

DYES & CHEMICAL MARKET

DECEMBER 2021

VOLUME IX | ISSUE # 5

MUMBAI | PAGES 68



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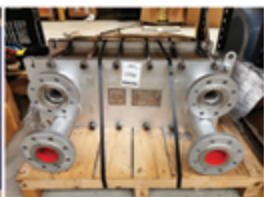
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Contact

Bharat Mehta

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CpH - Informa Group

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

MECD (Coating Show)

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

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CHEMS

1	Dye+Chem Morocco International Expo	Nov 24-27, 2021	Morocco
2	Dye+Chem Sri Lanka International Expo	TBD	Colombo Sri Lanka
3	Dye+Chem Bangladesh International Expo	TBD	Bangladesh
4	Dye+Chem Brazil International Expo	Nov 09-11 2021	Brazil

Red Carpet Events

1	5th Bangladesh Int'l Dyes, Pigments and Chemicals Expo	TBD	Dhaka, Bangladesh
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Turkey (Arkim Group)

1	InterDye Textile Printing Eurasia	Nov 24-26, 2022	Istanbul
2	Paint Istanbul TURKCOAT	Mar 17-19, 2022	Istanbul
3	Paint Expo Euroasia	Nov 25-27, 2021	Istanbul

Other Exhibitions

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

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Oil Disperant	207 Kg	Chemical
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Product Name	Qty	Grade
ISO Propyl Alcohol	1 Tonnes	Industrial

Details : Need Quote for IPA. Please reply via email/phone.

Rajkumar Mandal

Boisar, Maharashtra, India

Email : info@myteepol.com

Mobile : 9967800437

Product Name	Qty	Grade
Borax	1 Tonnes	Industrial

Details : Need Borax. Distributor. Please contact via email/phone

Sandip Agarwal

Kolkata, West Bengal, India

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

Product Name	Qty	Grade
Fast Red RL Base	500 Kgs	Industrial

Details : Required the above item. Please reply via email/phone.

Vibhu Vaidya - Krupalu Dye Stuff Industries

Email : krupalu@ymail.com

Mobile : 9408554819

Product Name	Qty	Grade
Acrylic Acid	500 Kg	Industrial

Details : Please contact via email or phone.

Janardhan Raju - Katyayani Polymers

Email : katyayanipolymers@gmail.com

Mobile: +91-995-990-0375

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

Details : Need for August. Please reply via email/phone.

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	500 Kgs	VirginPure

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

Mr Kunal Kamat (Procurement Agent)

Kunal Chemicals Trading

Email : kunalchemicaltrading@gmail.com

Mobile : +91-932-001-3358

Product Name	Qty	Grade
CAS NO 60-00-4 - EDTA Acid	1 Tonnes	Industrial

Details : Please reply via email/phone

Parthiv

Shiv Chem Industries

Email : chelateshivchem@yahoo.co.in

Tel.: 079-2282-3447

Product Name	Qty	Grade
Sofosbuvir and Daclatasvir		

Nirav Patel

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Product Name	Qty	Grade
Strontium Carbonate	1000 Kgs	Technical
Phenolic resins	1000 Kgs	
Details : We are interested to buy Strontium Carbonate Powder Imported and phenolic resins Mr. Sunairaja. T Sivakasi, Tamil Nadu, India Email : pyrocheme@gmail.com Tel.: 9443164779		

Product Name	Qty	Grade
861229-15-4	1000 Tonnes	Industrial
Details : This is an additive for waterproofing membrane and purity more than 90% Mr. David Ding Singapore Email : dingzhusong1972@yahoo.com Tel.: 006591058487		

Product Name	Qty	Grade
Succinic Acid 99%-food grade	80 Tonnes	Chemical
Acetic Acid	1 TankerLoad	
Benzene	1 TankerLoad	
Con Nitric Acid	1 TankerLoad	
Methanol	1 TankerLoad	
Soda Ash	4000 Kgs	
Acetone	1 TankerLoad	
Xylene	1 Tonnes	
Toluene	1 Tonnes	
Chlorine	1800 Kgs	
Sulphuryl Chloride	15000 Tonnes	
Imported Steam Coal (Indonesia) Cv 5700	1 Tonnes	
Details : My Client Required Succinic Acid 99%-food grade Please provide me Quotation along with Coa & MSDS Qty: 80MT Delivery Location: Mumbai,INDIA Payment under LUT Make : Imported/Domestic Please do the needful Required rates of above mentioned raw materials. Please reply via email/phone Mr. Abhay Hingarh Mumbai, Maharashtra, India Email : jovikaenterprise@gmail.com Tel.: 09821011976		

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
Epoxy Novolc Resin	200 Kgs	Chemical
N75 Hardner	600 Kgs	Chemical
PGE Epoxy Diluent	400 Kgs	Chemical
Cycloaliphatic Amine Epoxy Hardner	500 Kgs	Chemical
Ancamine 2753	500 Kgs	Chemical
Epoxy Silane 6040	50 Kgs	Chemical
Details : Require Quotation Rajshri Waghmare Pune, Maharashtra, India Email : scm@demechchemical.com Tel.: 9764593597		

Product Name	Qty	Grade
1,2-Bis(2-aminophenoxy)ethane – HS Code 29222990	500 Kgs	Not Applicable
Napthol AS-PH - HS Code - 32041921	500 Kgs	Not Applicable
Fast Red KD Base (HS Code – 29225014)	2 Tonnes	Not Applicable
Napthol AS-LC (HS Code – 32041929)	500 Kgs	Not Applicable
Dimethylsuccinylo Succinate (DMSS) – HS Code 29181990	500 Kgs	Not Applicable
2-Aminobenzotrifluoride / CAS 88-17-5.	500 Kgs	Technical
5-acetylacetamidobenzimidazolone /CAS: 26576-46-5	2 Tonnes	Technical

Details : The purity should be ideal for manufacturing of organic pigments. Looking for Indian manufacturers for pigment intermediates. Required products are on a monthly basis. We are into manufacturing organic pigments.
 2-Aminobenzotrifluoride 88-17-5.. We need 500 kilos for pigment production
 We need 2 tons 5-acetylacetamidobenzimidazolone / CAS: 26576-46-5 .
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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

Swapnil Salunke - Zen Engineering

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	1 Tonnes	Industrial

Details : Need Quote for IPA. Please reply via email/phone.

Rajkumar Mandal

Boisar, Maharashtra, India

Email : info@myteepol.com

Mobile : 9967800437

Product Name	Qty	Grade
Strontium carbonate powder imported	1000 Kgs	Industrial
Metaldehyde	100 Kgs	Technical
Azidotetrazole	100 Kgs	Technical
Strontium carbonate	1000 Kgs	Technical
phenolic resins	1000 Kgs	Technical

Details : we are interested to buy strontium carbonate powder imported solvay material pl contact 9443164779 pyrochome@gmail.com

we are interested to buy metaldhyde and Azidotetrazole in bulk for industrial applications pl contact 9443164779

we are interested to buy strontium carbonate powder imported

Sunairaja. t

Sivakasi, Tamil Nadu, India

E-mail : pyrochome@gmail.com Mobile : 9443164779



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

Details : Need for August. Please reply via email/phone.

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	500 Kgs	VirginPure

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

Mr Kunal Kamat (Procurement Agent)

Kunal Chemicals Trading

Email : kunalchemicaltrading@gmail.com

Mobile : +91-932-001-3358

Product Name	Qty	Grade
CAS NO 60-00-4 - EDTA Acid	1 Tonnes	Industrial

Details : Please reply via email/phone

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

Product Name	Qty	Grade
Acetic Acid	Tanker	
Details : Dinesh Gupta HARESH ENTERPRISES (Wholeseller) Email: setuenter@yahoo.co.in Mobile: +91-9824200441		

Product Name	Qty	Grade
Ammonium Sulphate pure white		
Details : Manish SM Dharani Chem Pvt Ltd(Manufacturer) Email : manish@smdcpl.in Mobile : 9879408765		

Product Name	Qty	Grade
CAS NO 112-12-7 FISCHER'S BASE	2000 Litres	Any
Details : Required on regular basis. Min Qty 2000 Ltr. Mr. Jitendra Bhalgat Ahmednagar, Maharashtra, India Email : jbhalgat11@gmail.com Tel.: 9422220871		

Product Name	Qty	Grade
Potassium Carbonate Granular	750 Kgs	Industrial
Sodium Nitrate	1500 Kgs	
Caustic Soda Flakes	2000 Kgs	
Details : Require following grade Caustic - GACL Ray-on Grade Potassium Carbonate - Equal to UBID Korea Mr. Utpal Shah Mumbai, Maharashtra, India Email : utpal@jayeshgroup.com Tel.: 9820144091		

Product Name	Qty	Grade
Toulene	5000 Kgs	Industrial
Details : Kindly arrange to send us quotations Santosh Taksale Pune, MH Mobile: 9028843799 Email: santosh.taksale@manikchandpackaging.com		

Product Name	Qty	Grade
Diethylene Glycol		
Details : Rakesh Bachani Royal Chemicals (India) Email : info@royalchemindia.com Mobile : +91-922-150-3305		

Product Name	Qty	Grade
Naphthalene Powder	-	
Para Di Chloro Benzene Powder		
Camphor Powder		
Details : Xavi Gabhri Pharma (Manufacturer) E-mail : fragrancevalley1992@gmail.com Mobile : 9847687718		

Product Name	Qty	Grade
Resorcinol	-	
Triethyl amine		
Paraformaldehyde		
Formaldehyde		
Details : Ashok Patil (Manufacturer) DD Patil Chemicals, Amalner Dist Jalgoan Email: ddchemicalsales@gmail.com Mobile: +91-735-022-6099		

Product Name	Qty	Grade
Pine Oil	-	
Emulsifier Alfox200		
various TOP		
Details : I need total raw materials for mfg. of Detergent powders, Floor cleaning Liquid etc. Arvindbhai Vadhada NewCera Minechem (Manufacturer) Email : newceraminechem62@yahoo.com Mobile : +91-9429460123		

Product Name	Qty	Grade
3-(2-Ethyhexyloxy) Propylamine. CAS NO : 5397-31-9	5 Tonnes	Chemical
Details : Need this 5 Tonnes. Raj Shah NASSOLKEM, BUL BUL (Manufacturer) Email : natchem@gmail.com Mobile : 7069039335		



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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
Sodium Hypochlorite	500 Kgs	Industrial
Details : We need this product on a regular basis (Monthly) Please contact us if you are a manufacturer or a distributor. (Required in and around Calicut Kerala) 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		



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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		
2,4,6 Trichloro Aniline	100 Kgs	Chemical
Details : Pravin Iyer AT Pigments (Manufacturer) Email : pravin.iyer@atpigments.com Mobile : 9898507767		

Product Name	Qty	Grade
Silica Sand	500 Tonnes	Industrial
Details : Mr. Haroun Mousa Dammam Mobile: 00966566663350 Email : haroonmousa69@gmail.com		



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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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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 Napthols		
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

Website:

www.chemicalmarket.net

Contact Information:

Tel: 91-981-964-4048

91-877-983-0330

91-913-731-6486

Email: info@chemicalmarket.net

Editor:

Rajiv Parikh

Online Subscription:

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Content:

Pranisha P. Jadhav

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Leads Platform Subscription:

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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

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

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CHEMICAL MARKET

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

Let bygones be bygones! Let's welcome 2022 with a smile!

As the chemical industry moves into 2022, strong demand for both commodity and specialty chemicals should keep prices robust throughout the year. The industry should also experience increased capital expenditure as leading industry players focus on building capacity and expanding into growing end markets through both organic and inorganic routes. However, the industry could face margin pressures amid raw material cost inflation, which will likely remain high through the first half of 2022.

Year 2020 and year 2021 was a blow for most of the sectors due to the pandemic but was a successful year for pharmaceuticals and few sectors in the chemical industry. However, we see 2022 poised for a strong recovery as economies reopen and restrictions are lifted. Strong demand for both commodity and specialty chemicals should keep prices robust. However, the industry could face margin pressures and raw material cost inflation, which will likely remain high till the middle of the year.

Many chemical companies will also look forward to focus more on sustainability, de-carbonization and recycling technologies to lower the carbon footprint and also reduction in plastic waste. There are a few things that has happened in the past 2 year which has changed how businesses are conducted.

1. Digital Transformation: There remains immense, but relatively unexplored, potential for advanced data analytics and digital technologies to transform the chemical industry. Today, digital tools and technologies present an economically feasible solution for extracting more efficiency from incumbent processes and designing novel products and processes.

Due to the convergence of accelerating improvements, such as advances in sensors, cognitive computing, and analytics, significant progress can be expected in three areas in 2022; data availability, data processing, and engineering and materials research. In the past, chemical businesses have typically implemented advanced data analytics and digital initiatives in silos, resulting in slower processes, higher costs, and uncer-

tain benefits.

However, chemical firms are now increasingly realizing that digital transformation is about implementing more and better technologies and involves aligning culture, people, structure, and tasks.

2. Reduced Labor: Due to the digitalization and the Covid19 pandemic, the chemical workforce will not reach the pre-covid levels unless there is an expansion of the portfolio products. As demand increases, employment is expected to recover but might take more than a year to be normal.

3. Supply Chain Issues: will continue to rise as labor shortage is a key factor. The efforts are underway to address the issues of workforce in the shipping and trucking industries and congestion at ports across the world.

4. Sustainability: In 2022, the chemical industry will likely be pushed to de-carbonize by regulatory and scientific pressures as the impacts of climate change grow more apparent. Moreover, the industry may come under further scrutiny as the public becomes increasingly sensitive to plastic waste and the improper disposal of end products.

While carbon emissions are hard to abate in the chemical industry due to reliance on process heat, advances in de-carbonizing chemical production could have a profound impact globally. The benefits of de-carbonizing chemical companies could spread beyond the industry itself, since chemistry provides the building blocks for many value chains.

Bottom-line is no one exactly knows what will occur in 2022, but most observers believe that the recovery will continue.

-Rajiv Parikh



Worldwide Antifouling Paints and Coatings Industry to 2026 - Featuring Akzo Nobel, BASF and Hempel Among Others

DUBLIN, Nov. 24, 2021 /PRNews-wire The global antifouling paints and coatings market reached a value of US\$ 8.5 Billion in 2020. Looking forward, the publisher expects the market to grow at a CAGR of around 9% during 2021-2026. Keeping in mind the uncertainties of COVID-19, we are continuously tracking and evaluating the direct as well as the indirect influence of the pandemic. These insights are included in the report as a major market contributor.

Antifouling paints and coatings refer to specialized paints applied to the hulls of ships and offshore structures to minimize or prevent the growth of sub-aquatic organisms. They are manufactured using resins, pigments, cuprous oxides and biocides, which inhibit the growth of algae, bacteria, diatoms, barnacles, slime and other marine organisms. Some of the commonly used

antifouling paints, include soft-bottom paint, hard-bottom paint and ablative antifouling paints. They are applied to the bottom of the boats, yachts and ships to improve the flow of water passing the hull, which minimizes fuel consumption by reducing the drag and enhancing the durability and aesthetic value of the ship.

Significant growth in the marine and shipbuilding industries across the globe is one of the key factors creating a positive impact on the market. Furthermore, increasing focus and expenditures on improving vessel durability and preventing corrosion are providing a thrust to the market growth. Antifouling paints and coatings are used on drilling rigs, production platforms, shipping vessels and inland waterways transport to reduce frictional resistance and prevent fouling organisms from damaging the hulls.

Additionally, various product innovations, such as the development of environment-friendly antifouling products, are acting as other growth-inducing factors. There is also a growing demand for low-friction, metal-free and silicone- and fluoro resin-based antifouling paints and coatings, which is contributing to the market growth. Other factors, including increasing ownership of leisure boats, along with the growing demand for floating production storage and offloading (FPSO) vessels by the oil and gas industry, are anticipated to drive the market further.

Read the full report : <https://www.researchandmarkets.com/r/ev6cl9>

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Outlook on the Organic Substrate Packaging Material Global Market to 2026 - by Technology, Application and Region

The global organic substrate packaging material market exhibited moderate growth during 2015-2020. Looking forward, the market is expected to grow at a CAGR of around 5% during 2021-2026. Keeping in mind the uncertainties of COVID-19, the analyst is continuously tracking and evaluating the direct as well as the indirect influence of the pan-

demic on different end use industries. These insights are included in the report as a major market contributor.

Organic substrate packaging materials are utilized on the foundation layer of printed circuit boards (PCBs) to provide high reliability and outstanding electrical performance. These packaging mate-

rials reduce the overall weight of PCBs and increase their functionality and dimensional control. Besides this, they assist in minimizing the environmental impact of PCBs as compared to their inorganic counterparts. Consequently, the demand for organic substrate packaging materials is escalating across the globe.



A significant rise in the demand for portable electronic devices, in confluence with the advancements in information and communication technology (ICT), represents one of the key factors impelling the global organic substrate packaging materials market growth. Apart from this, the growing popularity of miniature electronic devices in the defense and military, healthcare and aviation industries is positively influencing the sales of these packaging materials worldwide.

Furthermore, the increasing adoption

of self-driving vehicles is contributing to the market growth, as these materials are used in millimeter-wave automotive radar systems to detect obstacles. Moreover, the growing semiconductor industry, coupled with the escalating demand for improved electric motors in industrial equipment, is boosting the sales of organic substrate packaging materials around the globe. However, due to lockdowns imposed by governments of several countries as a preventive measure to contain the spread of the coronavirus disease (COVID-19), non-essential activities have been halted for a short pe-

riod. This has disrupted the operational efficiency of various industries and negatively impacted the market growth. The market is expected to experience growth once normalcy is regained.

Read the full report : <https://www.researchandmarkets.com/r/vh0m81>

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

Nel ASA: Receives Purchase Order for 20MW Alkaline Electrolyser from Ovako

OSLO, Norway, Nov. 25, 2021 / PRNewswire/ -- Nel Hydrogen Electrolyser AS, a division of Nel ASA (Nel, OSE: NEL), has received a purchase order for a 20MW alkaline water electrolyser from Ovako, a leading European manufacturer of engineering steel. The electrolyser will be installed at Ovako's existing plant in Hofors, Sweden, the first plant in the world to use hydrogen to heat steel prior to rolling and hot forming. The fossil-free hydrogen will replace the use of fossil propane gas currently used in heating furnaces at the site.

"We are very excited to announce the delivery of electrolyser equipment to Ovako, and this groundbreaking project. There is huge potential in reducing CO2-emissions from steel-heating processes through the use of green hydrogen, there are numerous similar sites with equally large potential for decarbonization across Europe and the rest of the world. We look forward to working with Ovako and its partners to further develop fossil-free steel production in all the sites where this will be relevant" says Jon André Løkke, CEO at Nel.

Nel has received a purchase order for a 20MW alkaline electrolyser system from Ovako, a leading European manufacturer of engineering steel. The purchase order has a contract value of approximately EUR 11 million and the equipment is expected to be delivered at the end of 2022, with the first hydrogen production in 2023. The electrolyser will produce oxygen and hydrogen to be used in Ovako's steel-heating process and is a major step towards zero-carbon emission steel production. The conversion to hydrogen will enable Ovako to reduce its CO2 emissions for steel production in Hofors by 50 percent from already low levels.

"In June we announced our collaboration with the Volvo Group, Hitachi Energy, H2 Green Steel and Nel Hydrogen with the purpose to invest in fossil-free hydrogen in Hofors. An investment that also got the support from the Swedish Energy Agency. We are now very pleased to have reached this important milestone of the project. The electrolyser technology will enable us to eliminate CO2 for heating steel before rolling", says Rickard Qvarfort, President

Business unit Hofors.

Ovako is a leading European manufacturer of engineering steel for customers e.g. in the bearing, transportation and manufacturing industries, and is a subsidiary of Sanyo Special Steel and part of the Nippon Steel Corporation Group. The company has geographical presence in Europe, North America and Asia, and a steel product line that includes niche products and customized solutions. The carbon footprint of Ovako's steel products is a full 80 percent lower than the global average.

Read the full report : <http://news.cision.com>

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



Huntsman Wins FICCI Award for Excellence in Manufacturing of Dyes and Dyestuff

Recognized for outstanding achievements and remarkable contributions to the Chemical Industry

New Delhi, India, November 26, 2021: Huntsman, a global manufacturer and marketer of differentiated chemicals, has won the coveted award for excellence in manufacturing of Dyes and Dyestuff, and remarkable contribution towards the chemical and petrochemical industry by The Federation of Indian Chambers of Commerce & Industry (FICCI), a leading Industry federation of the country.

The awards ceremony was graced by Shrimati Anupriya Patel, Honorable Minister of State, Department of Commerce, Ministry of Commerce & Industry, Government of India, who also presented the award to Kavishwar Kalambe, Site Director, Huntsman Textile Effects last evening.

“We are extremely honored to receive the award from FICCI for our commitment

to manufacturing excellence in the Dyes and Dyestuff category. This recognition reaffirms our position as a leading global manufacturing company focused on developing sustainable solutions for the textile industry worldwide, as well as augmenting our vision of sustainability aligned to the environmental, social, and governance frameworks.”
said Mark Devaney, Vice President Manufacturing and Operations Excellence, Huntsman Textile Effects.

Mark added, “It also showcases our commitment to ensuring safe products and workplaces, efficient processes, as well as overall performance excellence. I am also particularly proud of the team

at the Huntsman Baroda site. Their continuous effort for driving improvements in safety, sustainability and efficiency in relation to our manufacturing practices is commendable.”

Huntsman Textile Effects brings innovations in textile dyes, chemicals and digital inks to iconic brands and retailers around the world. It operates a global dyes and chemicals manufacturing unit in a designated industrial zone of Padra in Baroda, Gujarat. The facility is spread across 62 acres and offers developing sustainable textiles solutions with advanced technology along with direct and indirect employment to over 800 people.

Huntsman continues to enrich lives through innovation by developing solutions that not only create value for our stakeholders today, but also make a vibrant world possible for future generations. The company's commitment to sustainability benefits people, protects the natural environment and ensures profitability.

Source : Chemical Market

Clariant Chemicals Half Yearly Sales Rose to Rs 407 Point 6 Crore and Profit Before Tax at Rs 25 Point 6 Crore

Clariant Chemicals (India) Limited, a focused, sustainable, and innovative specialty chemical company today announced its financial results for the second quarter ended September 30, 2021.

The Sales rose by 8%, at Rs. 194.9 crore, for the quarter ended September 30, 2021, as against Rs. 180.8 crore for the corresponding quarter in the previous year. However, Profit before exceptional

item & tax stood at Rs. 6 crores for the quarter ended September 30, 2021, as compared to Rs. 12.2 crore for the quarter ended September 30, 2020.

Continued on Page 41



TORAY DEBUTS JAPAN'S FIRST PMMA HEMODIAFILTRATION DEVICE

Tokyo, Japan, November 15, 2021 – Toray Industries, Inc., announced today that it has developed FILTRYZER® HDF, Japan's first polymethyl methacrylate (PMMA) hollow fiber membrane-based (see Glossary note 1) hemodiafiltration device. The wholly owned Toray Medical Co., Ltd., will begin marketing this new offering in December 2021.

Following extensive hemodiafiltration development efforts leveraging its technologies, in August 2021 the company obtained manufacturing and sales approval for this product, which qualified for insurance coverage as of November 1.

Broadly two therapies employ artificial kidneys (Glossary note 2). The first is hemodialysis (Glossary note 3) with dialyzers. The second is hemodiafiltration (Glossary note 4) with hemodiafilters, which combines hemofiltration and hemodialysis. The Japan Society for Dialysis Therapy estimates that the hemodiafiltration devices accounted for 42% of the market at the end of 2019.

More than 80% of hollow fiber membranes in hemodiafilters in Japan are made of polysulfone (Glossary note 5). Demand has risen for other materials, including because of allergic reactions and other biocompatibility (Glossary

note 6) issues and uremic toxin removal (Glossary note 7) performance needs.

Toray is the world's sole manufacturer of dialyzers incorporating PMMA hollow fiber membranes. They have earned excellent reputations in Japan and numerous other nations for excellent biocompatibility and uremic toxin removal.

In 2007, the company obtained approval to manufacture and sell Japan's first polysulfone hollow fiber membrane hemodiafilters, thereafter evolving them. The new PMMA hemodiafiltration device underscores its ongoing commitment to meeting diversifying dialysis market needs.



**Under
Toray
Group
Sustain-
ability Vi-
sion, the
company
seeks to**

**contribute to better medical
care and hygiene for people
worldwide by leveraging
its innovative technologies
and advanced materials.
Toray and Toray Medical
will keep drawing on these
capabilities in developing
high value-added medical
supplies using advanced
material technologies to
materialize its corporate
philosophy of contribut-
ing to society through the
creation of new value and
thereby increase sustain-**

able growth.

Source : Toray

BAYER SUBMITS AFLIBERCEPT FOR REGULATORY APPROVAL IN THE EU AND JAPAN FOR RETINOPATHY OF PREMATURITY IN PREMATURE BABIES

Berlin, November 10, 2021 – Bayer has filed applications for a new therapeutic indication for aflibercept (solution for injection) in premature babies with treatment-requiring retinopathy of prematurity (ROP) in the EU and Japan.

“Our clinical development program for premature babies with ROP addresses an important medical need in this vulnerable pediatric patient population facing severe vision impairment. The regulatory submissions in the EU and in Japan form another step forward in our commitment to addressing patient-relevant needs in eye care,” said Dr. Christian Rommel, Member of the Executive Committee of Bayer AG's Pharmaceutical Division and Head of Research and Development.

Retinopathy of Prematurity requiring treatment is one of the most serious eye diseases that can lead to significant vision impairment and blindness secondary to retinal detachment. It is estimated that worldwide each year approximately 50,000 babies born prematurely who survive the neonatal period develop vision-threatening ROP.

Bayer's regulatory submissions are



based on final results from the 6-month Phase 3 FIREFLEYE study of aflibercept 0.4mg versus laser surgery which were presented at the 21st Congress of the European Society of Retina Specialists (EURETINA) in September 2021, as well as on interim data from the ongoing long-term follow-up Phase 3b FIREFLEYE NEXT study



success with aflibercept 0.4mg (85.5%) is considered clinically relevant. In the control group (laser surgery) a response rate of 82.1% was observed. In this study, aflibercept has demonstrated to be efficacious, safe and well-tolerated.

“Results of the FIREFLEYE study show that treatment success was numerically higher with aflibercept than with laser,” said Professor Dr. Andreas Stahl, Head of the University Department of Ophthalmology, University Medical Center, Greifswald, Germany, “and achieved with mostly single injections per eligible eye, less frequent need for rescue treatment and reduced requirement for general anesthesia compared to laser.”

Aflibercept showed a positive benefit-risk profile in patients with ROP treated in 27 countries worldwide in the FIREFLEYE study, the first randomized prospective clinical trial comparing aflibercept to laser in premature babies with ROP requiring treatment. Although the FIREFLEYE Phase 3 study missed statistical significance for the primary endpoint of demonstrating non-inferiority of aflibercept 0.4 mg to laser (90% CI* for treatment difference: -8.0% to +16.2%), the treatment

Source : Bayer

**OZEMPIC® 2.0 MG
RECOMMENDED FOR
APPROVAL FOR THE
TREATMENT OF TYPE
2 DIABETES BY THE
EUROPEAN MEDICINES
AGENCY**

Bagsværd, Denmark, 12 November 2021 – Novo Nordisk today announced that the European Medicines Agency’s (EMA) Committee for Medicinal Products for Human Use (CHMP) has adopted a positive opinion recommending a label extension for the existing marketing authorisation for Ozempic®, a once-weekly glucagon-like peptide-1 (GLP-1) analogue, to introduce a new dose of 2.0 mg. Ozempic® is currently approved in the EU in 0.5 mg and 1.0 mg doses for the treatment of type 2 diabetes in adults.

The positive opinion is based on the results from the SUSTAIN FORTE trial. In the trial, people treated with semaglutide 2.0 mg achieved a statistically

significant and superior reduction in HbA1c at week 40 compared to semaglutide 1.0 mg. In the trial, both doses of semaglutide appeared to have a safe and well-tolerated profile. The most common adverse events were gastrointestinal.

“The recommendation for the EU label extension of Ozempic® with the 2.0 mg dose is an important step towards offering additional options to people with type 2 diabetes who need treatment intensification to achieve their individualised glycaemic targets,” said Martin Lange, executive vice president, Development at Novo Nordisk.

Novo Nordisk expects a final approval by the European Commission within approximately two months, and Ozempic® 2.0 mg will be launched in the EU in the first half of 2022. The label expansion for semaglutide 2.0 mg is under regulatory review in the US.

Source : Novo Nordisk

**VIATRIS AND
BIOCON BIOLOGICS
ANNOUNCE LAUNCH
OF INTERCHANGEABLE
SEMGLEE® (INSULIN
GLARGINE-YFGN)
INJECTION AND
INSULIN GLARGINE
(INSULIN GLARGINE-**



YFGN) INJECTION

PITTSBURGH and BENGALURU, India, Nov. 16, 2021 /PRNewswire/ -- Viatris Inc. (NASDAQ: VTRS) and Biocon Biologics Ltd. today announced the U.S. launch of interchangeable biosimilars SEMGLEE® (insulin glargine-yfgn) injection, a branded product, and Insulin Glargine (insulin glargine-yfgn) injection, an unbranded product, to help control high blood sugar in adult and pediatric patients with type 1 diabetes and adults with type 2 diabetes. Both biosimilar products are available in vial and prefilled pen presentations and are interchangeable for the reference brand, LANTUS® (insulin glargine), allowing for substitution at the pharmacy counter.

Viатris Head of North America Jose

Cotarelo said: "Viатris has a long-standing commitment to improving patient access to sustainable, quality and more affordable healthcare. We are extremely proud to stay true to that promise by bringing to millions of people with diabetes these interchangeable insulin biosimilar treatment options. We are pleased to also offer a broad range of options to help patients, which are intended to maximize access to these important medicines, regardless of financial circumstances, insurance or channel."

Shreehas Tambe, dCEO, Biocon Biologics said: "At Biocon Biologics we are committed to expanding access to high-quality, affordable biologics to patients worldwide. The launch of our interchangeable biosimilar insulin glargine in the U.S. by our partner Viатris, is

in line with our aspiration to provide our biosimilar insulins to 'one in five' insulin dependent people with diabetes, globally. This is indeed a landmark event and along with the recent formulary listings, we believe it will allow us to improve accessibility, availability and adoption of biosimilars in the U.S. for the benefit of patients and the overall healthcare system."

SEMGLEE (insulin glargine-yfgn) and Insulin Glargine (insulin glargine-yfgn), co-developed by Viатris and Biocon Biologics, are now available in the U.S. market. The currently marketed non-interchangeable SEMGLEE (insulin glargine) is anticipated to be phased out by the end of the 2021 calendar year.

Source : Viатris

CHEMICAL TECHNOLOGY

SANITIZED® PURETEC™ TECHNOLOGY DELIVERS OPTIMAL ANTIMICROBIAL PERFORMANCE FOR ALL FIBER TYPES

Burgdorf/CH, 23 November 2021: SANITIZED AG, the Swiss expert in antimicrobial solutions for long-lasting freshness in textiles presents a new product portfolio: Sanitized® Puretec™. A non-leaching, metal-free and particle-free antimicrobial solution for textiles to prevent the buildup of odor-causing bacteria. The technology provides long-lasting effects without release of the active ingredient, making it a safe and sustainable solution even after many washes.

Fueled by the search for more sustainable antimicrobial solutions, marketplace demands for effective metal-free and particle-free odor control technologies have increased. The developers at SANITIZED have managed to advance the durability and efficacy of Sanitized® Puretec™, a family of quaternary silane



(quat-silane) based antimicrobial finishes which meet these demands. Due to the active's non-leaching nature, the quat-silane technology remains affixed to the fabric's surface. Puretec™ technology has shown excellent performance on all fiber types, especially synthetic

fibers like polyesters. It enhances the functionality of textiles by utilizing the high cationic charge density of a fully polymerized siloxane polymer network to reduce the microorganism on contact.

A durable solution for sportswear

Sanitized® Puretec™ offers a unique solution for brands and retailers producing synthetic sportswear by allowing consumers to wear the products they love for longer periods of time before having to wash them again. This provides brands and activewear users with peace of mind by delivering long-lasting freshness on textiles. From hitting the gym to running errands, the technology allows consumers to remain confident and comfortable even throughout their busiest days.

Odor control, fabric deterioration



prevention, extended durability

Preventing bacterial growth does not only significantly reduce odor formation but simultaneously protects the textile from bacteria induced deterioration and discoloration, all of which can jeopardize the durability of the product. As demonstrated in various microbiological tests, Sanitized® Puretec™ guarantees optimal odor control performance—even with ongoing washing and wearing. The product portfolio delivers added value to textiles by easing product maintenance and enhancing usability and performance.

Technical advantages

Sanitized® Puretec™ technology can be easily integrated into existing application techniques such as pad and exhaust and is compatible with other functional performance finishes. It exhibits excellent wash fastness and temperature stability and is dermatologically tested to be non-sensitizing to the human skin, making it safe for an abundance of textile applications.

Verifying antimicrobial performance

Properly treated quat-silane surfaces can deliver broad spectrum, durable antimicrobial properties to prevent bacterial attachment and biofilm formation on fabrics. Utilizing appropriate test methods is critical to accurately measure and verify the microbiological performance of quaternary silane technologies. Sanitized® Puretec™ odor control solutions have been tested through 40 washes using ASTM E3162-18, the industry standard wash durability method approved by the International Antimicrobial Council (IAC). As for the microbiological test method, the IAC recommends ASTM E2149-20 for the Puretec™ technology. Using IAC Certified laboratories with IAC verified test reports, brands and retailers can be assured that products have been tested by trained and proficient microbiology professionals.

Source : Chemical Market

TORAY DEVELOPS HOLLOW FIBER MEMBRANE MODULE THAT CAN SLASH CO₂ EMISSIONS IN FOOD AND BEVERAGE AND BIOTECHNOLOGY PROCESSES

Tokyo, Japan, November 24, 2021 – Toray Industries, Inc., announced that it has developed and begun supplying samples to customers of an exceptionally robust hollow fiber ultrafiltration membrane module for food and beverage manufacturing and biotechnology purification and concentration processes. This module can save energy and contribute to carbon neutrality by attaining CO₂ emissions that are more than 80% lower than those from the food production sector's conventional thermal concentration processes. The company will accelerate development, with a view to full-fledged mass production, and will cultivate an array of applications.

Hollow fiber membranes have become one of the mainstream in liquid filtration due to their excellent separation, high membrane integration, reduced footprint, and superb area utilization efficiency. Toray's exiting hollow fiber membranes are used widely in water treatment. This is because its polyvinylidene fluoride ultrafiltration hollow fiber membrane technology delivers exceptional durability and separability.

Toray leveraged the high-strength hollow fiber membrane technology cultivated in water treatment to develop the new module, which employs an outside-in type cross-flow filtration design. Crossflow filtration is a common technique, through which feed passes parallel

to membrane surface and prevents turbidity from accumulating. Pressure losses from this design are just one-third those of inside-out type that food companies normally use. It is thus possible to filter and concentrate highly turbid or viscous liquids, which is challenging with regular membranes.

Other benefits of Toray's new module are that it features large membrane area technology which reduces the number of modules needed, halving space requirements and potentially lowering cleaning and equipment costs by more than 20%.

The module performs well in steam (125°C) and hot water (90°C) environments to enable thermal sterilization and high temperature filtration. Filtration testing of a high turbidity microbial culture solution with the new module demonstrated stable, long-term filtration, with steam sterilization preventing bacterial contamination for more than 20 days.

Toray will build collaborative ties with engineering companies in Japan and abroad to develop an array of uses. They include high-viscosity, and high-turbidity raw water applications that have to date employed solid-liquid separation technologies such as diatomaceous earth filtration or centrifugation. They also encompass food manufacturing and bio production processes in which production lines require thermal sterilization.

Based on the corporate philosophy, Toray will contribute to the development of society and technology by continuing to produce high-performance, cutting-edge materials.

Source : Toray



COSMO SPECIALTY CHEMICALS LAUNCHES HYDROPHILIC BLOCK SILICONE EMULSIONS FOR THE TEXTILE INDUSTRY

An eco-friendly finishing agent for a wide range of applications

New Delhi: Cosmo Speciality Chemicals, a 100% subsidiary of Cosmo Films Ltd., has developed a hydrophilic block silicone emulsions that exhibits better softening properties because of their lower rotational free energy than C-O bonds as compared with any other traditional non-silicone softeners.



Non-toxic and eco-friendly, the agent is suitable for a wide range of applications while providing an outstanding effect in the textile industry. With remarkable lubricity and hydrophilicity, the innovative softener improves water absorbency and smoothness of the fabric along with improving the efficiency of cutting and sewing in. LYOSIL BHL can be used on cotton like knits, woven, terry towels, etc.

Talking about the new product, Mr. Anil Gaikwad, Business Head, Cosmo Speciality Chemicals said, “We are on a mission to keep bringing innovation to the world with our products to deliver new

solutions. We do believe in being specialised and niche in our offerings. We have developed low-cost two sets of products (Lyosil BHL 1E, Lyosil BHL 3I) of Block Silicone Softener. Very few doses of application are required which imparts good absorbency, durable

soft feel and non-yellowing etc. These are different than other products available in the market.”

Source : Chemical Market

COVESTRO LAUNCHES NEW DISCOVERY® RESIN FOR EXTERIOR COATINGS

Covestro, a world leader in coating resin solutions for the decorative industry, today announces the launch of Discovery® SP-8310: a 37 percent bio-based, breathable, multi-purpose resin

to enable exterior coatings with improved outdoor durability and enhanced bio-based content. As part of Covestro's Discovery® family of resins containing up to 52 percent bio-based content, the new solution addresses the decorative coating market's need for longer-lasting outdoor coatings with a lower environmental impact.

Across the decorative coatings market, painters and consumers are increasingly seeking longer-lasting exterior coating systems. Through proprietary painter and consumer market research, Covestro found that adhesion and durability are key issues for painters in exterior paints. Specifically, as the use of multiple substrates becomes more common, painters increasingly need paints to deliver stronger multi-substrate adhesion. At the same time, as the global climate crisis becomes increasingly severe, exterior coatings are more vulnerable than ever to cracking under extreme weather conditions, which cause surfaces to contract and expand more severely. As a result, coatings now need to be more flexible to reach the required levels of durability. In response to the climate crisis, there is also growing demand from end-users and governments for more environmentally friendly coatings with enhanced bio-based content.

To enable its customers to meet both these performance and environmental needs, Covestro has developed Discovery® SP-8310: an acrylic resin designed to formulate easily into multi-purpose paints with up to 37 percent bio-based content. The resin's combination of UV- and water-resistance with low dirt pick-up gives it excellent long-term outdoor durability, making it well suited to architectural and industrial applications. And its broad adhesion profile means Discovery® SP-8310 is also suitable for a wider range of substrates and application areas. The solution also delivers good water vapor permeability and high



elongation, enabling long-lasting paint systems with high breathability and elasticity.

Thanks to its 37 percent bio-based content (verified by 14C analysis), Decovery® SP-8310 can enable a carbon footprint reduction of up to 8 percent compared with non-bio-based water-based alternatives. [1]Taking the decorative wood coating market's yearly consumption into account, this impact is equivalent to that of one million football fields of forest. [2]In this way, Decovery® SP-8310 opens new possibilities for longer-lasting exterior coatings with enhanced bio-based content, as well as for a safer, more sustainable coatings industry.

Gerjan van Laar, Marketing Manager Architectural:
"I'm delighted to be launch-



ing Decovery® SP-8310 – a new-generation exterior solution. By addressing the market need for both improved outdoor durability and enhanced bio-based content, this resin will enable our customers to develop future-proof

products, accelerate their growth, and improve their environmental impact. In line with our unique approach to decorative-market innovation, we'll continue investigating these needs and developing solutions to meet them, helping the coatings industry to accelerate both its performance and sustainability."

Source : Chemical Market

**DOW INTRODUCES
SOLVENT-FREE
SILICONE RELEASE
COATING DESIGNED
TO MINIMIZE MISTING
AND IMPROVE
PRODUCTION
EFFICIENCY IN HIGH-
SPEED COATING
OPERATIONS**

Midland, Mich. – November 15, 2021 – Dow (NYSE: Dow) today announced the introduction of solvent-free SYL-OFF™ SL 184 Coating, an energy-efficient alternative that minimizes misting at very high product label production line speeds. A fast-curing silicone that exhibits low release force at both low and high peel speeds, SYL-OFF™ SL 184 Coating maintains overall performance on most existing label coating equipment, including multi-roll lines.

"Release liner producers are investing

in high-speed label coating production lines to increase production rates, lower costs, and meet increased demand for reliable product labels," said Nathalie Gerard, Global Segment Leader for Dow Consumer Solutions. "SYL-OFF™ SL 184 Coating significantly minimizes the misting that occurs in high-speed lines without any performance tradeoffs."

Mist is an aerosol or 'fog' made of silicone droplets that form at the rolls coating head in high-speed release liner operations to form adhesive labels. This causes runnability issues in the curing oven, which leads to more frequent downtimes and higher maintenance costs.

Extensive laboratory and pilot plant testing demonstrates that SYL-OFF™ SL 184 Coating allows high speed operations of up to 1,600 meters per minute with significant mist reduction while maintaining other release coating attributes at high-speed process conditions. Testing also confirmed that SYL-OFF™ SL 184 Coating offers release liner producers formulation flexibility at any speed, with fast curing rates, no migration to the adhesive, and improved substrate anchorage. The new coating also provides very stable release force over time, which is critical for adhesion to a variety of containers and flexible packaging during industrial fast and auto-



mated label delamination operations.

The new coating is solvent-free and more energy efficient because less energy per square meter is required to produce the same quantity of release liners when production lines are running at higher speeds. SYL-OFF™ SL 184 Coating has been designed to comply with FDA and

BfR XV food contact regulations, making it suitable for food labeling applications. During the AWA Global Release Liner Conference and Exhibition on November 17th in Chicago, Lori Dehlin, TS&D Scientist, Dow Performance Silicones, Pressure Sensitive Industries will present the benefits of SYL-OFF™ SL 184 Coating and how it performs in high-speed conditions.

"The bottom line is that new Dow silicone technology makes it possible for release liner producers to move to more profitable high-speed product label operations without compromising performance, cost or sustainability," said Gerard. "Dow is committed to new innovations that help customers succeed."

Source : Dow

MERGERS AND ACQUISITIONS

BOSTIK FURTHER STRENGTHENS ITS GLOBAL FLEXIBLE LAMINATION BUSINESS IN APAC BY INVESTING IN THE LATEST GENERATION NORDMECCANICA INDUSTRIAL LAMINATOR

Bostik joins forces with Nordmeccanica over the purchase of world-class lamination equipment, strengthening its position in flexible lamination in the wake of the acquisition of Ashland's high performance adhesive and in-line with Arkema's sustainability strategy.



COLOMBES, France, Nov. 25, 2021 /PRNews-wire/ -- Bostik, the Adhesive Solutions segment of Arkema, signed today a purchase contract with Nordmeccanica, one of the world's leading lamination

machines suppliers, for the furniture of a cutting-edge commercial laminator, to bolster its global R&D efforts on flexible lamination and further diversify its offering of sustainable smart adhesive solutions.

The new state-of-the-art equipment will be based in Bostik's Shanghai R&D center, and primarily serve the flexible packaging converting industry, which provides adhesive solutions for food and beverage, fast moving consumer goods, pharmaceutical and industrial applications in the Asia Pacific region.

It will allow Bostik to deliver more sustainable, high quality and innovative adhesive solutions to customers in Asia Pacific and around the world, with areas such as solvent-free solutions, low monomer solutions, and solutions that

serve the growing need for monomaterial packaging, among the ones that will receive particular focus.

By enabling Bostik teams to reproduce the

exact production processes that its clients implement, it will also help speed up the pace at which innovations are developed and brought to the market, contributing to the prompt diffusion of

more sustainable adhesive solutions for the packaging industry.

Finally, the new laminator will lead to strengthening the Bostik's Flex Pack Academy, a knowledge center on flexible lamination and adhesive solutions, thus contributing to expanding the knowledge on flexible lamination through the whole value chain.

"Working with partners such as Nordmeccanica will enable us to deliver superior and safe products to our customers, and at the same time unlock our potential in continuously delivering high performance and sustainable solutions. This is perfectly in line with Bostik's strategy to forge purposeful partnerships that contribute to our Group's ambition to create innovative materials for a more sustainable world," commented Richard Lelievre, Senior Vice President of the Advanced Packaging Business Unit at Bostik.

In the wake of the acquisition of Ashland's performance adhesives business, this new partnership further strengthens Bostik's global position in flexible lamination, a steadily growing market,



thus actively contributing to Arkema's ambitious growth strategy.

Source : PRNewswire

PENTEL AND BASF PARTNER TO LAUNCH ERASERS MADE WITH NON-PHTHALATE PLASTICIZER UNDER BRAND ALLIANCE IN THE JAPANESE AND GLOBAL MARKET

- BASF's non-phthalate plasticizer, Hexamoll® DINCH, complies with safety standards
- Pentel to use Hexamoll® DINCH in PVC erasers manufactured in Japan and Taiwan
- Pentel becomes a Hexamoll® DINCH Trusted Partner

Tokyo, Japan – November 16, 2021 – Pentel Co., Ltd. (Pentel), one of Japan's most traditional stationery product manufacturers, and BASF Japan Ltd. (BASF), today announced that Pentel completely switched to BASF's non-phthalate plasticizer, Hexamoll® DINCH, in the production of all erasers made of PVC (polyvinylchloride) under its "Ain" and "Hi-POLYMER" brand erasers. In conjunction with this collaboration, Pentel has become one of BASF's Hexamoll® DINCH Trusted Partners in the Asia Pacific region. The two companies have entered a brand alliance. One of the brand activities includes ingredient branding on the eraser packaging. PVC erasers manufactured with Hexamoll® DINCH are available worldwide where Pentel operates its business.

Plasticizers are chemical additives used to give flexibility to PVC. They are vital to the manufacturing of erasers. Currently, around 80% of the plasticizers in the Japanese market are phthalate-based. Due to safety concerns, restrictions on phthalate plasticizers have been growing in recent years, especially in Europe. Pentel has, therefore, completely replaced phthalate plasticizers with Hexamoll® DINCH in its PVC erasers manufacturing plants in Japan and Taiwan. As of 2020, about 80% of the erasers produced by Pentel are made of PVC and all PVC erasers sold by Pentel in Japan stores and in overseas have been made with Hexamoll® DINCH.

"Our motto is 'Discover the best,' and in our manufacturing, we strive to bring out the ultimate in technology, quality, and feeling," said Takaaki Kawasaki, General Manager of the Product Strategy Dept of Pentel. "Erasers, in particular, are our flagship products boasting top quality in erasability, fewer eraser crumbs, and break resistance. Completely switching over to BASF's Hexamoll® DINCH plasticizer provides added value as it is more friendly to humans and the environment. We are currently selling these erasers primarily in Japan and other parts of Asia, but in the future, we also plan to dedicate even greater effort to the global market."

BASF's Hexamoll® DINCH is a non-phthalate plasticizer specially developed for applications involving close human contact. Since its launch in the market in 2002, BASF has invested more than seven million euros in toxicological research for Hexamoll® DINCH. The research focuses on the product's impact on the environment and human health. Hexamoll® DINCH has been approved and certified* by many authorities and institutions worldwide. It is used as a substitute for traditional phthalates in many sensitive applications, including toys and medical devices.

"I am thrilled that, through

this collaboration with Pentel, erasers made with Hexamoll® DINCH will be sold in co-branded packaging for the first time," said Masatoshi Shoyama, head of BASF Japan's Petrochemical Division. "Since its commercial launch, Hexamoll® DINCH has established a solid position in the plasticizer market for applications, such as food packaging, medical devices, and toys. We will continue working with our customers in Japan to supply the market with products that contribute to sustainability."

Hexamoll® DINCH has been evaluated for its contribution in the three dimensions of sustainability – economy, environment, and society. Using the Sustainable Solution Steering** approach, Hexamoll® DINCH was categorized as an "Accelerator" that makes substantial sustainability contributions in the value chain.

*In Japan, Hexamoll® DINCH has received approval from the Ministry of Health, Labour and Welfare (MHLW) for medical applications and from Japan Hygienic PVC Association (JHPA) for food contact applications.

**The approach has been externally validated by PricewaterhouseCoopers AG Germany (PwC). More than 60,000 products and solutions of BASF were evaluated and assigned to one of the four categories (Accelerator, Performer, Transitioner, Challenged) according to its contribution to sustainability.

Source : BASF



COVESTRO AT THE TRUSTECH 2021 TRADE FAIR IN PARIS ADVANCED ID DOCUMENT TECHNOLOGIES WITH INNOVATIVE SPECIALTY FILMS

Counterfeit protection, data privacy, durability and efficient production of ID documents – these are the key topics Covestro will be addressing at its appearance at TRUSTECH 2021 from November 30 to December 2 in Paris. At booth G025 in Pavilion 5.2, the company will present innovative material solutions with films made of polycarbonate and thermoplastic polyurethane (TPU).

Physical and digital identities are being used more and more frequently in the production of ID cards and passports to help protect ID documents against forgery and manipulation. Visible security features in particular are gaining in importance.

Low fluorescence increases security of ID documents

The market continues to require a consistent fluorescence level of ID documents. The latest Makrofol® ID polycarbonate film solution from Covestro is well suited for this, as it can further enhance consistent and low fluorescence levels for ID cards and passport data pages. The low fluorescence feature can additionally achieve security level 2 by using UV light for verification when applying raised laser-engraved tactile characters during the ID document

personalization. In this way, this transparent polycarbonate film from Covestro can help enhance the security of ID documents.

In addition to this development, Covestro will be showcasing its sophisticated "clear window" concepts for polycarbonate ID documents at the conference. These transparent window solutions are enabled by the use of thin white, highly opaque polycarbonate films, Makrofol® ID O.V.M color-changing polycarbonate films with level 1, 2 and 3 security features of



Covestro as well as with Makrofol® ID super-

laser polycarbonate films. An integrated solution for passports will also be presented, consisting of a passport book cover and hinge using TPU films and a polycarbonate data page.

Georgios Tziovaras, Global Business Development Manager Identification in the Specialty Films business entity, will give two presentations on these and other developments at the accompanying conference: a speed talk on November

30 at 5:00 pm (CET) and a presentation on December 1 at noon.

Source : Covestro

LANXESS LAUNCHES NEW PRODUCTION LINE FOR WATER-BASED COMPOUNDS IN CHINA

- Production line for environment-friendly water-based Pellart compounds inaugurated
- Addressing multiple markets with high growth rates
- Application in furniture, industrial decoration, and automotive interior
- Connection to Application Development Center in Shanghai
- Customer proximity and short development cycles

Specialty chemicals company LANXESS put a new production line for the manufacture of water-based compounds into operation in Nantong, China. The business belongs to the Urethane Systems (URE) business unit which is also producing polyurethane dispersions, an important ingredient of the compounds. Under the Pellart brand these products are used in many functional coatings applications where high requirements in terms of haptics, chemical resistance, gloss level, temperature and abrasion resistance and, above all, the lowest possible content of volatile organic compounds (VOC) are required. Typical areas of application are flat materials for automobile interiors, i.e. instrument panels, seats and door panels, but also decorative foils for consumers and in-



dustry.

Water-based and therefore environmentally friendly products are a strong trend globally. "As the automotive industry will continue to switch from solvent-based to environment-friendly water-based coatings, we see strong potential with attractive growth rates," says Michael Timm, Head of Marketing & Development Cast Elastomers at URE.



With the new production line, the company will be able to supply customers in Asia with modern and environmentally friendly Pellart products. Fast developments and customer proximity are provided by the coupling with the application development center, which was opened by LANXESS in Shanghai in June 2021, as well as by the backward integration into its PU dispersions. All in all, LANXESS thus offers its customers a highly flexible set-up that allows fast scale-up of newly developed, customer-specific Pellart formulations.

LANXESS produces polyurethanes and lubricants at its Nantong site, which

covers over 100,000 square meters. The urethanes products include hot-cast prepolymers, which are components of specialty polyurethanes that are used primarily in the construction, mining, oil, gas, athletic equipment and electronics industries. These polymers are used, for example, to manufacture rollers, tires and wheels, conveyor belts, screens, seals and so on.

Source : Lanxess

HERBAL ESSENCES INTRODUCES NEW PACKAGING WITH EASTMAN RENEW MATERIALS TO COINCIDE WITH AMERICA RECYCLES DAY

KINGSPORT, Tenn. and CINCINNATI, Nov. 10, 2021 — Eastman (NYSE: EMN) and Procter & Gamble (NYSE: PG) are pleased to announce that Herbal Essences will be the first P&G brand to use Eastman Renew molecular-recycled plastic in its packaging. Beginning in November, Herbal Essences, one of P&G's most iconic brands, will introduce five shampoo and conditioner collections in primary packaging made from Eastman Renew resins with 50% certified recycled plastic.*

In August, P&G and Eastman announced a landmark agreement to collaborate on initiatives that will advance the recycling of more materials, encourage recycling behavior and prevent plastic from going to waste. The launch of Herbal Essences in packaging from Eastman Renew materials, timed to coincide with America Recycles Day on November 15, is the first concrete step the companies are taking to leverage

Eastman's molecular recycling technologies and advance their shared commitment to the circular economy.

Five Herbal Essences bio:renew sulfate-free collections, including the Aloe Vera lineup, will be upgraded to Eastman Renew materials beginning this month. These will be followed by two new collections coming to market in January 2022. These new packages will also include standardized How2Recycle® labels to clarify recycling instructions and encourage recycling behavior, even in the bathroom.

"It's on all of us to make a difference and create a more sustainable future where plastics are truly recycled, reused and out of nature," explains Herbal Essences principal scientist Rachel Zipperian. "Making this package change to Eastman Renew materials reduces the brand's dependence on virgin plastic and helps us bring the world one step closer to making plastic a circular resource. By including the standard How2Recycle® label, Herbal Essences is encouraging people to recycle their empty bottles."

Eastman Renew materials are made via Eastman's molecular recycling technologies using waste plastic that, without this technology, would end up in landfills. These advanced recycling technologies complement traditional recycling, expanding the types and amounts of plastics that can be recycled. This gives materials an extended useful life and diverts plastic waste from landfills or the environment.

"We are excited to see our partnership with Procter & Gamble reach consumers' hands with the launch of these Herbal Essences packages," said Chris Layton, Eastman sustainability director for plastics and circular solutions. "We are delivering solutions to the plastic waste problem right now and look forward to the continued collaboration with P&G as a leading partner."

Source : Eastman



Continued from Page 30

For half year ended September 2021, the Profit before exceptional item & tax stood at Rs. 25.6 crore as compared to Rs. 16.3 crore for half year ended September 2020 – witnessing a strong recovery from the pandemic that has affected

global trade in recent times. The Company reported sales of Rs. 407.6 crore in the first half of 2021, as against Rs. 309.8 crore for the corresponding half of the previous year.

The company reported Profit before exceptional items & tax of Rs. 6.0 crore for the quarter ended September 30, 2021,

as compared to Rs. 19.6 crore for the quarter ended June 30, 2021 – witnessing a decline. The Sales declined by 8% at Rs. 194.9 crore, for the quarter ended September 30, 2021, as against Rs. 212.8 crore in the previous quarter. In general, the overall industry was impacted by the increasing raw material and freight costs. The first half of this fiscal continued to exhibit strong resilience despite the headwinds faced by the markets.

Source : Chemical Market

Sabir Launches First-Of-Its-Kind Rehabilitation Center in Support of National Anti-Drug Efforts

SABIC inaugurated today a first-of-its-kind in the Kingdom drug rehabilitation center in cooperation with the Ministry of Health and Diriyah Governorate in Riyadh to help recovered addicts to be productive members of the community and reintegrate fully into society. The inauguration ceremony was attended by Prince Ahmed bin Abdullah bin Abdul Rahman Al Saud, Governor of Diriyah, Fahd bin Abdul Rahman Al-Jalal, Minister of Health, and a number of officials from the health sector.

Yousef Al-Benyan, SABIC Vice Chairman and CEO, said that the center is a result of the combined efforts of various sectors and an extension of SABIC's national commitment toward sustainable projects that have a positive impact on human development. The center offers the right environment for developing expertise in rehabilitation and is an important step toward integrating recovered addicts into society and helping them play productive roles, he said.

The Midway Center, as it is called, is a SABIC initiative to support national efforts to fight the drug menace. Built at a cost of SR 54 million, the center comprises a central building and three subsidiary buildings, with a capacity to accommodate 126 individuals.

The center provides a conducive environment to un-



wind from the pressures of

day-to-day life and applies specialized programs to correct negative behaviors and thoughts that addicts often go through. It also seeks to raise the level of awareness and ensure that recovered people are cared for and are committed to following the law.

Promoting health is a key pillar of SABIC's social responsibility strategy. It goes in line with one of the pillars of Vision 2030, "a vibrant society," and is consistent with the United Nations Sustainable Development Goals.

Source : Sabic



VIEWS AND STATEMENTS



“Amodel® Supreme and Bios are garnering a high level of interest among designers of e-propulsion systems, including e-motors, power electronics, and electronic coolant pumps. Beyond adding value by improving the thermal and electrical performance of e-mobility components in these systems, the new additions to the Amodel® polymers family are being more widely considered as manufacturers are seeking to meet ambitious sustainability targets.”

- Brian Baleno Head of Marketing, Transportation

“This new approach provides insight into an essential part of the publication process that has been typically kept private. Transparent peer review promotes open science by providing access to the exchange between reviewers and authors. It serves another function in helping to educate early career researchers who are just beginning to review or publish research articles. Seeing real examples of other researchers’ reviews and comments can be an invaluable tool for these young scientists.”



- Sarah Tegen, Ph.D., Senior Vice President, Journals Publishing Group at ACS



“At Thermo Fisher we continuously strive to serve our customers better through our products and services. Consolidation of our chemicals business brands is a strategic move to bring our wide range of innovative products under one brand. These changes are being made to simplify the purchasing journey as well as provide customers with one complete portfolio.”

- Amit Chopra, Managing Director, India, and South Asia, Thermo Fisher Scientific.

“The commercial introduction of our carbon-neutrality program for DOWSIL™ Silicones for building facades represents a true evolution in silicone carbon-neutrality. Aligned with the industry efforts towards developing net-carbon-zero buildings to reduce CO2 emissions, Dow is leading the way in decreasing the embodied carbon present in construction materials.”



- Markus Plettau, Dow's global segment leader for building facades.



“Airnov is concerned about the protection of the environment and strives to minimize its global impact by improving its production and operational processes, as well as product design. Raw material optimization and reduced energy consumption reduction are just the first of many steps that Airnov has committed to along its path for a more sustainable impact.”

- Mélissa Plantier, Product Manager at Airnov



VIEWS AND STATEMENTS



"SABIC continues to advance the performance properties of our NORYL materials for e-mobility to keep pace with rapidly changing industry requirements, such as more robust flame retardancy. By developing these unique and proprietary high-performance PPE copolymer technologies, we are able to expand our formulation design space. This is key for us to offer customers new choices for the next generation of battery designs and enable them to meet stringent requirements."

- Luc Govaerts, director, Formulation & Application Development, SABIC's Specialties Business.



"It's on all of us to make a difference and create a more sustainable future where plastics are truly recycled, reused and out of nature. Making this package change to Eastman Renew materials reduces the brand's dependence on virgin plastic and helps us bring the world one step closer to making plastic a circular resource. By including the standard How2Recycle® label, Herbal Essences is encouraging people to recycle their empty bottles."

- Herbal Essences principal scientist Rachel Zipperian.



"Our partnership with Braskem is a very important step in strengthening Lummus' technological leadership in the energy transition. Lummus, as the largest ethylene supplier in the world, is confident in the green solutions that we can develop together with Braskem, market leader and pioneer in the production of biopolymers on an industrial scale, recognized for its operations in the circular economy. Our expertise, experience and collective resources will accelerate circularity in our industry and help customers decarbonise their investments and make greener products."

- Leon de Bruyn, President and CEO of Lummus Technology



"PLINAZOLIN® technology is a result of our ongoing commitment to investing in the long-term development of innovative and effective solutions that increase crop productivity in an environmentally sustainable and responsible way. It's exciting that growers in Argentina will be the first to benefit. Pests and diseases are a continually evolving threat, and the changing environment makes it even harder for farmers to grow their crops. Delivering farmers state-of-the-art and efficacious solutions to safeguard their crops is precisely what Syngenta Crop Protection is all about."

- Jon Parr, President Global Crop Protection at Syngenta.



"Cristal Renew and Cristal One Renew, made with Eastman's innovative molecular recycling technologies, enabled us to offer sustainable packaging with premium attributes such as high transparency, thick-walls and high gloss. Our previous work with Eastman demonstrated their quality, safety and technical competence. Knowing that Eastman is innovating toward sustainable materials in a responsible way gave us the confidence to work with them to develop these new additions to our standard packaging lines."

- Andréia Johansen, Incom commercial manager.



INOVYN Announces Project to Develop Europe's First Hydrogen Powered Barge for Bulk Liquid Chemical Transport

INOVYN has today announced a partnership with the Netherlands based VT Group (Verenigde Tankrederij) to build Europe's first bulk liquid chemical barge powered by hydrogen.

This is part of INOVYN's ongoing strategy to develop green hydrogen and replace existing carbon-based sources of energy, feedstocks and fuel.

The hydrogen-powered barge will transport vital raw materials for INOVYN between its sites at Antwerp and Jemeppe, Belgium. The low carbon hydrogen to power the barge will be supplied by INOVYN as a co-product from its chemical manufacturing operations.

VT Group will retrofit an existing barge with hydrogen technology, replacing the gasoil combustion technology that is fitted today. This will reduce annual CO₂ emissions by an estimated 1,000 tonnes.

Comments Wouter Bleukx, Hydrogen Business Manager for INOVYN: "This is the latest example of INOVYN driving the decarbonisation agenda as part of INEOS's €2 billion investment programme. Hydrogen-powered transport will play a critical role in Europe's journey to net-zero and INOVYN is perfectly positioned to drive down emissions in the transport sector as we are already a producer of low-carbon hydrogen and have significant demand for transport."

VT Group will own and operate the new barge on behalf of INOVYN. Niels Groenewold, CEO of VT Group comments: "Our strong relationship with INOVYN has always enabled us to innovate. Being able to contribute to a net-zero operation is very valuable to us and is perfectly aligned with our company's sustainability ambitions."

INOVYN, through its parent company INEOS, is involved in multiple projects across Europe to develop green hydrogen and replace existing carbon-based sources of energy, feedstocks and fuel.

The group will work closely with national and European governments to facilitate hydrogen's significant role in the new green economy, including this project.

Source : Ineos

Evonik Now Offers Customizable RESOMER® PrintPowder for 3D Printing of Personalized, Implantable Medical Devices

- Expands portfolio of bioresorbable polymers with customizable properties to support customer innovation
- Maximizes material choice for customers using selective laser sintering (SLS) of medical devices
- Enables patient-specific devices and expands the use into new clinical applications

Essen, Germany. Evonik now offers a broader range of RESOMER® PrintPowder polymers to enable the 3D printing of personalized implantable medical devices. The new powders are available globally for 3D printing through selective laser sintering (SLS).

Thanks to a broader range of customizable mechanical properties and degradation rates, the new powders can be used for more complex and tailored

medical devices including diverse orthopedic, dental, or soft tissue applications. Evonik also offers comprehensive SLS application and printing service support for the new powder types.

"We are proud that these new powders will allow manufacturers to create personalized devices with complex internal designs that match a patient's anatomy – this will open up new treatment options for patients," said Thomas Riermeier,



Head of Evonik's Health Care business line.

Evonik is a market leader in medical grade powders for SLS printing, as well as offering bioresorbable filaments for FDM printing. The second generation of RESOMER® PrintPowder maximizes the choice for SLS printing of medical devices and widens application to more clinical indications. By expanding both its portfolio of GMP-grade bioresorbable polymers for SLS printing and its 3D printing services, Evonik's Health Care business line is increasing its offering of bioresorbable materials for medical technology system solutions. The share of system solutions in the Nutrition & Care division, which is home to Evonik Health Care, is set to increase from 20 percent today to more than 50 percent by 2030.

The new polymer print powders build on the success of the first-generation

free-flowing RESOMER® PrintPowder C 212 F. This powder, which was launched in 2020, is based on polycaprolactone and offers tight specifications and an optimized particle size distribution for SLS. In contrast, the new range of polymers, which are now available for



sampling and customer evaluation, add polylactide or polydioxanone-based polymers into the portfolio for SLS printing.

3D printing is a versatile and precise way of produc-

ing medical implants. The development of additional materials for 3D printing allows health care providers and device manufacturers to bring new treatment options to the patients.

Evonik is a leading global solutions provider for innovative materials in the medical device and pharmaceutical markets. RESOMER®, now commercially available for more than 30 years, is the industry's most comprehensive GMP (Good Manufacturing Practice) portfolio of standard, custom and specialized bioresorbable polymers for use with implantable medical devices and pharmaceutical drug products.

Source : Evonik

Sabir Affiliat United Begins Startup Activities at its New Ethylene Glycol Plant

SABIC has announced the initial start-up activities of the Ethylene Glycol Plant – 3 at its manufacturing affiliate, Jubail United Petrochemical Company (United), with an estimated annual production capacity of 700,000 metric tons of monoethylene glycol.

The financial impact of this development will be reflected after the pre-commissioning activities and the start of commercial operations.

With this additional capacity at United, SABIC seeks to maintain its position as the largest producer of ethylene glycol in the world. The new plant will use innovative technologies to reduce emissions and increase energy efficiency in line

with SABIC's commitment to minimize environmental impact through sustainable use of resources.

"This successful startup surely adds to our global Ethylene Glycols footprint and strengthen our reliability of supply to our customers, bringing us closer to our vision to be the preferred world leader in chemicals," said Abdulrahman Alfageeh, SABIC Executive Vice President, Petrochemicals.

SABIC's ethylene glycol production seeks to meet the world demand for key products such as polyester

fibers and polyethylene terephthalate (PET). Ethylene glycol is also an important industrial solvent, used to make unsaturated polyesters, plasticizers and resins. It is also employed as a softening agent to make glues and adhesives more flexible, and is an important component in formulations of brake fluids, pastes and pigments.

Source : Sabic



Solvay Launches Reactive Waterborne Emulsifier for Solid Epoxy Resins

Brussels, November 17, 2021 Solvay has developed Reactsurf® 0092, an alkylphenol ethoxylates-free (APE) and non-ionic reactive water-based emulsifier for solid epoxy resins mainly for use in industrial coatings and paints or binders.

Solvay's unique and versatile Reactsurf® 0092 technology allows for the formulation of high-performance waterborne epoxy-based coatings which can match or exceed that of solvent-based (SB) coatings but with an appreciably lower level of volatile organic compounds (VOCs). Solvay is continuously developing and supplying products to meet the sustainable development challenges and regulatory requirements its customers are facing today and tomorrow for cleaner, healthier paints, and coatings formulations.

The new, cost-effective, environmentally and processing friendly emulsifier offers easy handling by combining both characteristic external and internal emulsification phases with no additional chemical modification required.

“Solvay’s Reactsurf® 0092 emulsifier incorporates a highly reactive functional cross-linking group, a perfect balance and synergy between emulsification and epoxidation to achieve a highly reactive emulsifier,” said Dr. Rong Er Lin, Research & Innovation Manager, Solvay Novocare Coatings Asia-Pacific. “This offers good particle size control for optimum emulsion coalescence and consistency without reduction in strength and provides excellent application performance and emulsion stability of paints and coatings.”

Waterborne epoxy emulsions which incorporate Solvay’s Reactsurf® 0092 exhibit excellent freeze-thaw (F/T) resistance and are still flowable under -10°C (14°F) at up to 5 F/T cycles. Results of salt spray tests (ASTM B-117) on cold steel rolled (CRS) plates coated with epoxy emulsion paint with both high and low pigment volume concentrations (PVC) display a combination of high corrosion resistance, superior wet-adhesion, and no peel off, contrary to test benchmarks. Additional characteristics such as MEK (methylethylketone) Rub Test (ASTM D5264), impact resistance and pendulum hardness are equivalent to conventional waterborne epoxy coatings but with the significant benefit of very low VOCs.

High-performance waterborne epoxy resin paints and coatings are used in a wide variety of end-use industrial applications such as railway freight and passenger rolling stock, rail tracks and fittings, storage tanks, shipping containers, pipes, and structural steelwork.

Source : Solvay

Asahi Kasei to Produce Solution-Polymerized Styrene-Butadiene Rubber Using Butadiene Derived from Plastic Waste

Asahi Kasei concluded an agreement with Shell Eastern Petroleum (Pte) Ltd. (hereinafter “Shell”) on November 23, 2021, regarding the supply of butadiene derived from plastic waste and biomass (hereinafter “sustainable butadiene”). The signing ceremony was held at the “Creating the Plastic Circular Economy in Singapore: Journey from Vision to Reality” event on Bukom Island, Singapore. Asahi Kasei plans to

begin producing and marketing sustainable solution-polymerized styrene-butadiene rubber (S-SBR) using the sustainable butadiene at its plant in Singapore by the end of fiscal 2021.

S-SBR is a type of synthetic rubber used mainly for high-performance fuel-efficient tires (eco-friendly tires). Demand for eco-friendly tires is growing worldwide with stricter environmental regu-

lations and heightened environmental awareness. By enhancing fuel-efficiency performance while maintaining safety performance, S-SBR is recognized as an optimum material for eco-friendly tires. To accelerate efforts for decarbonization to achieve carbon neutrality by 2050, the automotive industry is transitioning to electric vehicles while the tire industry is further improving the fuel-efficiency and wear resistance of tires. Against this



background, there is rising demand for greater sustainability of S-SBR as a material for eco-friendly tires.

Asahi Kasei continues to focus on technological developments for high-performance S-SBR products that enable further improvements to fuel efficiency and wear resistance, in order to meet requirements for increased driving range and mass production of electric vehicles. Moreover, Asahi Kasei has sought to transition to sustainable feedstock in order to reduce CO2 emissions throughout its supply chain. Shell is working to reduce CO2 emissions during production of chemicals and realize a circular economy with the goal of becoming a net-zero emissions energy business by 2050, in step with society. Shell will produce sustainable butadiene by mass balance* method in two ways at Shell Energy and Chemicals Park Singapore, located on Bukom. The first is a method of converting plastic waste into pyrolysis oil and feeding it to its Ethylene Cracker Complex, and the second is using bio-feedstock as a feed.

Asahi Kasei will be the world's first company to use butadiene derived from plastic waste, and the first Japanese company to use butadiene derived from biomass, for S-SBR production (according to internal research). Throughout the life cycle of tires from materials, production, use (driving), disposal, and recycling, the proportion of CO2 emissions in the case of internal combustion engine vehicles is highest in the use phase. In the case of electric vehicles, in contrast, use-phase emissions are reduced by a wide margin, making emissions from

materials such as S-SBR relatively higher. The use of sustainable S-SBR therefore enables a significant reduction in CO2 emissions over the life cycle of tires. Asahi Kasei thus expects to make a significant contribution to reduced CO2 emissions throughout the supply chain through the production of S-SBR using sustainable butadiene.

Asahi Kasei will now advance preparations to acquire international certification for biomass and recycled feedstock. In addition to improving the performance of its S-SBR products and reducing CO2 emissions across the product life cycle toward the goal of becoming carbon neutral by 2050, Asahi Kasei aims to be a global leading sustainable partner for its customers.

Source : Asahi Kasei

A new Advanced Bio-Circular Medical Polymer for Medical

With a proven legacy in high performance materials for medical applications, Arkema now announces the launch of a new high rigidity Advanced Bio-Circular polyamide 11 medical polymer intended to replace metal and traditional polymers in demanding medical applications.

The new polymer offers a combination of features in terms of physical performance, lightweight and sustainability. More and more, medical device manufacturers are demanding the best of both worlds, especially in terms of their drive toward improved CSR (corporate social responsibility) and climate change impact:

- Biocompatibility
- As high performing as metal
- Easy to process
- Lightweight
- Allowing for a perfect finish
- High resistance to aggressive chemical agents and repeated sterilization cycles
- >98% Bio-based carbon – with a climate change impact that is typically 40 to 50% lower than competitive fossil based alternatives; Strong reduction in depletion of natural resources (fossil fuels)
- Recyclable – especially as part of

Arkema's closed loop and open loop Virtucycle® recycling programme.

Arkema's Advanced Bio-Circular (ABC) materials have a long, proven legacy in some of the world's most demanding applications. These bio-based, recyclable polymers are derived from Arkema's flagship amino 11 chemistry, which in turn, is derived from the oil of the



renewable castor bean. Castor beans do not compete directly with the food chain and do not cause deforestation.

Formulated with a high content (65%) of glass fibers, the new Rilsan® MED polyamide 11 grade displays a tensile modulus of 18.5GPa, making it an ideal candidate to replace metal for the production of highly demanding surgical tools.

The new grade also requires low mold temperatures and injection pressures. Those properties helped early adopters to switch materials easily and to decrease their cycle times significantly

whilst maintaining component integrity. Furthermore, this new material exhibits excellent resistance to gamma, steam, ETO and e-beam sterilization, opening new doors and opportunities for the development of sustainable reusable surgical tools and for the replacement of petroleum based polymers.

The biocompatibility of this new product has been successfully assessed according to USP Class VI, ISO 10993-4, ISO 10993-5 and ISO 10993-10 standards.

"We have found in this new product an ideal material for our surgical tools, easier to process than the PARA (Polarylamide) we were using before. Its bio-based nature has given us a real advantage to answer our customer's drive

towards more sustainable materials." Mark Jessup, Managing Director at Surgical dynamics, one of the early adopters of this new rilsan® med

"Arkema continues to innovate to offer sustainable and recyclable materials, based on our proprietary polyamide 11 chemistry, to the most demanding and challenging markets. Our medical device customers are becoming more and more vocal on sustainability and Arkema is extremely well positioned to successfully help them transition to renewable materials and reaching their goals to reduce natural resource depletion." François Ruas, Health & Beauty Global Market Manager, Arkema High Performance Polymers

Source : Syngenta

Dow sponsored and presented at recent Council on Tall Buildings and Urban Habitat conference

MIDLAND, Mich. – November 13, 2021 – Dow (NYSE: DOW) proudly sponsored the Council on Tall Buildings and Urban Habitat's (CTBUH) 2021 conference, "The Future City: Addressing Carbon, Climate & Societal Crises," November 8-12, 2021, in Chicago, IL.

The conference included educational sessions, off-site programs and a networking reception, the event's delegates discussed how the high performance building industry contributes to addressing global challenges of the urban realm, such as carbon emissions, climate change, social justice and healthcare.

Dow's own Stanley Yee, façade design

and construction scientist, presented "Designing Building Materials for the Full Life Cycle," as part of a panel session on "Carbon: Counting, Curtailing, and Capturing."

"It was an honor to participate in this program," said Yee, a LEED Accredited Professional with over 25 years experience in the high performance building industry. "CTBUH provides an important platform for our industry from a global perspective and in relation to the crises we face, especially in our cities. Our industry can be a leader

in addressing these crises through innovations and breakthroughs in sustainable high performance building and green building technology, and this event allows us to discuss."

Registered professionals acquired up to 12+ Continuing Education Credits (CES) with the American Institute of Architects (AIA) CES program. Delegates gathered for a discussion regarding challenging global issues, at what is one of the latest skyscrapers built along the Chicago River banks: the 110 North Wacker building on 110 North Wacker Drive, Chicago, IL, 60606.

Source : Dow



Westlake's Vinnolit Introduces New Lower-Carbon GreenVin PVC

HOUSTON--(BUSINESS WIRE)--Westlake Chemical Corporation (NYSE: WLK) today announced its Vinnolit subsidiary in Germany launched GreenVin™ Polyvinyl Chloride (PVC), a lower-carbon alternative PVC, which is one of the most widely utilized plastics in the construction, automotive and medical sectors.

"Market demand for lower-carbon plastics and materials is rising rapidly as more customers are seeking ways to reduce their carbon footprints and meet their sustainability goals," said Vice President, Europe & Asia Vinyls Chemicals, Dr. Karl-Martin Schellerer. "GreenVin™ PVC performs as well as traditional PVC while offering a more climate-friendly product that our customers can feel good about using. This product and the entire GreenVin™ product line are part of our overall commitment to meeting society's needs and enabling a better future."

The introduction of GreenVin™ PVC follows the market launch of GreenVin™ caustic soda earlier this year, with the product line expected to extend into the Company's vinyl chloride and hydrogen products in the future. Caustic soda is an essential ingredient for the produc-

tion of many materials, including detergents, construction materials, pulp and paper, pharmaceuticals and water treatment products.

The Vinnolit GreenVin™ brand is based on European high-quality renewable energy certificates (Guarantees of Origin) associated with the production of the lower-carbon PVC and caustic soda. Depending on the PVC type, the carbon-dioxide savings with GreenVin™ PVC are about 25% compared to conventionally produced Vinnolit PVC. The respective carbon footprint for the entire product portfolio was calculated by Sustainable AG in accordance with the ISO 14067 standard. Review and certification are carried

out by TÜV Rheinland.

Westlake recently released its 2020 ESG Report, Essential Products, Critical Innovations, which provides details on its ESG goals and achievements for its operations, safety, products and people, and includes information on lower-carbon product development and more sustainable manufacturing. Procuring green power – in addition to the continuous improvement of the energy efficiency of the production processes – is a step toward achieving CO2-neutral PVC supply. These efforts also support the energy transition and the European Green Deal. In addition, Vinnolit is working with partners to also offer bio-attributed PVC, based on bio-ethylene.

"With GreenVin™, we are working to make the entire Vinnolit product portfolio, including PVC, more environmentally friendly and sustainable," Schellerer added. "At Westlake and Vinnolit, we are proud to be doing our part for a stronger industry and sustainable future."

Source : Westlake

New Dye from LANXESS Increases Safety Under the Hood

- Range of dyes now includes signal color for the plastics industry
- New, bright RAL 2003 orange for high-voltage components in electric vehicles
- Live components can now be permanently colored with heat-stable Mac-

rolex Orange HT

Specialty chemicals company LANXESS has developed a new colorant that can be used to permanently color polyamides (PA) and other plastics with the RAL 2003 shade of orange. The soluble organic dye Macrolex Orange HT is highly heat-stable, light fast and weath-

er resistant and offers outstanding color strength and brilliance.

Unlike most conventional dyes, Macrolex Orange HT is perfect for not only PA but also other common plastic types such as polycarbonate (PC) or polyphenylene sulfide (PPS), which, due to their high processing temperatures,



Price as on November 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

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normally pose a challenge for colorants. The new halogen-free colorant offers consistently high quality and high-precision coloration ($dE \leq 0.7$), which is particularly important for orange shades. A color difference of $dE < 1$ cannot usually be perceived by the human eye. In addition, the new “high-voltage orange” from LANXESS is cost-efficient thanks to its high color strength.

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

In addition to high-voltage applications, Macrolex Orange HT can also be used to color other high-quality plastic products such as housings for tools and oth-

er electronic devices as well as technical plastics for vehicle parts and structural applications.

Signal color warns of potential danger

Vehicles with electric drives are naturally exposed to higher voltages and currents than combustion engines. Voltages of up to 400 V DC in the battery circuit and up to 1000 V AC in the



engine circuit are possible, with AC voltages exceeding 42 V and DC voltages exceeding 60 V already considered potentially life-threatening. This is why the live components of an electric drive

are colored bright orange so that they can be quickly and easily identified. As a result, the new Macrolex Orange HT product helps to reduce the risk of accidents during the handling of electric motors.

Dyes, pigments and pigment preparations for a wide range of applications

The dyes in LANXESS’s Macrolex range allow a diverse range of potential applications and offer excellent compatibility with a large number of polymer types and manufacturing processes. They also meet numerous legal requirements for use in food packaging or children’s toys.

The range of colorants offered by the Polymer Additives business unit comprises around 150 products and, in addition to Macrolex-brand colorants, a range of pigments and pigment preparations for use in a wide range of demanding applications.

Source : Lanxess

Celanese and Mitsubishi Chemical Advanced Materials to Collaborate on Recycled Pom Product Offering

DALLAS and ZURICH, SWITZERLAND (November 17, 2021) – Celanese Corporation (NYSE: CE), a global chemical and specialty materials company, and Mitsubishi Chemical Advanced Materials (MCAM), a leading global manufacturer of high-performance thermoplastic materials in the form of semi-finished products and finished parts, today announced a joint collaboration to further develop mechanical recycling solutions for both post-industrial and post-consumer sources of polyoxymethylene (POM), also known as acetal copolymer, to meet the requests from customers seeking recycled content options and carbon dioxide re-

ductions while still maintaining product consistency, quality and performance. Celanese and MCAM plan to work together to assess options to convert waste streams into marketable, end-product formulations so that Celanese can offer its customers sustainable options for scrap or end-of-life waste with assurances of closed loop material reuse.

In November 2020, Celanese introduced a sustainable polyacetal product offering known as POM ECO-B, a mass-balance, bio-based option which allows customers to realize reduction in carbon dioxide emissions in their end-use products and advance toward their

renewable content goals. While POM ECO-B is commercially available now, not all customers or industries are ready to adopt bio-mass balance that comes with its carbon dioxide footprint reduction benefit.

Today’s joint announcement with MCAM builds upon Celanese’s sustainable product offerings by initiating development of a recycled content option of the Celanese Hostaform® / Celcon® POM product that will be marketed as POM ECO-R, a recycled content offering to be jointly developed with MCAM. MCAM would conduct the recycled feedstock collection, separation,



and processing, while Celanese would provide the formulation, product technology and production capability. Celanese expects to offer to existing and new customers its POM ECO-R solution with a recycled content offering of up to 30 percent.

POM ECO-B, where the polymer itself is identical to its fossil-based twin but where the carbon feedstock is replaced with bio-based feedstock in a mass-balance approach, is different from POM ECO-R in that POM ECO-R would be derived from both post-industrial and post-consumer sources of POM to offer a recycled content solution.

“Celanese is a leading, global producer of acetal copolymer, and our industrial scale manufacturing capa-

bilities for POM are ideally suited for helping customers in a range of industries – such as medical, automotive and consumer goods – to meet their strategic environmental goals,” said Tom Kelly, Celanese Senior Vice President, Engineered Materials. “Offering both bio-based POM content, which can be uniquely produced from waste products via bio-methane or from CO2 emissions, and recycled POM through a collaboration with MCAM, ele-

vates the broad usability of POM as an ideal engineered material that can help our customers meet and achieve their sustainability goals.”

“MCAM has invested significantly in enabling closed loop opportunities for post-industrial and post-consumer POM waste streams. In partnership with raw material supplier Celanese and its extensive capacities, we can now offer a wide range of new opportunities to our customers to achieve their own sustainability goals, support CO2 reduction and work towards a climate-neutral economy,” said Markus Wehinger, Business Manager, MCAM Recycling Solutions.

Source : Celanese

Toray Develops Qticle™, a Smooth and Supple New Fabric

Tokyo, Japan, November 29, 2021 – Toray Industries, Inc., announced that it has developed Qticle™, a polyester filament fabric that combines the structure of hair and wool with a smooth and supple texture and functionality.

The company will offer Qticle™ for everything from casual medium-weight fabrics for men's and ladies' outerwear through cut-and-sewn items, broadening the design freedom and potential for high-end apparel in Japan and around the globe. Toray aims to commercialize this fabric for spring/summer 2023 collections. It targets annual sales of 200,000 meters in fiscal 2022 (through end-March 2023), and 500,000 meters by 2025.

Hair and wool comprise numerous protein layers. Their properties and structure deliver excellent elasticity and lus-

ter.

Qticle™ is a biomimetic fabric. Toray created it by



employing its proprietary NANODESIGN™ composite spinning technology to design an eccentric yarn with

an ultrathin shell layer with which it combined fiber processing technology to create a crimped structure and fine surface irregularities. An eccentric yarn has a cross-section with two different polymers, each with different centers of gravity.

Toray's technologies have enabled it to attain natural, lustrous, and deep colors, a pleasantly smooth and supple feel, and functional stretch for comfort and easy care.

In the years ahead, Toray looks to also offer a range with polymers made from recycled materials to cater to sustain-



ability needs.

The COVID-19 pandemic accentuated the need for fashion to learn from and respect nature, as ethical consumption and veganism do, rather than seeking to control and exploit.

Toray will continue to explore new possibilities for fashion through research and technological development that scientifically recreates the attributes of natural materials.

The company will continue to cater to

and help enhance diversifying lifestyles by supplying innovative technologies and advanced materials.

Source : Toray

Source : Toray

Airnov Continues To Expand And Invest In Productivity And Product Innovation To Mitigate Rising Costs And Support Growth In Existing New And Emerging Markets

December 02, 2021 – Airnov Healthcare Packaging, a global leader in shelf-life preservation solutions to protect pharmaceutical, nutraceutical and diagnostic products from moisture and oxygen, reports that its site expansions in Changshu, China, and Cuddalore, India, are nearing completion, ready to serve a growing customer base in the region. In addition, the company's manufacturing plant in Belen, New Mexico, USA, is being modernized with state-of-the-art equipment and a new production line expected to go on stream in 2022.

"The demand for safe pharmaceutical and healthcare packaging keeps rising," says Dr. Matthias Brommer, President & Managing Director at Airnov. "In fact, the global desiccants and modified atmosphere packaging industry is expected to grow at annual rates of five percent. We are investing heavily to seize these opportunities, as we continue our four-pillar strategy designed to enhance productivity, drive product innovation, open attractive new and emerging market segments, and support further growth."

While these investments will help the company off-

set some of the recent cost increases in energy and transportation, the global supply chains have come under significant pressure, resulting in steeply rising raw material prices. Another cost driver is seen in ever more severe safety and environmental regulations. At



the same time, customers need to address the growing sustainability awareness of consumers, which permits no faltering in the develop-

ment and implementation of innovative new product technology. "Despite all efforts to mitigate the cost increases a price adaptation by at least 5% and up to 11% if exposed to certain

raw materials had therefore become inevitable to stay ahead and meet these challenges without compromising the competitive benefits of our superior products for customers," explains Dr. Brommer.

Airnov Healthcare Packaging has established itself in the global market as a trusted supplier with key added value propositions across a diversified range of desiccant, oxygen barrier, equilibrium stabilizer and odor control products. Determined to maintain the highest standards of product quality, consistency and supply security, along with industry leading R&D and customer support, the company is extending its market reach and technology scope. In Asia, it has expanded its manufacturing sites in Changshu, China, with added capacity e.g. for bottles and vials, and in Cuddalore, India, with added capacity e.g. for canister products. At Belen in the United States, Airnov is in the process of modernizing its plant to boost productivity and develop new technologies in 2022, such as laser marking. Upcoming innovations will also include a new line of products for the diagnostics market.

Source : Chemical Market



Huntsmans Avitera® Se Rose Gives Textile Mills A Competitive Advantage

SINGAPORE – Huntsman Textile Effects has released the latest addition to the third generation of its revolutionary AVITERA® SE polyreactive dye range with the introduction of AVITERA® ROSE SE for brilliant bluish-red shades. The innovative new dye significantly outperforms the best available dyeing technologies for cellulosic fibers and blends, delivering substantial water and energy savings, exceptional overall fastness, and reduced costs.

AVITERA® ROSE SE slashes the water and energy required for production by up to 50% thanks to its unique low-temperature and high-speed wash-off technology. It further delivers excellent right-first-time performance, with outstanding compatibility, levelling properties, and on-tone build-up. The cost-effective formulation reduces recipe costs for medium-dark shades while both minimizing processing costs and eliminating reprocessing. It also increases mill output by up to 25% or more.

“The latest addition to our third-generation AVITERA® dyes opens new

possibilities for designers and brands, with beautiful, long-lasting brilliancy across bluish-red shades along with optimal environmental and economic



sustainability. Bringing eco-friendly performance and cost savings together in this way is a true innovation for

an era of more demanding consumers and stricter environmental standards,” said Lutfu Okman, Vice President Global Revenue, Huntsman Textile Effects.

Using AVITERA® ROSE SE, brands can

stand out with brilliant bluish-red textile products in a broader shade gamut. The dyes offer very good light fastness levels for classic bluish trichromatic element, with exceptional overall fastness performance. Products dyed with AVITERA® ROSE SE have the highest chlorine resistance, tailor-made for stringent Japanese and US laundering requirements, and are suitable for use with Huntsman's HIGH IQ® Lasting Color Eco color-retention program. With minimal chance of cross-staining, they are ideal for red-white striped cotton knit fabric.

AVITERA® ROSE SE is fully compliant with the most stringent industry and brand-specific restricted substance lists. It is bluesign® approved and is suitable for STANDARD 100 by OEKO-TEX® certified textile products.

Launched by Huntsman Textile Effects in 2010, the first-generation AVITERA® SE dyes set the benchmark for sustainability in the textile industry. The second generation expanded the range's color palette from the palest to the deepest and darkest shades. The third generation further enhances the economic sustainability of the AVITERA® range while delivering unrivalled environmental benefits, outstanding operational performance, and attractive textiles with exceptional overall fastness.

Source : Chemical Market

Westlake to Acquire Hexion's Global Epoxy Business

HOUSTON--(BUSINESS WIRE)--Westlake Chemical Corporation (NYSE: WLK), today announced that it has entered into a definitive agreement with Hexion Inc. to acquire Hexion's global epoxy business for approximately \$1.2 billion. Based in Rotterdam, The

Netherlands, Hexion's epoxy business is an industry leader in the manufacture and development of specialty resins, coatings and composites for a variety of industries, including high-growth and sustainability-oriented end-uses such as wind turbine blades and light-weight

automotive structural components. In the twelve months ended September 30, 2021, Hexion's epoxy business had net sales of approximately \$1.5 billion.

With this transaction, which is anticipated to be completed in the first half



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

PRODUCT LIST

1 Amino

AAKAR DYES AND CHEMICALS Pg 14

1 Naphthol

AAKAR DYES AND CHEMICALS Pg 14

2(4 Ethyl Benzol)

Mavani Chemicals Pvt. Ltd. Pg 13

2(4 Methyl Benzoyl)

Mavani Chemicals Pvt. Ltd. Pg 13

2, 6. Dihydroxy Naphthlene

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2 Naphthol

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3,6 Disulfonic Acid

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A

Acetonitrile

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Amido G. Acid to Gamma Acid

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Amino ISO J Acid

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B

Basic Auramine Liquid

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Basic Bismark Brown R

HIREN ENTERPRISES Pg 14

Basic Bismark Brown Y

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Basic Brown R Liquid

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Basic Crysodine R (Powder)

HIREN ENTERPRISES Pg 14

Basic Crysodine Y Base (Solvent Orange 3)

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Basic Crysodine Y (Crystal & Powder)

HIREN ENTERPRISES Pg 14

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Benzoic Acid

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Beta Naphthol to G. Salt

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B.H.K. Acid

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BIS AZO

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Blue TL

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BM Alizarine Red

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Bordo 3B

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Dehydro Thio Based

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Diethylamine

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Diethylenetriamine

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Diethylhydroxylamine (DEHA)

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Diisopropylamine

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Diisopropylether (DIPE)

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Diisopropylethylamine

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Dimethylamine Hcl

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Dimethylaminopropylamine (DMAPA)

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Dimethylformamide

Krishna Solvechem Ltd. Pg 12

Dimethyl Sulphoxide

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Di-n-butylamine

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Direct Violet Base

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Direct Yellow - 09

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Direct Yellow 11 Liquid

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Direct Yellow 87 Base

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E

Edible Refine Salt

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Formic Acid 85% Luxi

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G

Gibberlic Acid

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Green - BL

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G Salt to Amido G Acid

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H

H Acid

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Heptane

Krishna Solvechem Ltd. Pg 12



Hexane

Krishna Solvechem Ltd. Pg 12
Basic Brown Y Liquid Pg 14
HIREN ENTERPRISES Pg 14
Basic Brown Y Liquid Pg 14
Hydrogen Peroxide 50%
Krishna Solvechem Ltd. Pg 12

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Isoprpyl Alcohol (IPA)
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J Acid
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L

Lactose Monohydrate
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M

Mamas Acid
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Methoxy Acetyl Chloride
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MIPA 70%
Krishna Solvechem Ltd. Pg 12
Mnoethylamine 70%
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MSP
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N

Naphthalene 2:7 Disulfonic Acid
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O

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Q

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S

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Sodium Bromide
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Sodium Chloride
Krishna Solvechem Ltd. Pg 12

Sodium Chloride NACL 99%

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Sodium Percarbonate
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T

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Tetrahydrofuran (THF)
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Thionyl Chloride
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of 2022 following customary closing conditions, Westlake will significantly expand its integrated business by adding a downstream portfolio of coatings and composite products to its leading chloro-vinyls businesses.

“Light-weighting is a critical feature for the manufacture of structural components for automobiles and for renewable energy, particularly the composite blades used by wind turbines, and epoxies are key ingredients for these sustainable products,” said Westlake President and Chief Executive Officer Albert Chao. “The industries served by Hexion Epoxy are very attractive to Westlake and the business is expected to be a synergistic addition to Westlake’s

existing businesses. We look forward to welcoming the Hexion epoxy employees to the Westlake family and realizing the tremendous opportunities to grow the combined businesses.”

Hexion Epoxy is a global leading producer of epoxy resins, modifiers and curing agents for high-performance materials, coatings and composites. The fully-integrated business includes upstream base epoxy resins and intermediates

delivered as liquid or solid epoxy resins, as well downstream specialty epoxy resins used in coatings and composites. Hexion Epoxy operates globally on three continents with eight manufacturing facilities and five research and development labs located in Asia, Europe and the United States, as well as tolling sites in Asia.

Source : Westlake

Theres Gold in Seawater can we Extract it Video

WASHINGTON, Nov. 15, 2021 — The ocean has about 20 million tons of gold in it — that’s around 700 TRILLION DOLLARS worth of gold!

In this episode of Reactions, we explore how, for over a century, people have struggled to collect it. And we see if, where they failed, we can succeed: <https://youtu.be/j5eom-Dz4Z0E>.



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Source Chemical Market

Periodic Audio Selects Eastman Tritan™ Copolyester for In-Ear Monitors

VENTURA, Calif., Dec. 1, 2021 — Periodic Audio has announced that Eastman Tritan™ copolyester will be the material used for the bodies of its next-generation in-ear monitors (IEMs).

Company co-founder Dan Wiggins said the decision came after Periodic Audio and Eastman tested Tritan’s acoustic qualities and found they were superior to other polymers or materials used in audio product applications.

The collaboration between the specialty materials company and Periodic Audio began three years ago when their teams began studying Tritan for audio applications. The results inspired a ground-up redesign of Periodic Audio’s award-win-



ning IEMs.

“In our materials science-based opinion, Tritan is the ideal material for acoustic products,” Wiggins said. “We are thrilled that Periodic Audio customers will be the first to experience the benefits of this advanced material.”

Eastman Principal Applications Development Scientist John Quigley worked closely with the Periodic Audio team throughout the process.

“The studies demonstrated that not only can you hear a difference in enclosures made with Tritan, but you can measure the difference,” Quigley said. “We’re excited to continue working on this and help other companies find the right ma-

terial for their audio applications.”

In addition to its audio qualities, Wiggins said Tritan provides superior damage protection, a key element for IEMs. “In addition to its measured audible enhancements, we identified several other key reasons why Tritan was the best choice, including superior manufacturability and durability,” Wiggins said. “Tritan is incredibly easy to work with. It’s easy to mold by injection, and its naturally clear formulation allowed us to mix the exact shade of black we desired. Its high-flow nature also eliminates such visible defects as knit lines and flow marks. The raw-material price is also very competitive with our previous composite material, meaning the cost of manufacturing was not affected

by the move.”

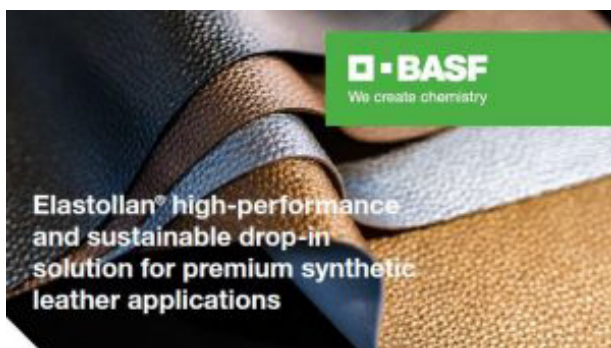
“The material is far more forgiving of impact, making it much less likely to crack,” Wiggins added. “But most importantly, Tritan makes measurable and audible improvements to the sound. Its higher internal loss results in decreases in both transient and harmonic distortion.”

Source : Eastman

BASF introduces Elastollan® High-Performance and Sustainable Drop-In Solution for Premium Synthetic Leather Applications

- **Drop-in solution enables efficient production on the same calendaring production line and is made without the use of solvents**
- **Contributes to sustainable development as the solution can be chemically and mechanically recycled**
- **Advanced solution possesses excellent resistance to abrasion and hydrolysis**
- **Appealing for premium application owing to its luxurious look and feel**

er applications in fashion consumables, furniture, and automotive segments. As both calendaring and extrusion production lines can be used to process Elastollan TPU, PVC manufacturers can utilize its existing calendaring line and ‘drop-in’ Elastollan TPU seamlessly and cost-effectively.



contributes to sustainable development as it can be recycled mechanically and chemically.

“The drop-in solution enables flexible and efficient processing. PVC manufacturers can now diversify their portfolio to offer both PVC and high-performance TPU. This contributes to sustainable development, as more TPU can be used by PVC manufacturers for the production of synthetic leather,” said Marilyn Lye, Vice President, Business Management Industrial,

Singapore – December 6, 2021 – With Elastollan® Thermoplastic Polyurethane (TPU), BASF now offers a high-performance and sustainable drop-in solution for premium synthetic leather

Additionally, with Elastollan TPU, synthetic leather can be produced without the use of solvents, meeting stringent VOC standards. Elastollan TPU further



EVENTS AND CONFERENCES

CPHI CHINA - VIRTUAL CPHI

Date: December 16-18, 2021

City: SNIEC, Shanghai, China

Country: China

Website: <https://www.cphi.com/china/en/virtual-expo-connect.html>

Description: CPhI China was initiated as the showcase of APIs and has gradually developed into a large-scale comprehensive service platform connecting the entire pharmaceutical industry chain in Asian-Pacific region. For two decades, CPhI China has borne witness of the ever-reforming pharma industry, trailed every pace of growth and progress of the pharma manufacturers. CPhI China will continue the journey on internationalization and innovation, to embrace the golden age of the Chinese pharma industry.

PAINT INDIA

Date: March 10-12, 2022

City: Jio World Convention Centre, Mumbai

Country: India

Website: <http://www.paintindia.in/>

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

PAINT ISTANBUL TURKCOAT

Date: March 17-19, 2022

City: Turkey

Country: Istanbul

Website: <https://ilikevents.com/event/10677-paintistanbul-&-turkcoat>

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



EVENTS AND CONFERENCES

AMERICAN COATINGS SHOW

Date: April 05-07, 2022

City: Indiana Convention Center Indianapolis, United States

Country: United States

Website: <https://www.tradeindia.com/tradeshows/96059/american-coatings-show-conference-2022.html>

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

CPHI JAPAN

Date: April 20-21, 2022

City: Tokyo Big Sight, Koto

Country: Japan

Website: <https://10times.com/icse-japan>

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

PAINT EXPO GERMANY

Date: April 26-28, 2022

City: Karlsruher Messe und Kongress GmbH, Karlsruhe,

Country: Germany

Website: <https://10times.com/paintexpo>

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

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



Performance Materials Asia Pacific.

Elastollan TPU is also appealing for premium applications owing to its excellent soft-touch haptics, which help to enhance the look and feel of end products.

Moreover, it is easy to dye and emboss, allowing a variety of colors and designs. It is also a material of choice as it possesses outstanding properties, including high abrasion resistance, hydrolysis resistance, and cold flexibility. The global synthetic leather market size is expected

to grow at a compound annual growth rate (CAGR) of 7.8% from 2021 to 2028. The increased use of synthetic leathers across various segments, such as furnishing, automotive, clothing, bags, and others, will drive the market growth.

Source : BASF

Sabic Pioneers with New LNP™ ELCRIN™ IQ Compounds Using Pre-Consumer Recycled Glass Fiber to Accelerate Carbon Neutrality

SABIC, a global leader in the chemical industry, launched today new LNP™ ELCRIN™ WF006XXPiQ compound and LNP™ ELCRIN™ WF0061X-PiQ compound, the first two grades in a new portfolio of materials that incorporate pre-consumer recycled glass fiber diverted from the waste stream of industrial processes. These polybutylene terephthalate (PBT) compounds, each reinforced with 30 percent pre-consumer recycled short glass fiber, offer mechanical properties and color equivalency of ELCRIN iQ grades that use virgin glass fiber reinforcement. This new technology further decreases the carbon footprint of ELCRIN iQ materials, which already support the circular economy and help reduce plastic waste by using upcycled polyethylene terephthalate (PET) from discarded water bottles.

“We are continually pursuing new avenues to accelerate carbon neutrality for our materials across our portfolio” said Luc Govaerts, director, Formulation & Application Development for SABIC’s Specialties Business. “This effort includes evaluating each component of our thermoplastic compounds and collaborating with others in the value chain to identify potential replacements that can drive circularity. Central to this process is the prioritization of customer needs, so that greater sustainability goes hand-in-hand with outstanding perfor-

mance, consistent quality and processing efficiency.”

LOWERING ENVIRONMENTAL IMPACTS

SABIC is one of the first material suppliers to adopt pre-consumer recycled glass fiber for thermoplastic compounds. The short glass fiber used in these new ELCRIN iQ materials contains 100 percent recycled content according to Underwriters Laboratories’ Recycled Content Validation procedure (UL 2809), following the mass balance approach. Compared to virgin PBT reinforced with virgin glass fiber, LNP ELCRIN WF006XXPiQ compound contains 67 percent recycled content and lowers carbon footprint by 29 percent, while LNP ELCRIN WF0061X-PiQ compound contains 55 percent recycled content and reduces carbon footprint by 24 percent.

In addition to their improved sustainability profile, these materials deliver good structural performance (stiffness and strength), chemical resistance and colorability for applications in the consumer electronics, automotive and electrical & electronics industries. Furthermore, the new LNP ELCRIN WF0061X-PiQ compound offers non-halo-

genated flame retardance. As a drop-in replacement for incumbent virgin PBT and ELCRIN iQ grades, the two new compounds enable customers to increase application sustainability without the need for design or tooling changes.

“These two next-generation materials create new possibilities for customers to advance their carbon neutrality strategy by further increasing the amount of recycled content they use and lowering the carbon emissions of their applications, all while maintaining equivalent properties and processability,” said Darpan Parikh, Global Product Management Leader, LNP Portfolio, SABIC’s Specialties business. “For SABIC, the move to adopt pre-consumer recycled glass fiber reinforces our commitment to optimize the use of resources and contribute to our customers net zero carbon goals.”

SABIC plans to extend the use of pre-consumer recycled glass fiber to reinforced compounds based on other resins from their specialty offerings. These new products are available for sampling globally and formulations can be tailored to customers’ specific needs.

Source : Sabic



Evonik Enhances its Capabilities to Develop Specialty PU Additives with New EssenInnovation Center

- Investment further strengthens Evonik's position as a leading solutions provider for the PU industry
- New facility enables a strategic focus on high-growth and sustainable market applications like the production of sustainable artificial leather and e-mobility solutions
- This laboratory and testing facility will increase product development and bring new PU solutions to market faster



Essen, Germany. Evonik has further expanded its leadership position in the polyurethane (PU) industry with a new state-of-the-art laboratory and innovation facility at its Essen Goldschmidt site in Germany, which was inaugurated at the end of October.

The new 400-square-meter laboratory will enhance the Group's development capabilities for high-performance specialty PU additives and processing aids for a variety of PU applications. The focus is on high-growth application areas such as the production of sustainable artificial leather, low emission catalysts for high-quality coatings and adhesives, performance additives for making PU shoe soles more durable and comfortable, and emission optimized release agents for molded foams and elastomers.

"Our new laboratory and innovation center sends a

strong signal to the market and reinforces our strategy to not only be the leading,

but also the most innovative, solutions provider to the PU industry," said Ralph Marquardt, Head of Evonik's PU additives business. "This latest investment enables us to develop innovative and more sustainable additive solutions for our customers to help them meet changing market demands and increasing environmental regulations."

Evonik's specialty additives and processing aids make, for example, the production of artificial leather more sustainable by replacing organic solvents with water in the production process. Another application area that Evonik's PU experts are already working on in the new laboratory and innovation facility are environmentally friendly catalysts for

polyurethane foams and materials with rubber-like properties (elastomers).

They are used in the production of high-performance PU materials that protect electronic components in cell phones from vibrations or prevent the mechanical failure of electric car battery components during the charging and discharging process. Another example are additives and processing aids that extend the lifespan of PU shoe soles by improving the durability, appearance and wearing comfort.

"The new facility's state-of-the-art equipment enables our team to work efficiently and safely on developing new additive solutions and bring them to market much quicker," said Matt Aldag, Head of Evonik's Advanced PU business.

Source : Evonik



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