to the well-established safety profile of Dupixent
- Dupixent has the potential to be a best-in-class treatment option in this younger population of children aged 6 to 11
- Acceptance represents another milestone in the development of Dupixent in addressing diseases driven by type 2 inflammation

PARIS and TARRYTOWN, N.Y. – March 4, 2021 - The U.S. Food and Drug Administration (FDA) has accepted for review the supplemental Biologics License Application (sBLA) for

Dupixent® (dupilumab) as an add-on treatment for children aged 6 to 11 years with uncontrolled moderate-to-severe asthma. Dupixent is currently approved as an add-on treatment for patients with uncontrolled moderate-to-severe asthma aged 12 and older with elevated eosinophils or oral corticosteroid dependent asthma. The target action date for the FDA decision is October 21, 2021 and the EU regulatory submission for children aged 6 to 11 years with asthma is planned for Q1 2021.

In the U.S., approximately 75,000 children aged 6 to 11 years are living with uncontrolled moderate-to-severe asthma, which can carry a significant burden for children and their families. Despite treatment with current standard-of-care inhaled corticosteroids and bronchodilators, these children can still experience coughing, wheezing, and difficulty breathing. They are also at risk for life-threatening severe asthma attacks that can lead to hospitalization and emergency room visits, and may require the use of systemic corticosteroids which carry significant risks when used long term. Uncontrolled moderate-to-severe asthma can impair lung function, and can interfere with day-to-day activities, such as sleeping, attending school and playing sports.

The sBLA is supported by data that include pivotal Phase 3 results evaluating the efficacy and safety of Dupixent in addition to standard-of-care maintenance therapy in children with moderate-to-severe asthma with type 2 inflammation, characterized by elevated blood eosinophil levels and/or raised fractional exhaled nitric oxide (FeNO) levels. In the trial, Dupixent significantly reduced severe asthma attacks and rapidly improved lung function within two weeks in children aged 6 to 11 years. Safety results were generally consistent with the well-established safety profile of Dupixent in the approved indica-

tion for patients aged 12 and older with moderate-to-severe asthma. Adverse events in the Phase 3 trial that were more commonly observed with Dupixent included injection site reactions, viral upper respiratory tract infections and eosinophilia. Detailed results from this Phase 3 trial will be published later this year.

Dupixent is a fully human monoclonal antibody that inhibits the signaling of the interleukin-4 (IL-4) and interleukin-13 (IL-13) pathways and is not an immunosuppressant. IL-4 and IL-13 are key and central drivers of the type 2 inflammation that plays a major role in asthma, chronic rhinosinusitis with nasal polyposis (CRSwNP), atopic dermatitis and eosinophilic esophagitis.

Source : Sanofi

BLINCYTO® (BLINATUMOMAB) DEMONSTRATED SIGNIFICANTLY PROLONGED EVENT- FREE SURVIVAL COMPARED WITH CONSOLIDATION CHEMOTHERAPY IN PEDIATRIC PATIENTS WITH RELAPSED ACUTE LYMPHOBLASTIC LEUKEMIA

THOUSAND OAKS, Calif., March 2, 2021 /PRNewswire/ -- Amgen (NASDAQ:AMGN) today announced



that data from a multicenter, randomized Phase 3 study evaluating the efficacy, safety and tolerability of BLINCYTO® (blinatumomab) compared with consolidation chemotherapy before allogeneic hematopoietic stem cell transplantation (alloHSCT) in pediatric patients with high-risk first-relapse B-cell precursor acute lymphoblastic leukemia (B-ALL) were published in The Journal of the American Medical Association (JAMA).¹

BLINCYTO demonstrated significantly prolonged event-free survival (events were defined by relapse, death, second malignancy, or failure to achieve complete remission) compared with chemotherapy. After a median of 22.4 months follow-up, 69% of patients treated with BLINCYTO were alive and event-free compared with 43% of patients treated with chemotherapy. Additionally, following treatment with BLINCYTO, 93% of patients with MRD at baseline achieved MRD negative remission compared with 24% of patients treated with chemotherapy. The 36-month overall survival (OS) estimate in the BLINCYTO group was 81.1% versus 55.8% in the chemotherapy group, and the median OS has not been met.

"Acute lymphoblastic leukemia is the

most common type of cancer in children. Unfortunately, approximately 15% of children with high-risk B-ALL relapse after frontline chemotherapy," said David M. Reese, M.D., executive vice president of Research and Development at Amgen. "There remains an urgent need for novel treatment options for these patients, and the study results support BLINCYTO as a new standard of care consolidation therapy for patients with this aggressive disease."

In the BLINCYTO group versus the chemotherapy group, the incidence of serious adverse events (AEs) was 24.1% vs. 43.1%, respectively, and the incidence of adverse events of grade 3 or higher was 57.4% vs. 82.4% respectively. No fatal adverse events were reported. The most common adverse events (AEs) in the BLINCYTO treatment arm were pyrexia (81.5%), nausea (40.7%), headache (35.2%), stomatitis (35.2%) and vomiting (29.6%).

"I am thrilled the study results demonstrated that BLINCYTO was more effective and associated with fewer and less severe toxicities compared to intensive chemotherapy," said study investigator, Franco Locatelli, M.D., PhD, Sapienza, University of Rome, Department

of Pediatric Hematology and Oncology, Bambino Gesù Children's Hospital, Rome. "Chemotherapy has been used as primary consolidation treatment for ALL patients before receiving a stem cell transplant, despite this approach being only partially effective and associated with relevant toxicity. BLINCYTO has now been shown to be a more effective and safer consolidation therapy option for children with high-risk first-relapse B-ALL."

Results from the Children's Oncology Group (COG) Phase 3 study (AALL1331) evaluating BLINCYTO in children, adolescents, and young adults with first-relapse B-ALL have also been published today in JAMA.² In both studies, treatment with BLINCYTO resulted in less severe toxicities and higher rates of MRD remission.

BLINCYTO, a bispecific CD19-directed CD3 T cell BiTE® (bispecific T cell engager) molecule, is the first approved molecule from Amgen's BiTE immuno-oncology platform, and the first and only therapy to receive regulatory approval globally for the treatment of MRD-positive B-cell precursor ALL.

Source : Amgen

CHEMICAL TECHNOLOGY

TORAY LICENSES RADIFIL® FAST- DISSOLVING FILM COATING TECHNOLOGY TO KISHI KASEI

Tokyo, Japan, March 22, 2021 – Toray Industries, Inc., announced today that it has concluded an agreement to license its RADIFIL® (patent numbers 6443332 and 5696742) fast-dissolving film coating technology to Yokohama-based Kishi Kasei Co., Ltd.

ma-based Kishi Kasei Co., Ltd.

The agreement grants Kishi Kasei the exclusive right to develop, manufacture and sell orally disintegrating tablet coating agents in Japan based on the RADIFIL® technology. That company will also have the right to use the RADIFIL® trademark. Toray will receive considerations including running royalties under this arrangement. Kishi Kasei will start supplying prototype coatings to pharmaceutical manufacturers through this technology transfer and looks to strengthen its pharmaceutical excipients business.

RADIFIL® employs two proprietary coating technologies for orally disintegrating tablets. One lightshields drug tablets containing photodegradable pharmaceutical active ingredients. The other moisture-proofs and creates a gas barrier for drug tablets containing highly



hygroscopic active pharmaceutical ingredients. Both technologies maintain tablets' fast disintegration.

Toray's RADIFIL® technologies received an Encouragement Prize for Invention from the Japan Institute of Invention and Innovation in 2018 and the 2019 Asahi Kasei Pharmaceutical Technology Award from the Academy of Pharmaceutical Science and Technology.

Patients can take orally disintegrating tablets with or without water. This greatly contributes enhancement in medication compliance for the elderly, who find swallowing harder, and those needing to limit fluid intakes. Toray and Kishi Kasei will keep striving to help maintain and improve consumer health through innovative formulation technologies.

The licensing agreement with Kishi Kasei excludes film-coating technology for tablets containing nalfurafine hydrochloride which is the active ingredient in Remitch® OD tablets 2.5µg, an oral antipruritus drug for which Toray has obtained a marketing authorization.

Source : Toray

BATTERIES FROM THE PRINTER: EVONIK PRESENTS A NEW TECHNOLOGY AT THE LOPEC TRADE SHOW

- New materials allow thin and flexible energy storage devices
- Application in the internet of things
- Developers seek collaboration partners

Essen, Germany. Evonik is unveiling TAeTTOOz®, a new material tech-

nology for printable batteries, at the LOPEC trade show. TAeTTOOz® has been developed on the basis of what are known as redox polymers by Creavis, the strategic innovation unit of Evonik.

The new materials can be processed by conventional printing methods into very thin, flexible battery cells, thus giving the developer a high degree of design freedom. They allow storage of electrical energy without the need for metals or metal compounds. Battery cells produced with the TAeTTOOz® technology do not require liquid electrolytes and therefore cannot leak. Creavis is now seeking development partners to integrate the TAeTTOOz® technology into new and existing applications.

Dr. Michael Korell, who is responsible at Evonik for the development of TAeTTOOz®, said: "We have developed a technology with enormous potential. It enables us to offer a solution to power small electronic circuits with printed batteries efficiently, reliably, and in an ecofriendly way."

The TAeTTOOz® technology opens up new possibilities particularly in the spreading networking of everyday objects, the Internet of Things. When ready for series production it can be used in many areas. Medical sensors for monitoring vital functions could be worn far more conveniently when printed batteries are used. In the area of logistics, intelligent sensors operated by printed batteries in packaging could monitor sensitive goods such as food or vaccines.

Source : Evonik

TERRALITHIUM RECEIVES AFFIRMATION OF PATENTS FOR

FOUNDATIONAL LITHIUM PRODUCTION PROCESSES AND TECHNOLOGIES

HOUSTON, April 1, 2021 /PRNewswire/ -- The Patent Trial and Appeal Board of the United States Patent and Trademark Office issued two decisions on March 15, 2021, affirming the validity of TerraLithium, LLC's twenty-eight patent claims. This follows five previous Board decisions in 2020 that affirmed patents associated with TerraLithium's lithium extraction technology. TerraLithium's patent portfolio covers core technologies for extracting lithium from brine sources—an approach increasingly recognized as critical for expanding lithium production opportunities in the United States, including in California where the Lithium Valley Commission was recently established to explore lithium recovery from Salton Sea geothermal brines.

"We're gratified the Patent Trial and Appeal Board upheld our patents," said TerraLithium Chairman Marvin Odum. "With our strong intellectual property, technology, and know-how, we are open to partner with domestic and international developers who share our vision of responsible lithium production." A partnership between All-American Lithium and Oxy Low Carbon Ventures (OLCV), TerraLithium is striving to supply ultra-high purity lithium hydroxide to the growing Li-ion battery market. To produce ultra-high purity lithium hydroxide, TerraLithium combines two of their numerous patented technologies: Direct Lithium Extraction (DLE), which can extract trace lithium from waste brines, and direct lithium hydroxide conversion. The result is a cost effective and more responsible lithium hydroxide production approach that's easier on the land and natural resources.

Source : PRNewswire



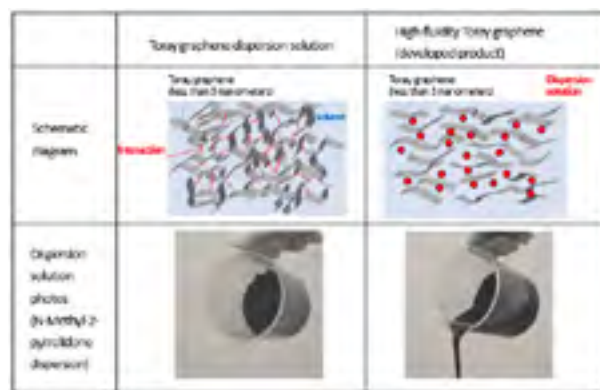
TORAY CREATES ULTRA-THIN GRAPHENE DISPERSION SOLUTION OFFERING OUTSTANDING FLUIDITY AND CONDUCTIVITY

Tokyo, Japan, March 8, 2021 – Toray Industries, Inc., announced today that it has developed an ultra-thin graphene (see glossary) dispersion solution with excellent fluidity and electrical and thermal conductivity. Applications that could benefit significantly from the solution include battery and wiring materials and paints. Toray will keep pushing ahead with R&D on this breakthrough to accelerate commercialization.

Graphene is a sheet-like two-dimensional carbon material and is nanosized and ultra-thin. This advanced functional material is easy to align uniformly, contributing to its excellent conductivity and its barrier performance. Applying graphene or blending with other materials makes additional functions possible.

To date, Toray has developed technologies to create very thin, top-quality graphene from inexpensive graphite materials. The issue, however, is that thinner graphene is more likely to aggregate. In contrast, higher concentrations make graphene the more like a

clay, impeding fluidity. It is hard to apply and mix graphene in clay form, so it is necessary to dilute and



use it in low-concentration solutions. This has masked the inherent benefits of graphene.

Toray therefore developed a dispersion technology to control viscosity by adding a unique polymer material that suppresses aggregation from interactions between graphene. The result was a highly concentrated ultra-thin graphene dispersion solution with increased fluidity (see diagram). The fluidity is excellent, even in high concentrations. The solution is accordingly easy to handle and apply without dilution and more readily demonstrates its outstanding electrical conductivity and other advantages. The high dispersibility and ease of mixing make it simple to blend the solution with other materials.

A good application with the new solution would be as a conductive material for lithium-ion batteries. It can be mixed easily with cathode material, with graphene inserted between cathodes to boost conductivity. This approach lowers capacity losses from conductive pathways degrading during repeated

charging and discharging, thereby extending battery life. The high-performance batteries of electric vehicles conventionally employ carbon nanotubes as conductive agents. Toray testing confirmed that the new solution offers 50% better battery life than carbon nanotubes.

It is also worth noting that applying and drying the solution laminates graphene to form a dense film. One use of the film could be printable electronics wiring that is highly durable and conductive without rusting like metal. Diverse other applications could include mixing the solution with anti-

corrosion paints to block water and oxygen permeation that causes rust, thereby enhancing durability.

Toray will continue to develop revolutionary materials that transform societies in keeping with its commitment to innovating ideas, technologies, and products that deliver new value.

Source : Toray

CALOSTAT PAD FROM EVONIK RECEIVES SINGLE-CASE APPROVAL FOR THE TWIST ROOF OF CUBE - AN ICONIC BUILDING MADE OF CARBON REINFORCED CONCRETE

Conceived as a symbol of modern, lean, flexible, and sustainable construction with carbon reinforced con-



crete, the C³ Project funded by Germany's Federal Ministry of Education and Research successfully introduces this innovative construction method onto the market.

The stability and load-bearing capacity of the non-rusting reinforcing material is far greater than that of traditional steel reinforcement, despite being significantly lighter.

CUBE - the world's first building to be made from resource-saving carbon reinforced concrete - is currently under construction in Dresden. Its creative, unique design underscores what makes carbon reinforced concrete such an unusual construction material: despite being lightweight, it still plays a structural role. It also allows architects to create designs that would once have been very



difficult to implement. That design freedom is reflected in what are referred to as the TWIST elements: two asymmetrically positioned shells that simultaneously serve as both an outer wall and as the roof.

Source : Evonik

DOW INTRODUCES LOW DENSITY LIQUID SILICONE RUBBER FOR IMPROVED PROCESSING, PERFORMANCE AND RECYCLING

MIDLAND, Michigan. – March 24, 2021 – Dow today announced the general availability of its first low density liquid silicone rubber (LSR) for injection molding to brand owners and formulators in Europe and NA. The material's properties make it a favorable option particularly for food dosing valves, closures, dispensers, seals, gaskets and other food contact applications.

"This innovative material expands Dow's SILASTIC™ injection molding LSR portfolio in several key areas. It allows us to help our partners along the value chain fulfill ambitious recycling targets. The innovation at the same time enables attractive gains versus standard LSR and TPE in processing and in-use performance," said Nathalie Gerard, European Market Manager Consumer Rubber, Dow Consumer Solutions.

Improved processing and high resilience

In addition to its notable sustainability contribution, SILASTIC™ 9250-40 LSR extends Dow's LSR portfolio on key processing and performance characteristics:

- SILASTIC™ 9250-40 LSR for optimized processing: The white, low viscosity liquid silicone rubber helps fabricators improve the processing compared to standard LSR while utilizing established injection-molding machines.
- SILASTIC™ 9250-40 LSR helps brands create better performing closures and dispensers for food contact and other consumer applications: The new material has been designed specifically for the molding of closures and dispensers in a wide range of consumer packaging applications. Its low compression set allows reliable sealing. Thanks to its high resilience, valves made with this lightweight LSR are capable of superior dispensing performance compared to existing solutions, especially for

inverted packages and in food applications. SILASTIC™ 9250-40 LSR is formulated to meet the requirements of the BfR XV recommendation and of FDA 21 CFR 177.2600.

Built-in recyclability for consumer applications

One aspect that sets SILASTIC™ 9250-40 LSR apart from standard LSR is its low density. Floatability is a key factor when separating materials for the production of high-quality recycled feedstocks. With a specific gravity of only 0.97, SILASTIC™ 9250-40 LSR can be split from higher density plastics in a gravity-separation process. This helps reduce some of the decisive impediments in plastics recycling and allows fabricators, brands, and consumers to stay aligned with regulatory mandates and their own sustainability objectives.

"The launch of this lightweight LSR is strongly aligned with Dow's strategy to design products for circularity together with its partners in the packaging industry," said Loriane Parisot, Global TS&D sustainability leader. "Dow has expressed its commitment to create products that are inherently good for the planet as well as good for the people they are made for."

A continuing commitment

SILASTIC™ brand silicone rubber, which was introduced commercially in 1945, has a long history of success. SILASTIC™ silicone elastomers are known today for their effectiveness in consumer goods, electrical, industrial and other demanding applications where performance, reliability, safety and aesthetics are essential. SILASTIC™ LSR are two-part dispensable silicone materials that are readily mixed and rapidly heat-cured into durable elastomers.

Additional information on SILASTIC™ 9250-40 LSR is available on the Dow website.

Source : Dow



BASF STRENGTHENS ITS POSITION IN BIO-SURFACTANTS FOR PERSONAL CARE, HOME CARE AND INDUSTRIAL FORMULATORS WITH TWO DISTINCT PARTNERSHIPS

- BASF establishes a strategic alliance, including an equity stake, with Allied Carbon Solutions Co., Ltd (ACS) Japan, a commercial provider of surfactants from biomass
- BASF enters a strategic technology cooperation with Holiferm Ltd, UK, to develop a state-of-the-art production process for biosurfactant products

Ludwigshafen, Germany - BASF has recently signed two distinct partnerships agreements to expand its global leading position in the bio-based surfactants and actives market. The strategic alliance with ACS includes an equity stake and makes BASF the single largest shareholder. It further entails an exclusive technology cooperation, commercial agreement and product development for sophorolipids, one class of glycolipids, to address the ever-increasing needs of consumers for sustainable, natural and bio-degradable ingredients and actives. The partners have agreed not to disclose financial details regarding the investment.

Through the strategic technology agreement with Holiferm, a UK-based start-up company, BASF establishes an exclusive cooperation to focus on developing and manufacturing sustainable,

non-fossil based, fermentation-derived ingredients for other classes of glycolipids with potential for application in Home Care, Industrial Formulators and Personal Care products.

“We see strong business potential in these partnerships,” said Ralph Schweens, President, Care Chemicals, BASF. “While BASF already has solid innovation and production capabilities for surfactants, we are always scouting for opportunities to work with partners well-rooted in technologies which add to our strength in order to expand our product portfolio with additional biobased products.”

Collaboration with ACS to meet increasing consumer demands for safe and natural products

In collaboration with ACS, BASF developed a novel sophorolipid-based ingredient, produced via fermentation technology, and launched it in the Asian market under the brand-name BioToLife™ in the second quarter of 2020. BioToLife™ has unique properties such as curbing the overgrowth of some harmful microbes and excellent cleansing, hence restoring an environment which supports the formation of a balanced micro-ecosystem in skin, scalp or oral care application. While the first product is already available, ACS and BASF will deepen the collaboration with the

focus to develop a range of formulations based on sophorolipids with targeted performance.

“Biotechnology has been an established field in many industries for decades. More recently, it is also being used to develop Personal Care ingredients, predominantly active ingredients with high efficacy. ACS looks forward to a fruitful relationship with BASF,” said Yosuke Yamagata, CEO at ACS.

Collaboration with Holiferm to jointly develop fermentatively accessible glycolipids for Home and Personal Care and Industrial Formulator applications

Holiferm aims to accelerate the transition to circular economy by developing and supplying sustainable, non-fossil based, fermentation-derived ingredients for industrial and consumer products. The recently signed Joint Development Agreement between BASF and Holiferm is aiming at developing different glycolipids outside of sophorolipids for Personal and Home Care as well as Industrial Formulators applications. Combining Holiferm's unique production technology and process know-how, and BASF's leading position and knowledge in these industries will enable innovative solutions to be brought to customers even faster in the future.

“We value the collaborative approach BASF takes to strategic development and believe this partnership allows both partners to leverage their key innovation strengths. We look forward to working together to develop these further,” said Ben Dolman, CEO at Holiferm.

Source : BASF



GC PARTNERS WITH SURANAREE UNIVERSITY OF TECHNOLOGY HIGHLIGHTING CHEMICAL RECYCLING, A CLOSED LOOP PLASTIC WASTE MANAGEMENT SYSTEM FROM SOURCE TO DESTINATION, AND ADDING VALUE TO CONTAMINATED PLASTIC WASTE

5 March 2021: Bangkok, Thailand – PTT Global Chemical Public Company Limited, or GC and Suranaree University of Technology teamed up to conduct a project study of a closed loop plastic waste management system from source to destination. This project study aims to add value to various types of contaminated plastic waste through chemical recycling to transform contaminated waste into fuel or feedstocks used in the chemicals industry. It also supports a connected ecosystem among all sectors using end-to-end waste management contributing to the United Nations Sustainable Development Goals (SDGs) and business operations based on Circular Economy.

Dr. Kongkrapan Intarajang, Chief Executive Officer of PTT Global Chemical Public Company Limited, said, “We are strongly committed to operating our business based on sustainable guidelines since sustainability provides balance and growth across economic, social, and environmental dimensions in support of the Sustainable Development

Goals. (SDGs) One key factor which GC pays particular attention to is adapting to the Circular Economy to support resource efficiency in all our operational processes. The goal is to enhance our cooperation with partners by building a connecting loop to strengthen all related sectors across the ecosystem leading to further expansion and commercial benefits. To date, GC initiated the ‘YOUTURN’ project as an exemplary end-to-end waste management platform that brings back plastic waste into the recycling process. This is an integrated solution that tackles this pressing issue beginning with sorting and collecting plastic waste as a raw material from drop-off points before transferring it to recycling or upcycling plants. By the end of 2021, GC will begin operating Thailand’s first integrated recycling plant for food-grade plastic.”

“Today, GC is delighted to promote valuable Thai technology that is important for the country’s development by partnering with Suranaree University of Technology (SUT), a partner in the academic sector, that developed innovations for plastic recycling. Together, we established a plastic waste sorting system from the source while promoting knowledge in plastic waste management and providing prototype waste bins to separate waste, in addition to public relations materials to promote waste separation on the university campus. This will lead to a more comprehensive model of plastic waste separation that is both practical and effective. Meanwhile, GC, through our group subsidiaries, will assist the university in promoting the project’s expansion nationwide. GC also co-researched and provided financial support to test the transformation of contaminated waste into fuel and feedstocks used in

the industry, providing another effective way to add value to various types of contaminated plastic waste,” added Dr. Kongkrapan.

This cooperation enables GC to conduct end-to-end waste management which covers three aspects: 1) Bio-based Plastic: Utilizing eco-friendly bioplastic products that compost in landfills, making this suitable for single-use; 2) Fossil-based Plastic: Focusing on the responsible use of plastic products for recycling and upcycling, making this suitable for sorting and recycling through the mechanical recycling process; and 3) Chemical Recycling: Partnering with SUT to develop technologies and processes to transform contaminated plastic waste into fuel for feedstocks used in the chemicals industry and setting up a waste management system using other technologies for which GC and partners can support feedstocks produced for the chemical recycling process.



Assoc. Prof. Dr. Weerapong Pairsuwan, Rector of Suranaree University of Technology (SUT), said, “Since 2006, SUT has contributed to social and economic growth using science and technology along with the expertise of our teachers finding ways to better utilize technology for commercial benefits as well as conducting research and studies on waste management. Our approach focuses on sorting and transforming waste to produce different types of energy. This includes the development of a plastic waste transformation system to produce oil through the pyrolysis process, which is operated within the university with a production capacity of 5,000 liters of oil per day. SUT is now ready to extend our research to create an integrated waste management system.”

“SUT is proud to partner with GC, Thai-



land's leading company in the petrochemical industry, in the 'Study Project for Plastic Waste Management and Contaminated Plastic Waste Value-Adding Initiative.' Together, we are utilizing our partnership, experience, and readiness using the university's campus and surroundings as a case study to establish an effective community waste management model from the source, conducting a study on separating plastic waste, and plastic transformation to produce fuel

or feedstocks used in the chemicals industry. This cooperation is expected to lead to a waste management system that contributes to the principles of Circular Economy and guidelines to further reinforce Thailand's environmental and energy management approach in the future," concluded Assoc. Prof. Dr. Weerapong.

The ongoing partnership and innovation between the academic and private

sectors is set to take cooperation to the next level improving the quality of life of students, university personnel as well as the Thai people. This partnership is also supporting Thailand's Roadmap on Plastic Waste Management which aims to return plastic waste to the Circular Economy and recycling process by 2027, with a goal of making Thailand a zero-waste society

Source : GC

INTERNATIONAL NEWS

LANXESS INAUGURATES NITROUS OXIDE REDUCTION PLANT IN ANTWERP

- 150,000 tons less CO₂e emissions in the first phase
- Second plant to reducing another 300,000 tons of CO₂e to start in 2023
- Innovative exhaust gas purification through regenerative thermal oxidation

Antwerp/Cologne, February 24, 2021 – LANXESS has taken another major step on the road to climate neutrality: the specialty chemicals company inaugurated a nitrous oxide reduction plant at its site in Antwerp on February 10, Belgium. The plant breaks down around 500 metric tons of nitrous oxide per year, which is equivalent to the climate impact of 150,000 metric tons of CO₂. LANXESS has invested around EUR 10 million in its construction. A second plant is scheduled to start up in 2023 and is expected to eliminate a further 300,000 tons of CO₂ equivalents (CO₂e).

"We are committed to the Paris Agree-

ment to limit global warming to less than two degrees Celsius. The new nitrous oxide reduction plant in Antwerp is a key building block in LANXESS becoming climate-neutral by 2040," explained LANXESS Board of Management member Hubert Fink. At the same time, he highlighted the economic benefits of the climate protection measures, saying that "Climate protection is a business case for us. On the one hand, we are becoming an even more sustainable partner for our customers. On the other, we are reducing our costs because we need fewer certificates from the European Emissions Trading System and use less energy thanks to innovative technologies."



Innovative technology with efficient heat utilization

Nitrous oxide (N₂O), also known as laughing gas, is generated at the Antwerp site during the production of the

plastic intermediate caprolactam. It is harmless to humans but 300 times more harmful to the environment than carbon dioxide. At temperatures of around 1,000 degrees Celsius, LANXESS breaks down the nitrous oxide into its harmless components nitrogen and oxygen in the new plant, thus neutralizing it completely.

In a second process step, the plant breaks down further nitrogen oxides (NO_x). Ammonia is used as a reducing agent for this. At temperatures between 250 and 450 degrees Celsius, the nitrogen oxides are broken down and produce nitrogen and water.

Thanks to the innovative combination of these processes the plant is highly thermally efficient. This is ensured by specially developed ceramic heat exchangers. These capture and store

the heat used in the thermal oxidation process and generated during the breakdown of nitrous oxide and



nitrogen oxides. When the heat exchangers have stored the heat from the clean gas, the process flow changes direction and the heat exchangers now preheat the incoming exhaust gas. This change of direction then takes place recurrently. This means that significantly less external energy has to be supplied to keep the process running.

Ambitious plans for climate protection

In addition to the Antwerp plant, the Group is currently implementing further climate protection projects with the aim of becoming climate neutral by 2040. LANXESS is also switching the entire energy supply at its Indian sites to renewable energy sources. There, the company is massively expanding its supply of biomass and solar power and will no longer use coal or gas in the future. This will cut CO₂e emissions by a further 150,000 tons starting from 2024. The Group also plans to phase out coal-based energy use at its major production sites in Germany. In 2019, LANXESS announced to invest a total of up to EUR 100 million in its climate protection projects by 2025.

LANXESS is also revising many of its existing production processes. For example, the Group will continue to improve its “Verbund” structures, e.g. when it comes to heat exchange between plants and air purification. Other procedures must first be developed on a large industrial scale. The Group is therefore turning the focus of its research more closely towards climate neutral process and technological innovation.

Since LANXESS was founded in 2004, the Group has more than halved its

emissions from 6.4 million tons of CO₂e to around 3.06 million tons of CO₂e in 2019.

LANXESS in Belgium

LANXESS has two production sites in the Antwerp port area. They are at the heart of the global high-performance plastics business. The intermediates caprolactam and polyamide are produced in Lillo/Antwerp. In Kallo/Antwerp, LANXESS produces glass fibers, also for use in plastics, and rubber chemicals. In total, LANXESS employs around 1,000 people in Belgium.

Source : Chemical Market

BASF DOUBLES ITS ACRYLIC DISPERSIONS CAPACITY IN PASIR GUDANG, MALAYSIA

- New production line complements existing set-up and produces state-of-the-art Acronal® EDGE, Acronal® PLUS, Joncryn® and the next generation Acronal® ECO dispersions
- Additional capacity to serve primarily the ASEAN, Australia and New Zealand markets
- The construction was completed during COVID-19 pandemic under strict health and safety protocols, with no loss time injury

Hong Kong – March 9, 2021 – BASF started up its new acrylic dispersions production line in Pasir Gudang, Malaysia, doubling its capacity. The state-of-the-art facility will produce acrylic dispersions serving the coatings, construction, adhesives, and packaging industries in Asia Pacific.

The new production line complements the exist-

ing set-up and allows the production of new dispersions technologies under Acronal® EDGE, Acronal® PLUS, Joncryn® and next generation Acronal® ECO product ranges. We are committed to ensuring that our systems are environmentally-friendly. This new line is equipped with condensate stripping recovery technology that reduces freshwater consumption and wastewater generation.

The production site at Pasir Gudang is situated in the integrated multi-purpose Johor Port Free Trade Zone, thus making it a strategic location for exports to the region. “With proximity to three world-class ports, the expansion will be a key supply point for our customers in Malaysia, Singapore and other ASEAN countries, also in Australia and New Zealand (ANZ). The first commercial quantities will be produced for our customers in March this year,” said Peter van der Zwan, Director of ASEAN & ANZ Dispersions & Resins, BASF.

“As a growth business within BASF, we will continue to invest into enhancing our asset network for polymer dispersions in this region, which is strongly backed by our own R&D capabilities in Asia Pacific. The new production line enables us to capture growth opportunities in the fast-growing emerging markets, as well as enhance our reliability towards our customers in ASEAN and ANZ,” said Jeff Knight, Senior Vice President, Dispersions & Resins, Asia Pacific, BASF.

BASF began operating its first acrylics dispersions production line in Malaysia in 2015 at Pasir Gudang.

Source : BASF



Continued from page 28

Charlotte, March 9, 2021 – Get ready to cleanse, condition and style with demonstrated results! Clariant's The Curl Project goes root to tip targeting textured hair with the moisture and specific care curls crave to be their natural best. This new regimen of inspirational care formulations puts consumer needs for frizz control, manageability and repair top of the attention agenda, and is proven to deliver.

"Whether you have a head full of tight curls, loose waves, spirals, zig-zags, coils or a mix, it's often a challenge to access the very specific care that different types of textured hair require. Thankfully, times are changing and brands are starting to bring these hair care needs mainstream. Currently, there are only a few ingredients available that can really perform the demanding job, not making it easy for brands to create formulations that consumers will believe in," comments Lynna Pili, Segment Marketing Manager, Personal Care – North America. "There's room for innovation and, using the combined benefits of our personal care ingredients, we can help formulators develop products that resonate with consumers to love their locks and stay on trend."

The Curl Project introduced by Clariant North America aims to fill the gaps to

take textured hair care to the next level, providing inspiration in the form of six market-relevant formulations. These formulations prioritize sustainability and efficacy potential and equip formulators with market data, claims studies and format ideas centered on a variety of natural active and functional ingredients.

"Each nature-derived ingredient is expressly chosen for its proven, recognized performance such as mois-



turizing or strengthening to overcome key challenges in this space. These

include intrinsic low tensile strength, tendency for brittleness, and low water uptake of textured and curly hair," explains Hima Sadavrati, Claims Substantiation Specialist, Personal Care – North America.

"Also, as the trend grows for embracing the beauty of

textured hair in its natural state, repair and cleansing benefits come to the fore to detox, detangle or reduce damage from heat and other harsh hair treatments."

These resulting six innovative formulations are both creative in their inception and are also substantiated on study-critical hair tress curl types 3, 4, and 5 (standard, loose to S type, etc.). Key focus was given to tests that assessed:

- Frizz control: Thanks to Clariant's most nature-friendly moisturizer, Genadvance® Hydra, the quantitative and qualitative studies showed significantly less frizz while leaving hair moisturized.
- Combability testing: Genadvance Repair conditioning agent was used as part of one of the formulations to improve manageability. Plantasens® Olive Squalane delivered a soft and conditioned after feel; this 100% olive-derived emollient offers a premium silky sensation.
- Curl definition: Featuring the innovative conditioning agent, Genadvance Life, qualitative and quantitative studies demonstrated reduced hair frizz and improved curl definition, without a build-up effect.

Source : Chemical Market

Hohenstein Digitises Textile Properties of Clothing Fabrics

BÖNNIGHEIM (HM) Precise digital material parameters are the key to the successful use of 3D technologies in the apparel industry. Hohenstein

digitises the properties of textile fabrics for brands, clothing manufacturers and their suppliers. The Hohenstein data is compatible with common software sys-

tems and is available in all required file formats. Companies are thus able to carry out realistic 3D simulations and optimise their processes in design, product



VIEWS AND STATEMENTS



"This test is fully in line with INEOS' strategy to avoid CO2 emissions at source. It marks a further step for INEOS Phenol in Doel, where 20% green steam is already being purchased via the connection to the Ecluse network. Today, INEOS already produces 300,000 tons of hydrogen on an annual basis as a 'co-product' of its chemical processes. This hydrogen is largely used as a low-carbon fuel and as a raw material in its own production processes so that fewer fossil raw materials have to be used. INEOS recently started a new business activity that focuses on the development of 'clean hydrogen capacity'. For this, INEOS can rely on the expertise of INOVYN, which, as a chlorine and PVC producer within the group, specializes in electrolysis, an important technology for producing hydrogen."

- Hans Casier, CEO INEOS Phenol

"We are incredibly proud of this new platform. With the Bostik Academy, we have created a tool where our customers can find instant answers to their technical questions on flooring and sealing solutions, and where they can benefit from Bostik's unparalleled expertise to create smarter construction projects: achieving "Better results through knowledge."



- Pedro Paredes, Global Training And Support Manager, Construction & Consumer (C&C)



"Today, We Are Proud To Reinforce Our Commitment To Battery Recycling By Joining Forces With Veolia And Solvay. We Aim At Implementing Innovative And Low-Carbon Battery Recycling Solutions To Pave The Way To Sustainable Sourcing For Strategic Battery Materials As Electric Mobility Is Growing. Together, We Will Leverage Our Strong Presence On The Entire Ev Value Chain In Europe To Take A Competitive Position In The Battery Materials Market And Generate Value Beyond Our Core Business."

- Luca De Meo Ceo Of Renault

"Developing A Successful Process To Manufacture Corrugated Tubing From Solvay's Ryton® Pps Demonstrates Maincor's Processing Knowledge And Technical Expertise, We Worked Closely With Solvay To Improve Weight Savings And Production Efficiencies And To Reduce Costs. Post-Extrusion Thermoforming Trials Using Xyz Coordinate Axis Ensured Optimizing Tube Geometries To Fit Available Space In Engine Bays For Time-Saving Component Assembly."



- Manuel Zink, Head Of Sales Automotive / Home Appliances And Special Applications At Maincor Rohrsysteme Gmbh.



"Traditional Disinfectants Only Protect Environmental Surfaces For A Few Minutes. We Developed A Game-Changer Disinfection Cleaner Solution For Surface Protection, Actizone™ Continues To Kill Bacteria And Viruses In Real-Life Environments For Up To 24 Hours. It Is The First Technology To Show Evidence Of Long-Lasting Protection From Viruses Like Sars-Cov-2. Consumers And Professionals Can Be Confident That Actizone™ F5 Will Help Protect Them From Covid-19 When In Contact With Frequently Touched Hard Surfaces In Public Spaces."

- Kamel Ramdani, R&I Director At Solvay.



VIEWS AND STATEMENTS



"In practice, it means that we are getting closer - and with the backing of an international organization - to expand the commercialization of more sustainable resins and chemicals, with the same characteristics as those currently produced using fossil raw materials. raw materials we intend to test is pyrolysis oil, which uses plastics in its production process with greater technical difficulties to be mechanically recycled, as flexible packaging made up of different materials. in addition to sugar cane, and are an alternative to oil naphtha."

- Luiz Alberto Falcon, responsible for Braskem 's Recycling platform



"We are proud to partner with Doosan and contribute to the development of the liquid hydrogen plant in South Korea to support the country's transition to a low-carbon economy. Drawing on our more than 50 years of experience in hydrogen, we provide our customers with state-of-the-art technologies and solutions that enable delivery of such important projects to contribute to the development of clean mobility and a more sustainable future."

- David Maloney, Vice President and Chairman of Air Liquide Engineering & Construction



"The selection of our Spherizone process technology as the innovative manufacturing platform will allow the licensee to produce superior polypropylene resins with enhanced product properties. The production of polyethylene resins will be made by using LyondellBasell's leading low-pressure Hostalen ACP slurry process for the production of high-performance multimodal HDPE resins and our Lupotech T process technology which is the leading high-pressure tubular LDPE technology."

- Seward



"Our plans with Plastic Energy demonstrate how industry, government and consumers can work together to build a more circular system to capture value from post-use plastic, We're well-positioned to add value through our expertise in plastic manufacturing and high performance products to help advance projects like this, which deliver sustainable solutions at scale."

- Karen McKee, president of ExxonMobil Chemical Company



"This deal represents another positive step in the INEOS Energy journey. The deal allows us to monetise a non-operated, predominantly gas portfolio at an attractive price compared to our hold value. This will further balance our portfolio of oil and gas and open up new opportunities to reinvest further into the energy transition. These assets are a very strong strategic fit for PGNiG and significantly extends their position in Norway."

- Brian Gilvary, Executive Chairman of INEOS Energy



development and product communication. This saves resources and shortens the time until the collections are launched on the market.

In laboratory procedures specially adapted for 3D simulation, the Hohenstein experts use fabric samples to determine the material's physical characteristics

such as weight, thickness, stiffness and stretch. This is followed by testing of the fold volume and shape using a drapemeter. The results are converted into the various file formats of the 3D simulation systems so that the digital material parameters are available in

the appropriate file format for each customer.

Upon request, Hohenstein also simulates the associated draping images in 3D to visualize the specific draping behavior of the tested material for the customer. That way, digital prototypes can be created that subsequently accelerate the approval processes and require significantly less material when making real prototypes for production.

Source : Chemical Market

Henkel Delivers Overall Robust Performance in Fiscal 2020 Despite Substantial Impact from Covid-19 Pandemic

- Balanced portfolio, strong innovations, financial strength, and dedicated team as key enablers for robust business performance in a global crisis
- 2020 results at upper end of full-year guidance:
 1. Group sales reach 19.3 billion euros, organic: -0.7 percent
 2. EBIT margin* at 13.4 percent, -260 basis points, corresponding to an operating profit* of 2.6 billion euros
 3. Earnings per preferred share (EPS)*: 4.26 euros,
- 17.9 percent at constant exchange rates
- Very strong free cash flow of 2.3 billion euros, net financial position significantly improved
- Proposed dividend on prior-year level: 1.85 euros per preferred share
- Implementation of agenda for pur-

poseful growth on track, clear roadmap for further execution in 2021 and beyond

- Outlook for 2021:
 1. Organic sales growth: 2.0 to 5.0 percent
 2. EBIT margin*: 13.5 to 14.5 percent
 3. Earnings per preferred share (EPS)*: an increase between 5.0 to 15.0 percent at constant exchange rates

Mumbai –Henkel recorded sales of 19.3 billion euros, slightly below the prior-year level in organic terms and maintained a profitable business with an adjusted EBIT margin of 13.4 percent. Henkel also generated a very strong free cash flow in excess of 2.3 billion euros, almost at the record level of the prior-year.

“Despite the sharp decline of the global economy as a result of the COVID-19 pandemic in 2020, we delivered an overall robust performance across all business units. For the full year, our results

were at the upper end of our guidance. We achieved this thanks to our balanced portfolio, successful innovations, and financial strength as well as the outstanding commitment of our employees around the world. I would like to thank all of them for their excellent contributions in this truly challenging year,” said Henkel CEO Carsten Knobel.

For the full year, the Adhesive Technologies business unit reported sales below the prior-year level, reflecting a significant decline in demand from key industries. However, thanks to the breadth of its portfolio and successful innovative solutions the business has proven its robustness in a global economic downturn.

The organic sales development in Beauty Care was below prior-year level, strongly impacted by the Hair Salon business due to enforced closures, while the Retail business recorded good growth. This was driven by the successful development of top brands as well as new product launches addressing key consumer trends.

The Laundry & Home Care business



unit achieved very strong organic sales growth, fueled by both, the surge in demand for hygiene-related products and by successful innovations, also addressing the increased demand for more sustainable products.

After a strong negative impact on sales due to the pandemic and related shut-downs in the second quarter for Adhesive Technologies and Beauty Care, all three business units reported in the second half of 2020 good organic growth compared to the prior year. The development of the consumer goods businesses, Beauty Care and Laundry & Home Care, was also supported by increased investments in brands, innovations and digitalization.

At Group level, adjusted EBIT decreased by -19.9 percent to 2.6 billion euros. Adjusted return on sales (EBIT margin) was at 13.4 percent, -2.6 percentage points lower than in 2019. Adjusted earnings per preferred share were at 4.26 euros, a decline of -17.9 percent at constant exchange rates. "The development of our earnings reflects our increased investments which we stepped up as announced in the beginning of 2020 – despite the crisis. Declining demand in key business segments during the COVID-19 crisis also negatively affected our profitability.

However, thanks to our successful cost management and the implementation of improved operating models we were able to partially mitigate the impact from the crisis on our earnings," explained Carsten Knobel. "As we are managing the current crisis, we remain fully dedicated to our ambitious growth agenda for the coming years. Looking ahead, we are more confident than ever to execute our Purposeful Growth agenda with our global team and successfully shape our future."

Outlook 2021

"As we enter 2021, we still

face a high level of uncertainty how the pandemic will continue to evolve, how quickly the vaccination efforts will progress and how this will impact the widespread restrictions in many countries. We expect that the industrial demand as well as consumer segments which are relevant for our company, in particular the Hair Salon business, will recover. At the same time, we believe consumer demand will return to normal levels in those categories which saw higher demand due to the pandemic. In addition, we assume that current restrictions in many key markets will be lifted in the course of the first quarter and that there will be no widespread shutdowns of retail and industrial businesses as well as production facilities in the remainder of the year," said Carsten Knobel.

Based on these assumptions, Henkel expects to generate sales and earnings growth in fiscal 2021. The company anticipates organic sales growth of 2.0 to 5.0 percent and adjusted return on sales (EBIT margin) in the range of 13.5 to 14.5 percent. For adjusted earnings per preferred share (EPS) at constant exchange rates, Henkel expects an increase in the range of 5.0 to 15.0 percent.

Group sales and earnings performance

in fiscal 2020

At 19,250 million euros, Henkel Group sales in fiscal 2020 were -4.3 percent below the prior-year period. Organic sales growth, which excludes the impact of currency effects and acquisitions/divestments, was slightly negative at -0.7 percent. The contribution from acquisitions and divestments amounted to 0.3 percent. Currency effects had a negative impact of -3.9 percent on sales.

Emerging markets showed an organic sales growth of 3.0 percent. Mature markets showed a negative organic sales development of -3.2 percent.

In a market environment that has remained highly competitive, sales in Western Europe showed a negative organic development of -4.4 percent. Eastern Europe achieved organic growth of 7.1 percent. In Africa/Middle East, sales grew organically by 7.0 percent.

North America recorded an organic sales development of -2.2 percent. In Latin America organic sales slightly decreased by 0.5 percent. In the Asia-Pacific region, sales decreased organically by -1.6 percent.

Adjusted operating profit (adjusted EBIT) reached 2,579 million euros in 2020 after 3,220 million euros in fiscal 2019 (-19.9 percent).

Adjusted return on sales (adjusted EBIT margin) reached 13.4 percent, -2.6 percentage points below the prior year. The development was also impacted by higher investments in marketing and advertising as well as digital and IT.

Adjusted earnings per preferred share decreased by -21.5 percent from 5.43 euros in fiscal 2019 to 4.26 euros. At constant exchange rates, adjusted earnings per preferred share decreased by -17.9 percent.

Net working capital significantly improved to 0.7 percent of sales, compared



to 3.9 percent in the prior-year period.

Free cash flow remained very strong. At 2,338 million euros it almost reached the prior-year level (2019: 2,471 million euros).

Effective December 31, 2020, Henkel's net financial position improved significantly to -888 million euros (December 31, 2019: -2,047 million euros).

The Management Board, Supervisory Board and Shareholders' Committee will propose to the Annual General Meeting on April 16, 2021 the same dividend as in the previous year, namely 1.85 euros per preferred share and 1.83 euros per ordinary share. This equals a payout ratio of 43.7 percent, which is above the target range of 30 to 40 percent, reflecting the special nature of the burdens on earnings caused by the COVID-19 pandemic. This payment is possible not least thanks to the strong financial base and low net financial debt of the Henkel Group. Going forward Henkel's divi-

dend policy remains unchanged.

Business unit performance in fiscal 2020

In fiscal 2020, sales in the Adhesive Technologies business unit were nominally -8.2 percent below prior-year level, reaching 8,684 million euros. Organically, sales development was -4.2 percent. The first half of the year in particular was strongly impacted by the COVID-19 pandemic. However, the second half of the year saw a recovery in demand across all business segments and regions. Adjusted operating profit reached 1,320 million euros (Previous year: 1,712 million euros). At 15.2 percent, adjusted return on sales was below the level of 2019. The margin decline was in particular due to the significantly lower sales volume as a result of the pandemic.

In the Beauty Care business unit, sales in fiscal 2020 showed an organic development of -2.8 percent. Nominally, sales were -3.2 percent below prior-year level,

reaching 3,752 million euros. The development is particularly due to the negative impacts of the COVID-19 pandemic on the Hair Salon business while the Retail business achieved an overall good organic sales development. Adjusted operating profit reached 377 million euros (Previous year: 519 million euros). Adjusted return on sales reached 10.0 percent, impacted by the declining sales volume in the Hair Salon business as well as higher investments in marketing and advertising as well as digital and IT.

The Laundry & Home Care business unit generated organic sales growth of 5.6 percent in fiscal 2020. Nominally, sales increased by 0.7 percent to 6,704 million euros. Adjusted operating profit amounted to 1,004 million euros. (Previous year: 1,096 million euros). At 15.0 percent, adjusted return on sales was below the level of 2019, especially due to the higher investments in marketing and advertising as well as digital and IT.

Source : Chemical Market

Braskem Expands Solvent Portfolio with Turpentine Braskem Spiria

New solvent, colorless and with a mild odor, a solution to meet the most stringent quality standards in the Brazilian paint segment and is part of Braskem's strategy of continuing to lead the sector, which already represents 500 thousand tons per year

Braskem's Solvent portfolio was further reinforced with the recently launched Braskem Spiria, a turpentine solution to meet the rigorous quality standard of the Brazilian paint segment. The new product is colorless, with a mild odor, which makes it one of the best solutions on the market.



To guarantee the characteristics of colorless and mild odor, Braskem sought options inside and outside the company that were more appropriate to the rigor of each client. The product meets the requirement for applications where odor and color are crucial. Braskem Spiria turpentine can be used in the paints, thinners, adhesives, varnishes and cleaning products segments.

The novelty is part of Braskem's strate-

gy of maintaining its leadership in the Brazilian hydrocarbon solvent market, which today represents around 500 thousand tons per year, and always seeking alternatives so that its customers can innovate and stand out in the sector in which they operate. "Our team is focused on serving the most demanding portion of the paint segment. The close relationship with each client to understand their real needs and our availability to customize solutions that can contribute to market performance reinforce our strategy of advancing in this segment each more," explains Cláudia Madrid, director of the Solvent Business at Braskem.

Source : Braskem



BASF becomes Global Paint Accessories Supplier for Leading OEM Brand Fit4Paint

- BMW's private label paint-related products (PRP) brand Fit4Paint is available immediately in 18 countries
- Two-year agreement complements BASF's exclusive paint supplier status for ColorSystem in EMEA

BASF has become the exclusive global supplier to Fit4Paint, BMW's private label paint-related products (PRP) offering. Fit4Paint is an optimized portfolio of protection, cleaning, sanding, masking, mixing & painting, and polishing accessories put together by paint experts that can easily meet the specific needs of BMW painters and is perfectly aligned with BMW's ColorSystem paint portfolio.

This agreement, which runs for two years, is exclusive to BMW authorized dealers and body shops in 18 countries (Germany, Austria, Spain, Portugal, France, Belgium, Luxembourg, Netherlands, Poland, Czech Republic, Romania, Hungary, Russia, South Africa, Japan, Korea, Slovakia, Slovenia), offering ordering, consultation and service

for paint and paint-related products from a single source provided by experienced experts from BASF Coatings. This ensures optimum integration into the existing BMW ColorSystem service and training concept, and access to a comprehensive, customizable product portfolio. BASF became the exclusive coatings partner for BMW's ColorSystem refinish system in EMEA early last year until 2022 with option to extend for another two years.

A strong partnership offering many benefits

The ColorSystem and Fit4Paint portfolios for BMW repairs offer high-end, cost-efficient products that are selected

based on the recommendations from paint experts. Competent advice and local service is carried out on-the-spot by BASF, incorporating an effective integration into the existing ColorSystem service and training concept.

"BMW body shops utilize

the full suite of training, advanced business management solutions including audits and digital color management to ensure their teams stay ahead. Fit4Paint seamlessly completes the offer for the body shop with OEM recommended paint accessories which assures a higher and safer standard of refinish work," said Martina Fischer, Global Strategic Account Manager BMW Group, BASF Automotive Refinish Solutions Europe.

The two companies have collaborated for more than 36 years in the refinishing sector. With the Fit4Paint portfolio, BASF offers an advanced and dynamic portfolio of paint-related products, covering the entire paint and cosmetic repair process, including workplace safety and health protection.

Source : BASF



Dow to spotlight end-to-end silicone solutions for 5G ecosystem at Productronica China 2021

MIDLAND, Mich. – March 10, 2021 – Dow (NYSE: Dow) will showcase at Productronica China 2021 in Hall E6, Booth #6550, its growing family of high-performance materials for the 5G ecosystem, including innovations in thermal management materials; conformal coatings and encapsulants; and EMI

shielding. As part of its exhibit, the company will debut new products, highlight existing products, and feature interactive displays that explain its end-to-end solutions for 5G-enabled consumer devices and technologies (smartphones, PCs, wearable devices, and advanced driver assistance systems (ADAS), tele-

communications infrastructure (base stations, optical communications, core networks), and cloud computing & data centers (servers, high performance computing chips, and other datacom devices and equipment).

"Dow offers one of the world's broadest



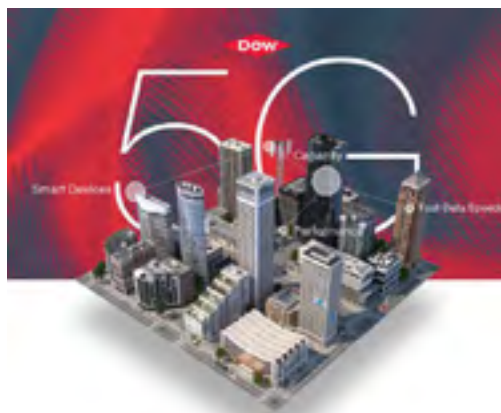
and most robust portfolios of silicones and silicone-based solutions for the 5G ecosystem,” said Grace Zhang, global strategic marketer for Consumer Electronics at Dow. “With the rapid deployment of 5G networks, demand for these technologies is soaring. Dow is committed to providing our customers with the top of the line solutions they need for protecting and enhancing 5G electronics.”

Dow supplies thermal management materials that efficiently dissipate the greater amount of heat associated with the higher power densities in 5G-enabled consumer devices and technologies, 5G telecommunications infrastructure, and cloud computing & data centers. These advanced silicones include thermal greases, gels, adhesives, and encapsulants. In addition to thermal management materials, Dow supplies silicone technologies that protect sensitive electronics from EMI, disturbances that can lead to malfunctions, data loss, and device failure.

In electronics assembly, Dow’s silicone adhesives, sealants, conformal coatings and encapsulants deliver flexible protection against environmental contamination, vibration, and thermal stress. In component molding, Dow’s liquid silicone rubber (LSR) grades provide a range of performance properties, aes-

thetics, and processing options. These include non-post-cure LSR, self-lubricating LSR, fluorosilicone LSR, and optically clear LSR.

Dow’s growing portfolio of silicone solutions for the 5G ecosystem includes technologies that have won the Edison Award™, BIG



INNOVATION Awards, Sustainability Award and R&D 100 Awards. At Pro-electronica China

2021, Dow will spotlight important materials that address the needs of electronic industry manufacturers for next-generation materials that can meet the growing demands of the 5G ecosystem, especially thermal management. These include new DOWSIL™ TC-

5550 High Reliable Thermal Grease, a pump-out resistance solution developed for bare die applications; DOWSIL™ TC-4083 Dispensable Thermal Pad, a product that combines long-term thermal stability with efficient gap filling and room temperature curing; and DOWSIL™ TC-3065 Thermal Gel, a material that can replace fabricated thermal pads and provides no oil bleeding issue and low levels of volatile organic compounds (VOCs).

Visitors to the Dow booth at Proelectronica China 2021 can utilize interactive displays to learn more about the products featured at the show from March 17 – 19 and Dow’s entire portfolio of silicone solutions for the 5G ecosystem. Silicones provide an attractive balance of high-performance properties that can be fine-tuned to meet specific customer requirements and can help manufacturers speed production, reduce energy consumption, and promote sustainability.

Dow’s portfolio of silicone technologies is available worldwide. To learn more, visit dow.com/electronics.

Source : Dow

Toray to Expand Toraysee™ Cleaning Cloth Lineup with Offering that Enhances Hygiene Management at Stores and Salons

Tokyo, Japan, March 9, 2021 – Toray Industries, Inc., announced today

that it will launch Toraysee™ for Shops and Salons around Japan in late March.

The 30cm x 40cm cloth will retail at ¥900 before tax. It will be available through



distributors for hair and beauty salons and food and beverage establishments, as well as through appliance stores, e-commerce sites, the Takezawa Online Shop, and Toray shops.

The company is bringing out the new offering to help salons, mobile phone sellers, opticians, and other shops offering in-store service to safeguard the health of staff and customers from COVID-19. It has become routine at such establishments since the pandemic began to have people disinfect their hands to prevent contact infections, install partitions to safeguard from airborne droplets, and remove pathogens from objects.

While frequently wiping tables, chairs, counters, and

other surfaces as part of disinfection and sterilization efforts is also important, stores and salons frequently find this procedure very labor-intensive. Toraysee for Shops and Salons overcomes that challenge because it wipes faster and more effectively than regular cleaning cloths. Toray research found that the cloth can remove 98% of stains when it is dry and 99% when it is wet. The

cloth is also economical because it can be washed and reused without compromising performance. The fabric employs a special, quick-drying weave.

Toray debuted the Toraysee brand in 1987 as an advanced cloth for wiping eyewear. The company has since expanded the range to include numerous popular cleaning products. It will continue to develop high-value-added merchandise for the Toraysee series in the years ahead.

Source : Toray

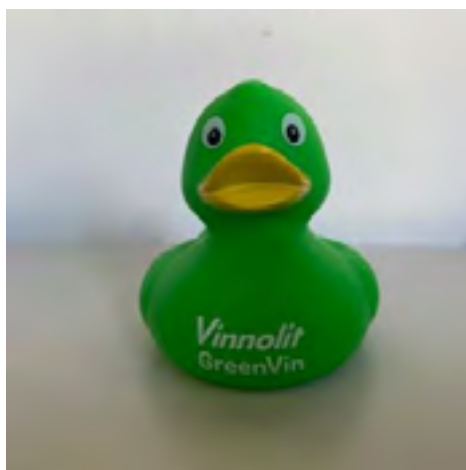
Westlake's European Subsidiary, Vinnolit, to offer caustic soda with reduced CO2 footprint

Vinnolit, a Westlake company, will launch climate-friendly "green" caustic soda in 2021. This product will enable customers to reduce their own carbon footprint and in turn develop more climate-friendly products.

Ismaning / Gendorf / Knapsack – Caustic soda is an important base chemical, of which more than nine million tons are needed per year in Europe alone. From 2021, the PVC and caustic soda manufacturer Vinnolit will offer certified climate-friendly caustic soda utilizing renewable energy Guarantees of Origin (GOs). The CO2 footprint of this low-carbon caustic soda from the Gendorf and Knapsack (Hürth) sites - which is introduced to the market under the brand name GreenVin - is reduced by more than 30% compared to conventional Vinnolit caustic soda. The CO2 footprint taken as a basis was calculated by sustainable AG in accordance with the ISO 14067 standard. Review and certification are carried out by TÜV

Rheinland.

"We pay special attention to the quality of the renewable energy certificates through recognized additional labels. These guarantee the purchase of 100%



renewable energy, excluding publicly subsidized plants, as well as the application of additional ecological criteria, such as the promotion of new green power plants as well as innovative en-

ergy transition projects," says Jürgen Luderer, Vinnolit Director Sales. "In this way, we want to contribute to a steering effect towards the energy transition."

Focus on sustainability

Vinnolit has been producing caustic soda in chlor-alkali electrolysis exclusively with the energy-saving and environmentally friendly membrane process since 2009. Since the central process step is electrified, power from renewable sources can be used to save CO2 emissions by displacing fossil fuels.

"Vinnolit is clearly committed to climate protection and supports the European political ambition of greenhouse gas-neutral chemical production by 2050," says Managing Director Dr.



Price as on March 30, 2021

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(Acti- vated)	50	50	
Calcium Carbonate (Pre- cipitated)	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	
Polyethylene Glycol (PEG 200)	230	93	
Polyethylene Glycol (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	

CHEMICAL MARKET LEADS PLATFORM

Supplier?

You can post your product list just as restaurants post their menu items on Zomato. You can create your company profile just like the way you create your LinkedIn profile. Let the purchasers connect with you directly.

[Register For Leads Platform](#)



Karl-Martin Schellerer.
"With the product launch of climate-friendly low-carbon caustic soda, we are supporting the energy transition and the fight against climate change. At the same time, we are supporting our caustic soda custom-

ers in achieving their own sustainability goals and in turn offering more climate-friendly products. Chlor-alkali electrolysis offers great potential here, also with regard to green hydrogen to support environmentally friendly mo-

bility solutions. This complements our commitment to VinylPlus®, the European PVC industry's voluntary commitment that focuses on the sustainable development of the plastic PVC."

Source : Westlake

Chemistry That Can Save Lives

How LANXESS ensures people get out safely when a car catches fire.

It's a stressful moment for drivers. Suddenly thick, black smoke billows up from the hood. But usually there's no reason to panic. Car manufacturers have long ensured that a small fire, even one on the interior, doesn't burst into a full-blow blaze. Typically it takes several minutes for an entire car to go up in flames. That's generally enough time for driver and passengers to get out safely.

All this is made possible by chemical flame retardants in materials, which inhibit or delay the combustion process. They can be found in plastics, such as polyurethanes, that car manufacturers

use for the seat upholstery, roof lining, rear window shelf and side trim panels.



A reliable partner for such applications is LANXESS, in particular its Disflamoll® and Levagard® products. They ensure car manufactures can comply with the

horizontal burning rate norm. The global standard for the interiors of cars and busses makes sure a fire spreads horizontally at a maximum rate of 102 millimeters per minute

So how does it work? In case of fire, the flame retardant forms a protective carbon layer on the material. This prevents oxygen and warmth from penetrating the lower layers of the material and keeps the flame from spreading. Ideally, the retardants "self-extinguish" and the fire smothers itself. An effect that, if needed, can save lives.

Source : Chemical Market

DKSH Enters Exclusive Distribution Agreement with Galstaff Mutiresine in Germany

DKSH has signed an exclusive distribution agreement for Germany with Galstaff Multiresine, the leading Italian producer of synthetic resins and auxiliaries for coatings, paints, composite materials and printing inks. This expansion is in line with DKSH's strategic direction of accelerating the Business Unit's leading position in specialty chemicals and ingredients distribution.

Hamburg, March 17, 2021 – DKSH's Business Unit Performance Materials, a leading ingredients and specialty chemicals distributor, has partnered with Galstaff Multiresine. Under the agreement, DKSH will exclusively provide marketing and sales, distribution and logistics as well as customer management for Galstaff's portfolio of specialty resins and polyesters in Germany.

The specialties portfolio includes alkyd resins, amino resins, saturated and unsaturated polyester resins, UV resins and oil-free polyesters for wood coating; industrial coating; car refin-



ishing and OEM; OPV and printing inks; can and coil coatings as well as decorative paints. DKSH's business partners can access the portfolio through DKSH's technical specialists, who provide support and guidance with a deep know-how of the



specialties and their applications.

Pietro Pulvirenti, Vice President, Galstaff Multiresine, commented: "We believe the German market is a great opportunity for Galstaff Multiresine, in light of the

high quality of our products and our good base of knowledge of German customers and the products they use. We are absolutely confident that on this

basis, the cooperation with DKSH will be successful, thriving and fruitful. We are happy to seize this opportunity together."

Ramon Viñas, Vice President, Global Specialty Chemicals Industry, DKSH added: "We are delighted to expand our partnership with Galstaff Multiresine from South East Asia and the USA to Germany, one of our key markets in Europe. Galstaff's specialty resins and polyesters are an exciting new addition to our general binder resins portfolio for paint and coating formulations. We look forward to a fast roll-out of these excellent specialties to our large German manufacturing customer base."

Source : Chemical Market

Clariant and India Glycols Tap into Green Renewables Megatrend by Forming Joint Venture

- JV to become a leading supplier of renewable ethylene oxide (EO) derivatives
- Production facilities in India to supply local and global markets
- Both parties contribute parts of their existing businesses and Clariant makes relevant equalization payment to attain majority ownership

Muttentz, March 11, 2021 – Clariant, a focused, sustainable and innovative specialty chemical company, and India Glycols Limited (IGL), a leading company in the manufacturing of green technology-based chemicals, today announced a strategic partnership to establish a 51-49% joint venture in renewable ethylene oxide (EO) derivatives.

By combining production and distribution capacity, the joint venture is expected to become a leading supplier of renewable materials to the rapidly

growing consumer care market in India and neighboring countries, while providing Clariant the ability to leverage the EO derivatives globally across the home care, personal care and industrial applications segments of its Industrial and Consumer Specialties business. The partnership is subject to customary regulatory approvals.

"This opportunity to partner with India Glycols is an important step in Clariant's journey to strengthen our core portfolio, while adding value with sustainability. It enhances the capacity of our Industrial and Consumer Specialties business in India and beyond, whereas the access to renewable Ethylene Oxide broadens our global offering to customers and this makes Clariant a leader in "green" Ethylene Oxide Derivatives", said Conrad Keijzer, CEO of Clariant.

"The partnership is in line with IGL's strategy to promote value added products through sustainable green chem-

istry in the domestic market while expanding footprints in global markets. IGL being the largest manufacturer of green EO in the world, which is based on a unique and green production process using bio-ethanol, would continue to leverage its strength in further developing complex and sustainable chemistry to create value for its shareholders", commented U.S. Bhartia, Chairman of India Glycols Limited.

Under the terms of the proposed agreement, India Glycols will contribute its renewable Bio-EO Derivative business to the joint venture, which includes a multipurpose production facility including an alkoxylation plant located in Kashipur, Uttarakhand (India). In return, Clariant will contribute its local Industrial and Consumer Specialties business in India, Sri Lanka, Bangladesh and Nepal, held by Clariant India Ltd., as well as a net cash payment to attain a 51% stake and thus majority ownership. Clariant International Ltd. will be the



sole Clariant shareholder in the JV. Mr. U.S. Bhartia would be the designated chairman of the joint venture.

Christian Vang, Global Head of Clariant's Business Unit Industrial & Consumer Specialties, added: "By partnering with India Glycols, Clariant will become one of the established players for ethylene oxide deri-

vates in India and provide products on a renewable basis. By working closely together and leveraging the unique capabilities of both parties, we see opportunities for profitable growth based on strong local organic demand as well as the global megatrend for renewable products."

The joint venture will market Clariant's entire range of Industrial and Consumer Specialties products in the previously mentioned countries, while all other global markets shall be served by Clariant. To support production, India Glycols has agreed to a long-term supply agreement for ethylene oxide made from bio-ethanol as well as further utilities. At its inception, the joint venture will have approximately 200 employees.

Source : Chemical Market

New Toray High Heat-Resistant Torayfan® Grade Broadens Biaxially Oriented Polypropylene Film Applications

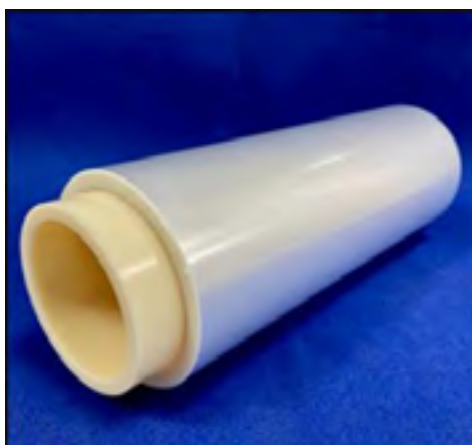
Tokyo, Japan, March 17, 2021 – Toray Industries, Inc., announced today that it has created a new grade of its Torayfan® biaxially oriented polypropylene (OPP) film that has world-class thermal resistance and quality level. It can be used in environments up to 120°C.

OPP film serves in diverse packaging applications on the strength of its outstanding properties such as excellent mold release, low outgassing, ultraviolet permeability, and low moisture absorption. Toray launched Torayfan in 2018 as an extremely smooth film for production process of optical materials and electronic components.

The company set about creating a new Torayfan grade to enhance the quality, smoothness, and thermal resistance of OPP films in response to the performance and functionality developments of the Internet of Things. This new offering significantly reduces outgassing (see glossary note 1) and fisheyes (see glossary note 2) while minimizing the risks of scars and contamination.

The company also devel-

oped elemental technologies to control the film surface smoothness and thermal resistance. For the new Torayfan grade, these



technologies enhanced thermal resistance control in delivering a high-temperature elastic modulus that is up to 80% greater than that of conventional

OPP films. These technologies also lifted shrinkage start temperature to 120°C.

The numerous industrial uses for this new Torayfan grade include protection and support applications where mold release agent transfers are not allowed, deposition and sputter protection applications where low outgassing is essential, ultraviolet irradiation process protection applications, polarizing plate materials requiring low moisture absorption, and photosensitive materials protection. Toray will expand applications and help enhance the performance and functionality of optical materials and electronic components.

Toray will continue to push ahead with efforts to innovate high-performance materials in keeping with its corporate philosophy of contributing to society through the creation of new value with innovative ideas, technologies, and products.

Source : Toray



Clariant will Increase Prices for Pigments and Pigment Preparations

- Global price increase effective March 19th, 2021
- Prices will rise by 1.2 USD/KG for organic pigments and by 0.5 USD/KG for pigment preparations
- Selected individual products with higher price increases

Muttenz, March 12, 2021 – Clariant, a focused and innovative specialty chemical company, today announced

global price increases across its product portfolio.

The increase, which is effective March 19th, 2021 or as soon as contracts allow, is necessary to recover significant on-going cost inflation for basic raw materials, energy and transportation.

Prices for the pigment portfolio will increase by 1.2 USD/KG and for pigment preparations by 0.5 USD/KG or its equivalent in local currency.

Selected individual products will experience higher price increases due to the severe impact of their specific raw material costs.

Source : Chemical Market

Clio Cosmetics is first K-beauty brand to launch sustainable cosmetic packaging made with Eastman Cristal™ Renew copolyester

Seoul, Korea, March 1, 2021 — Clio Cosmetics announces the launch of its new Prism Highlighter Duo using packaging made from Eastman Cristal™ Renew copolyester with 30% certified recycled content*. With the launch, Clio becomes the first K-beauty brand to use Cristal Renew, a sustainable resin derived from Eastman's molecular recycling technologies. Cristal Renew is a perfect packaging fit for the innovative Prism Highlighter Duo, which gives skin a natural glow and three-dimensional effect without feeling artificial.

Eastman's Cristal Renew met Clio's need for the sustainable packaging option their consumers are demanding while still meeting their product requirements for excellent transparency, glossiness, and strength.

Cristal Renew offers brands the same level of performance and design free-

dom they have come to expect from Eastman's resins for luxury cosmetic packaging. It is part of a broad portfolio of sustainable resins now offered at scale by Eastman, which recently announced a \$250 million investment in a plastic to plastic recycling facility that will be one of the world's largest.

The recycled content in Eastman's Renew products has International Sustainability & Carbon Certification (IS-CC-PLUS), providing brands with the transparency and trustworthiness that come from independent, third-party verification of recycled content claims.

"Eastman's molecular recycling technologies deliver significant environmental benefits, including land-fill diversion and reduced

greenhouse gas emissions," said Renske Gores, segment market manager, cosmetics and personal care packaging at Eastman. "We're proud to partner with Clio, and it's fitting that such an innovative brand is the first prestige brand in Korea to introduce Cristal Renew packaging to the market. In introducing the product to the market, Clio is once again demonstrating its leadership in Korea."

Source : Eastman



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

PRODUCT LIST

1 Amino

AAKAR DYES AND CHEMICALS Pg 12

1 Naphthol

AAKAR DYES AND CHEMICALS Pg 12

2(4 Ethyl Benzol)

Mavani Chemicals Pvt. Ltd. Pg 11

2(4 Methyl Benzoyl)

Mavani Chemicals Pvt. Ltd. Pg 11

2, 6. Dihydroxy Naphthlene

AAKAR DYES AND CHEMICALS Pg 12

2 Naphthol

AAKAR DYES AND CHEMICALS Pg 12

3,6 Disulfonic Acid

AAKAR DYES AND CHEMICALS Pg 12

4- Sulfonic Acid

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6BA

Chemilife Enterprises Pg 9

6 Nitro

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A

Acetonitrile

Krishna Solvechem Ltd. Pg 10

Acetyl H. Acid

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Acid Green-16

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Acid Orange 156

Mavani Chemicals Pvt. Ltd. Pg 11

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HIREN ENTERPRISES Pg 13

Acid Yellow 36

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Acid Yellow 219

Mavani Chemicals Pvt. Ltd. Pg 11

Alizarine Red

Mavani Chemicals Pvt. Ltd. Pg 11

Amido G. Acid to Gamma Acid

AAKAR DYES AND CHEMICALS Pg 12

Amino ISO J Acid

AAKAR DYES AND CHEMICALS Pg 12

B

Basic Auramine Liquid

HIREN ENTERPRISES Pg 13

Basic Bismark Brown R

HIREN ENTERPRISES Pg 13

Basic Bismark Brown Y

HIREN ENTERPRISES Pg 13

Basic Brown R Liquid

HIREN ENTERPRISES Pg 13

Basic Brown Y Liquid

HIREN ENTERPRISES Pg 13

Basic Crysodine R (Powder)

HIREN ENTERPRISES Pg 13

Basic Crysodine Y Base (Solvent Orange 3)

HIREN ENTERPRISES Pg 13

Basic Crysodine Y (Crystal & Powder)

HIREN ENTERPRISES Pg 13

Basic Crysodine Y Liquid Pg 13

Benzoic Acid

Mavani Chemicals Pvt. Ltd. Pg 11

Beta Naphthol to G. Salt

AAKAR DYES AND CHEMICALS Pg 12

B.H.K. Acid

Mavani Chemicals Pvt. Ltd. Pg 11

BIS AZO

Mavani Chemicals Pvt. Ltd. Pg 11

Blue TL

Mavani Chemicals Pvt. Ltd. Pg 11

BM Alizarine Red

Mavani Chemicals Pvt. Ltd. Pg 11

Bordo 3B

Mavani Chemicals Pvt. Ltd. Pg 11

Brassinolids

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Bromo Benzene

Krishna Solvechem Ltd. Pg 10

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Dehydro Thio Based

Mavani Chemicals Pvt. Ltd. Pg 11

Diethylamine

Krishna Solvechem Ltd. Pg 10

Diethylenetriamine

Krishna Solvechem Ltd. Pg 10

Diethylhydroxylamine (DEHA)

Krishna Solvechem Ltd. Pg 10

Diisopropylamine

Krishna Solvechem Ltd. Pg 10

Diisopropylether (DIPE)

Krishna Solvechem Ltd. Pg 10

Diisopropylethylamine

Krishna Solvechem Ltd. Pg 10

Dimethylamine Hcl

Krishna Solvechem Ltd. Pg 10

Dimethylaminopropylamine (DMAPA)

Krishna Solvechem Ltd. Pg 10

Dimethylformamide

Krishna Solvechem Ltd. Pg 10

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Krishna Solvechem Ltd. Pg 10

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Krishna Solvechem Ltd. Pg 10

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HIREN ENTERPRISES Pg 13

Direct Violet Base

Mavani Chemicals Pvt. Ltd. Pg 11

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Mavani Chemicals Pvt. Ltd. Pg 11

Direct Yellow 11 Liquid

HIREN ENTERPRISES Pg 13

Direct Yellow 87 Base

Mavani Chemicals Pvt. Ltd. Pg 11

E

Edible Refine Salt

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F

Formic Acid 85% Luxi

Krishna Solvechem Ltd. Pg 10

G

Gibberlic Acid

Chemilife Enterprises Pg 9

Green - BL

Mavani Chemicals Pvt. Ltd. Pg 11

G Salt to Amido G Acid

AAKAR DYES AND CHEMICALS Pg 12

H

H Acid

AAKAR DYES AND CHEMICALS Pg 12

Heptane

Krishna Solvechem Ltd. Pg 10



Hexane

Krishna Solvechem Ltd. Pg 10
Basic Brown Y Liquid Pg 13
HIREN ENTERPRISES Pg 13
Basic Brown Y Liquid Pg 13
Hydrogen Peroxide 50%
Krishna Solvechem Ltd. Pg 10

I

Indole Acetic Acid
Chemilife Enterprises Pg 9
Indole Butyric Acid
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SKC INDUSTRIES LLP Pg 8
IsoButyl Chloride
Krishna Solvechem Ltd. Pg 10
Isoprpyl Alcohol (IPA)
Krishna Solvechem Ltd. Pg 10

J

J Acid
AAKAR DYES AND CHEMICALS Pg 12

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Lactose Monohydrate
Krishna Solvechem Ltd. Pg 10

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Mavani Chemicals Pvt. Ltd. Pg 11
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Krishna Solvechem Ltd. Pg 10
MIPA 70%
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Krishna Solvechem Ltd. Pg 10
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Krishna Solvechem Ltd. Pg 10

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Octyl Chloride
Krishna Solvechem Ltd. Pg 10
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Orange Base
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Chemilife Enterprises Pg 9
PH
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Phosgenated and Cyanuric Based
Mavani Chemicals Pvt. Ltd. Pg 11
Pivaloyl Chloride
Krishna Solvechem Ltd. Pg 10
PMBS
Krishna Solvechem Ltd. Pg 10
Propylene Glycol Monomethyl Ether Acetate
Krishna Solvechem Ltd. Pg 10

Q

Quinizarine (1-4 Dihydroxy Anthraquinone)
Mavani Chemicals Pvt. Ltd. Pg 11

R

Raw Salt/Crystal/Coarse Salt
SKC INDUSTRIES LLP Pg 8
Red - 4G
Mavani Chemicals Pvt. Ltd. Pg 11
Red - HI
Mavani Chemicals Pvt. Ltd. Pg 11

S

Salt Free Dyes
Mavani Chemicals Pvt. Ltd. Pg 11
SAPP
Krishna Solvechem Ltd. Pg 10
Silver Peroxide
Chemilife Enterprises Pg 9
SMBS
Krishna Solvechem Ltd. Pg 10
Sodium Bromide
Krishna Solvechem Ltd. Pg 10
Sodium Chloride
Krishna Solvechem Ltd. Pg 10
Sodium Chloride NACL 99%
SKC INDUSTRIES LLP Pg 8

Sodium Percarbonate

Chemilife Enterprises Pg 9
Sodium Sulphate
SKC INDUSTRIES LLP Pg 8
SS
Krishna Solvechem Ltd. Pg 10
Stain Indicator
Mavani Chemicals Pvt. Ltd. Pg 11
S. Titan Yellow
Mavani Chemicals Pvt. Ltd. Pg 11
STPP
Krishna Solvechem Ltd. Pg 10
Sulphuryl Chloride
Krishna Solvechem Ltd. Pg 10

T

Tablet Salt
SKC INDUSTRIES LLP Pg 8
Tetraethylene Pentaamine
Krishna Solvechem Ltd. Pg 10
Tetrahydrofuran (THF)
Krishna Solvechem Ltd. Pg 10
Thionyl Chloride
Krishna Solvechem Ltd. Pg 10
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AAKAR DYES AND CHEMICALS Pg 12
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TRIS AZO
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V

Valeryl Chloride
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Y

Yellow ARL
Mavani Chemicals Pvt. Ltd. Pg 11
Yellow GL
Mavani Chemicals Pvt. Ltd. Pg 11
Yellow RL Base
Mavani Chemicals Pvt. Ltd. Pg 11



Isobionics Santalol distributed by KEVA is now available for the Indian market

Mumbai, India – February 19, 2021 – KEVA, a leading Indian Fragrance & Flavor company, is the exclusive distributor for Isobionics® Santalol in India. The new fragrance ingredient is the first joint product from BASF and Isobionics® and is now available for the Indian market.

“Thanks to its strong network in the F&F industry, Keva will help us serve the consistently high demand from our Indian customers for an alternative to sandalwood oil. Our fermentation-based product offers consistent high quality and saves natural resources,” says Toine Janssen, managing director of Isobionics.

“We are proud to be the trusted partner of Isobionics. The new product is a milestone for the fragrance market in India. Isobionics Santalol is independent of weather and harvest conditions and is readily available,” says Kedar Vaze, CEO of KEVA group.

Close alternative to sandalwood oil

Thanks to its woody odor profile, the new fragrance ingredient in Isobionics portfolio is a convincing alternative to sandalwood oil.

The proprietary manufacturing process of Isobionics Santalol makes the product unique. It is produced on a biotechnological basis from renewable raw materials.

BASF acquired Isobionics in September 2019. The market launch of the new fragrance Isobionics Santalol demonstrates the successful collaboration between the two companies.

Source : Basf

Airnov to Showcase HAT® IN Vials and Desiccant Packet Product Range at China Association of Clinical Laboratory Practice Expo

- HAT® IN vial provides protection for diagnostic and nutraceutical products
- Automatable drop-in desiccant packets among range on display
- CACLP Expo to be held on March 28-30, 2021, at the Chongqing International Expo Centre

March 25, 2021 – Airnov Healthcare Packaging, a global leader in controlled atmosphere packaging, will be showcasing its ground-breaking HAT® IN vial product and new packets range at the upcoming China Association of Clinical Laboratory Practice (CACLP) Expo, the largest and most influential in-vitro diagnostic (IVD) and clinical laboratory trade exhibition in China.

Scheduled for March 28-30, 2021 at the Chongqing International Expo Centre, the CACLP Expo is the perfect opportunity for industry professionals to discover Airnov's most up to date products and innovations designed to protect pharmaceutical, nutraceutical and diagnostic products from moisture and oxygen.

HAT IN is the latest innovation to be incorporated into a product range produced by Airnov. The vial utilizes and integrates the company's advanced desiccant polymer (ADP) technology to provide a high moisture

barrier as well as excellent moisture adsorption. It is designed to be easily integrated into automated filling lines for fast, reliable production.

Among the products to be exhibited at the CALCP Expo by Airnov are its range of automatable drop-in desiccant packets. These are small sachets that can be filled with a variety of sorbent materials, designed to protect healthcare products from degradation caused by moisture.

Examples include reagents, rapid tests, urinalysis strips, ELISA kits and a variety of in vitro and clinical diagnostic devices.



Fully compliant with US FDA and EU regulations, the range comprises three trust raw materials: SILICA GEL (a silica gel-based packet for moisture absorption); MOLSIEVE (a molecular sieve for moisture absorption); CARBON (activated carbon for odor control); and the 2-in-1 Pak® brand (Desiccant and activated carbon for moisture and odor control).

Albert Zhao, General Manager, Airnov Asia Pacific, commented: "The new HAT IN vials and desiccant packets continue to grow our core business of healthcare packaging solutions, and we look forward to showing the thousands of visitors to the China Association of

Clinical Laboratory Practice Expo how our products can provide value to their business".

Visitors to CALCP will also be able to explore the tremendous variety of sizes and ordering options. Standard packet sizes range from ¼-gram to 10 grams and can be produced to order if required. Continu-Strip® packet batches are available, featuring a hole in each seal to optimize cutting accuracy and enable automatic insertion on packaging lines.

The CALCP Expo provides an opportunity for Airnov to demonstrate its value to industry purchasers. Established in

1991, it is the largest and most influential in-vitro diagnostics and clinical laboratory tradeshow in China, with 1,200 other exhibitors joining Airnov at Chongqing International Expo Centre.

The exhibition enables professional visitors to discover dozens of types of new products entering their market, giving them the chance to gain an enhanced understanding of the latest solutions that can benefit their companies – experts from manufacturers, distributors and academic institutions participate every year.

Source : Chemical Market

BASF Extends its Commercial Supplier Agreement with Mercedes-Benz

- New agreement supports automobile maker in six countries in the Asia Pacific (APAC) region
- Agreement follows similar pact from 2019 covering Europe, Middle East and Africa (EMEA) region

BASF has recently secured a multi-year contract with Mercedes-Benz in the Asia Pacific (APAC) region that extends its longstanding, commercially approved supplier status with the car company to Australia, Japan, Malaysia, South Korea, Taiwan and Thailand. The agreement, which builds upon its success with Mercedes-Benz in the Europe, Middle East and Africa region, includes its Glasurit® and R-M® premium automotive refinishing brands and RODIM® paint-related products. Efficient digital color solutions, world-class training solutions and technical support, as well as a suite of exclusively branded Vision360® advanced business management solutions designed to increase body shop performance and efficiency are also part of the agreement.

"We are both proud and excited to be

able to extend our proven partnership with Mercedes-Benz to this dynamic region. Our focus on product innovation, eco-efficient solutions, digital business management solutions and training dovetails well with Mercedes-Benz's own vision of innovation and sustainability, and the agreement positions both companies well to grow together. Mercedes-Benz has also been one of our earliest test customers for our new digital solutions which has helped drive business efficiency throughout the body shop network," said Chris Jackman, Director of Global Strategic Account Management, BASF Automotive Refinish Coatings Solutions.

As part of the complete offer to Mercedes-Benz, BASF will deliver a complete offering of digital and data solutions including its highly efficient digital color management tools, which help body shops to speed

up workflows. Its digital portable spectrophotometers precisely measure the color on the car, and quickly and easily takes the painter to the desired mixing formula.

For more than 100 years, BASF's premium automotive refinishing brands support body shops with professional solutions and best-in-class quality. To meet the increasing demand from the automotive refinish industry to improve overall levels of efficiency, productivity and sustainability, BASF recently launched its eco-friendliest line automotive refinish solutions. The innovative product line further boosts body shop efficiency while reducing their environmental footprint. With the lowest VOC content and the highest eco-effectiveness ever, it revolutionizes the global premium waterborne automotive refinish market.

Source : Chemical Market



EVENTS AND CONFERENCES

MIDDLE EAST SPECIALTY CHEMICALS SHOW

Date: June 15, 2021

City: DWTC, Dubai, UAE, Dubai

Country: United Arab Emirates

Website: <https://www.fibre2fashion.com/trade-fairs/middle-east-specialty-chemicals-show-2021-57741>

Description: Co-located with Middle East Coatings Show 2021, we have broadened our reach to provide you with new opportunities to help you reach new clients, increase awareness for your company and much more... With our experience of attracting the leading names in the coatings industry for over 30 years we will bring owners and directors of companies, giving you the opportunity to meet an extremely high number of decision makers all under one roof. The Coatings Group are offering you the chance the leadings names in the speciality chemicals market at the Middle East Specialty Chemicals Show.

CPHI JAPAN

Date: April 14-16 2021

City: Tokyo

Country: Japan

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

Description: Hosting events in Europe, China, Korea, India, Japan, South East Asia, Middle East and North America, CPhI co-locates with ICSE for contract services, P-MEC for machinery, equipment and technology, InnoPack for pharmaceutical packaging, Bioproduction for biopharma and FDF for every aspect of the finished dosage supply chain. We know sustainability is increasingly important to our attendees and exhibitors, as well as to our market as a whole. Running CPhI South East Asia gives us lots of opportunities to improve our impacts socially, environmentally and economically in our host city.

CHEMUK 2021 EXPO

Date: Sept 15-16, 2021

City: NEC, Birmingham, UK

Country: UK

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

Description: CHEMUK is the UK's only trade show dedicated to bringing together the multi-layer Chemicals/Chemical Product development, specification & processing/manufacturing communities, with crucial supply chain supplier groups. With some 2,500+ specialist businesses contributing to the UK's chemical industry – embracing raw materials, chemicals, intermediates & consumables, equipment & apparatus, high tech innovation streams, sub-contracting & business services and much more, CHEMUK is the event where the UK's chemical industries meet.

EXPO PAINT AND COATINGS

Date: July 8-10, 2021

City: New Delhi

Country: India

Website: <https://expopaintcoating.com>



EVENTS AND CONFERENCES

Description: Expo Paint & Coatings - 2020 is a comprehensive Paint & Coatings Exhibition providing platform to the needs of every facade of the coating industry right from raw materials, formulation, application, technology, finishing, quality assurance, recycling and disposal. The Exhibition will feature a wide range display of products, Raw Materials, Application systems, Machines, Tools, current trends, development & innovations shaping future of coating industry. Expo Paint & Coatings - 2020 will bring together leading local and international manufacturers, formulators, buyers, industry professionals, consultants, enthusiasts and prospective entrants from the Paint & Coatings, surface finishing & allied industry presenting unrivaled opportunities to network, exchange best practices, do business, unveil new products and source cutting-edge products, technologies and solutions.

COATINGS FOR AFRICA 2021

Date: June 2-4, 2021

City: Sandton Convention Centre

Country: Johannesburg, South Africa

Website: <https://www.tradeindia.com > tradeshows > coatings-for-af..>

Description: Coatings For Africa 2021 is South Africa's dedicated event and trade show, connecting the entire paint and coatings value chain, from raw material suppliers to end users of the finished product. Coatings For Africa 2021 is the ideal place to discover the latest trends affecting the region's environmental, manufacturing and industrial needs and provides a fantastic networking opportunity for the coatings industry. Exhibitor product profile are based on additives, biocides, chemicals, extenders and fillers, oils, pigments, polymers, resins, solvents, waxes, accelerated weathering, gloss and color measurement and control, corrosion testing, instrumentation, testing labs services offering physical testing, dispersers, drums, filters, mixers, process control, pumps, labeling, filling and packaging, tinting systems, color forecasting, color cards, health and safety and fire protection.

CPHI NORTH AMERICA

Date: August 10-12, 2021

City: PA, USA Pennsylvania Convention Center, Halls CDE

Country: Philadelphia

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

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

Event information may be out of date due to the coronavirus (COVID-19). Confirm details with event organisers. This page was last updated on June 9th 2020



Innovative Next-Generation Polymers to be Featured on First Day of ACS Spring 2021

WASHINGTON, March 23, 2021 — Materials that interface with the human body, plastics to sequester carbon dioxide and other innovative and sustainable polymers will be explored in the opening session of the spring meeting of the American Chemical Society (ACS). ACS President H. N. Cheng, Ph.D., is co-sponsoring the April 5 session, which will set the stage for the meeting's theme of "Macromolecular Chemistry: The Second Century." ACS Spring 2021 will be held online April 5-30, with live oral technical presentations hosted April 5-16 and on-demand and networking content continuing through April 30.

Featured presentations on Monday, April 5, 10 a.m.-12:30 p.m. EDT (7-9:30 a.m. PDT):

- Takuzo Aida, Ph.D., "Supramolecu-

lar Polymerization: Its Significance and Applications"

- Kristi S. Anseth, Ph.D., "Polymer Networks as Synthetic Extracellular Matrices: Biology in the 4th Dimension"
- Anthony J. Ryan, Ph.D., D.Sc., "Neofossils: Bio-based Plastics to Sequester CO₂"

Presidential symposia:

- Sustainability: Advances and Applications
- Ideas from Mind to Market: International Collaborations for Health, Wellness and Sustainability
- Chemistry and the Future of Plastics
- Plastics and the Oceans: Chemistry

for the Journey Ahead

- Industrial-Academic Dialogue
 - Advancing International Chemical Business Innovation and Entrepreneurship: Launch, Leverage, Lead
 - Macromolecular Science at the Dawn of its Second Century
- Symposia recommended by the ACS President:**

- Advances in Renewable Energy and Fuels
- COVID: Lessons Learned
- Lessons Learned from Starting a Chemical-Related Business
- Excellence in Graduate Polymer Research

Source : Chemical Market

LANXESS Enters Battery Chemistry Business: Electrolyte Production for Lithium-Ion Batteries in Leverkusen, Germany

- Electrolyte production for Guangzhou Tinci Materials Technology Co. to start in Leverkusen in 2022
- Use of a high-tech plant of LANXESS subsidiary Saltigo

LANXESS enters the field of battery chemistry by cooperating with Guangzhou Tinci Materials Technology Co. (Tinci), a leading global manufacturer of lithium-ion battery materials. Starting already next year, LANXESS will produce electrolyte formulations for lithium-ion batteries under the authorization of the Chinese company.

The electrolyte is responsible for transporting lithium ions in the battery cell and thus is a key component of lithium-ion batteries. The high-performance electrolyte formulations from Leverkusen will enable Tinci to become a domestic supplier for battery cell manufacturers in Europe.

For production, LANXESS will use a high-tech plant operated by its subsidiary Saltigo, a leading global custom manufacturer. In this plant, electrolytes can be formulated in line with highest quality requirements. Saltigo will bring its extensive chemical expertise to the

partnership, while at the same time further expanding its experience in the field of electrolyte production.

"The upswing in E-Mobility is accelerating. Numerous new plants for battery cell production are currently being built in Europe. This fast-growing market also offers great opportunities for LANXESS, especially in the field of battery chemistry. We already produce many raw materials for battery manufacturing. The cooperation with Tinci is another step in establishing ourselves in this market," said Anno Borkowsky, Member of the Board of Management at LANXESS.



Tinci is one of the world's leading manufacturers of conductive salts and electrolytes operating three production sites for electrolyte formulations in China and having three additional sites under construction.

Broad portfolio of solutions for battery technology

LANXESS already produces numerous chemicals and materials that are important in the production of battery cells. For example, the specialty chemicals company is one of Europe's leading manufacturers of hydrofluoric acid and phosphorous chemicals. Both are key raw materials for the production of the high-purity conductive salt lithium hexafluorophosphate (LiPF₆). In the

U.S., the Group is also working on the commercial extraction of battery-grade



lithium, an important feedstock for the production of cathode materials and conductive salts. The lithium is to be extracted in an environmentally friendly way from the brine used in bromine extraction at LANXESS' site in El Dorado, Arkansas, USA.

LANXESS focuses on new mobility

LANXESS sees major growth opportunities in the market for new mobility. In 2020, LANXESS therefore established a Group initiative for e-mobility and circular economy. "With this initiative, we are bundling significant future topics where we see strategic potential for LANXESS. Our goal is to develop sustainable, value-creating business models around new mobility and circular economy. The cooperation with Tinci is a promising project in this regard," said Philipp Junge, head of the initiative at LANXESS.

Source : Lanxess

Covestro successfully completes acquisition of Resins & Functional Materials business from DSM

- Covestro to become one of the leading global suppliers for sustainable coating resins
- Acquisition adds around EUR 1 billion in revenues
- Consequent implementation of sustainable growth strategy

On April 1, 2021, Covestro successfully completed the acquisition of the Resins & Functional Materials business (RFM) from the Dutch company Royal DSM. The transaction received regulatory approval after Covestro and DSM signed an acquisition agreement in late September 2020. The transaction substantially expands Covestro's portfolio of sustainable coating resins, making the Group one of the world's leading providers in this growth market. The integration of RFM will expand the Group's revenues by around EUR 1 billion and will add more than 20 sites to its global production network.

"The acquisition of RFM significantly

contributes to the implementation of our new Group strategy. With this transaction, we are taking another important step towards sustainability, while at the same time generating sustainable growth," said Dr. Markus Steilemann, CEO of Covestro. "We are looking forward to meeting our new colleagues and warmly welcoming them to Covestro."

With the transaction, Covestro is expanding its business in several areas. The Group is already one of the leading global providers of water-based polyurethane dispersions. The acquisition of RFM adds a complete range of water-based polyacrylate resins, as well as strong brands in terms of sustainability such as Niaga®, solutions for additive manufacturing, and an advanced solar coatings business. In addition, Covestro is enhancing its technology portfolio to include water-based hybrid technologies, powder coating resins as well as radiation curing resins.

Sucheta Govil, Chief Com-

mercial Officer at Covestro:
"With this transaction, we are strengthening our extensive portfolio with further innovative products and technologies that will enable us to meet our customers' needs in optimal fashion. Now our focus is on integrating the teams, leveraging talent and providing the best possible support for our new and existing customers."

Following a comprehensive analysis, Covestro expects permanent ("run-rate") synergy effects to build-up to about EUR 120 million per annum from full integration by 2025. These consist of approximately two-thirds of cost and one-third of revenue synergies.

Source : Covestro



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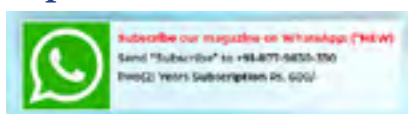


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Social Media Marketing	Yes	Yes	Yes	Yes
SEO	-	-	Yes	Yes
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