

DYES & CHEMICAL MARKET

JANUARY 2022

VOLUME IX | ISSUE # 6

MUMBAI | PAGES 68



A MONTHLY MAGAZINE DEVOTED TO

DYES CHEMICALS PHARMACEUTICALS API TEXTILE AUXILIARIES PAINTS SOLVENTS COSMETICS

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Drum Openers for working with flammable liquids

QTi® Non-Sparking Bung Wrenches and Drum Openers are high-quality, high-strength tools made from Copper Titanium alloy. They are used for opening and closing caps and seals of Drums/Barrels containing flammable liquids. There is no need to have different tools for different plug sizes.



Drum Openers & Cutters

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QTi® Drum Opener

Drum Opener is used to Open/Close plugs on metal barrels (drums) of 210 Liters/55 Gallons. This tool has several faces and is designed for use on plugs of size 2 inches (50 mm) and ¾ inches (19 mm) plugs—all with the same tool.



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QTi® Drum Cutter

Copper Titanium Non-Sparking Drum Cutters is used to cut the 205 liters/55 gallons drum containing flammable liquids & used to cut-open plastic seals and tags of barrels containing flammable chemicals.



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Event information may be out of date due to the coronavirus (COVID-19).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



Cphi - Informa Group

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

MECD (Coating Show)

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

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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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- Brassinolids** ❑
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Contact

Bharat Mehta

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Polysol	Bulk	

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203, Dariastan Bldg, 33, Dariasthan Street,

Mumbai - 400003,

Tel: 98200-92170

Product Name	Qty	Grade
Non Ferrous Metals		Manufacturer

Details :

Santosh Thakre

S S Fine Chem Laboratories

Email : ssfinechemlaboratories@gmail.com

Mobile : 9867774142

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

Details :

Lal P Chacko

Email: lalpchacko@hotmail.com

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Location: Calicut, Kerela

Product Name	Qty	Grade
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Industrial Salt	10800 Kg	Chemical
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Product Name	Qty	Grade
Borax	1 Tonnes	Industrial
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Product Name	Qty	Grade
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Product Name	Qty	Grade
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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 Indamed Pharmaceuticals Pvt. Ltd. Email : indamedpharma@yahoo.co.in Mobile : +91-968-787-7922 (Preferred)		



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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 .
PRAVIN IYER
Baroda, Gujarat, India Mobile: 9898507767
Email : pravin.iyer@atpigments.com

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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 metaldehyde 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 NAV DURGA 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

Published by

Parimal B. Parikh at

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

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Leads Platform Subscription:

www.chemicalmarket.net/leadsplatform

Advertise with us:

www.chemicalmarket.net/advertise/online

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Chemical Industry Outlook 2022

The government has started various initiatives such as mandating BIS-like certification for imported chemicals to prevent dumping of cheap and substandard chemicals into the country. **The Indian government recognises chemical industry as a key growth element and forecast to increase share of the chemical sector to ~25% of the GDP in the manufacturing sector by 2025.**

- Under the Union Budget 2021-22, the government allocated Rs. 233.14 crore (US\$ 32.2 million) to the Department of Chemicals and Petrochemicals.

- The Government of India is considering launching a production linked incentive (PLI) scheme in the chemical sector to boost domestic manufacturing and exports.

- A 2034 vision for the chemicals and petrochemicals sector has been set up by the government to explore opportunities to improve domestic production, reduce imports and attract investments in the sector. The government plans to implement production-link incentive system with 10-20% output incentives for the agrochemical sector; to create an end-to-end manufacturing ecosystem through the growth of clusters.

- In October 2020, the government urged players in the agrochemicals industry to come out with new molecules of global standards for the farmers' benefit, while CropLife India, the industry body, pitched for stable policies and regulatory regimes to boost growth in the sector.

- 100% FDI is allowed under the automatic route in the chemicals sector with few exceptions that include hazardous chemicals. Total FDI inflow in the chemicals (other than fertilisers) sector reached US\$ 18.69 billion between April 2000 and June 2021.

- The government has proposed several incentives for setting up a sourcing or manufacturing platform within an Indian SEZ: - Effective April 1, 2020, 100% Income Tax exemption on export income for SEZ units for the first five years, 50% for the next five years thereafter and 50% of the ploughed back export profit for next five years. - Single window clearance for central and state-level approvals. - Duty free import/domestic procurement of goods for development, operation and maintenance of SEZ units.

- In December 2020, the PCPIR policy is being completely redesigned. Under the new PCPIR Policy 2020-35, a combined investment of Rs. 10 lakh crore (US\$ 142 billion) is targeted by 2025, Rs. 15 lakh crore (US\$ 213 billion) by 2030 and Rs. 20 lakh crore (US\$ 284 billion) by 2035 in all PCPIRs across the country. The four PCPIRs are expected to generate employment for ~33.83 lakh people. ~3.50 lakh persons have been employed in direct and indirect activities related to PCPIRs by the end of 2020.

Globally, India is the fourth-largest producer of agrochemicals

after the United States, Japan and China. India accounts for ~16% of the world production of dyestuffs and dye intermediates. Indian colorants industry has emerged as a key player with a global market share of ~15%. The country's chemicals industry is de-licensed, except for few hazardous chemicals. India holds a strong position in exports and imports of chemicals at a global level and ranks 14th in exports and 8th in imports at global level (excluding pharmaceuticals).

The US chemical industry is poised for a strong recovery in 2022 as economies reopen and restrictions are lifted, which should drive up plant utilization rates that were hit hard by the pandemic. US chemical volumes are expected to grow around 1.5% in 2021 and 3.0% in 2022, while shipments will likely increase by 8.0% in 2021 and 2022, following a 13.5% decline in 2020. US chemical exports are also expected to grow significantly as major economies reopen and import demand in partner economies improves.

How big is the global chemical industry?

The production of chemicals involves converting raw materials such as fossil fuels, water, minerals, metals, and so on, into tens of thousands of different products that are central to modern life as we know it. The total revenue of the global chemical industry is estimated to be four trillion U.S. dollars.

Market Growth Sectors:

Construction: The strength in the construction industry has been a key growth driver for chemical sales. The work from home culture has expanded the number of home sales.

Automotive: The rebound in the automotive industry is another growth driver, as auto sales are expected to cross 17 million in 2021 and 2022 despite the production constraints caused by shortages of key input materials such as semiconductor chips. Growth in the automotive sector should drive the demand for base chemicals and performance plastics in 2022.

Health and safety: As the threat from coronavirus still looms based on variants, demand for personal protective equipment such as masks, gowns, and gloves should remain high, driving ethylene and propylene sales. The industry could still pivot some of its production capacity toward the products and materials needed to combat the pandemic, such as isopropyl alcohol and ethanol. Industry players are likely to ensure a strong supply of chemicals required to produce antibacterial wipes, disinfectants, and surfactants for soaps and hand sanitizers.

-Rajiv Parikh



The Renewable Chemical Market in North America 2021-2027 | Presents Detailed Market Segments with Regional Distribution of Forecasted Revenues

DUBLIN, Dec. 15, 2021 /PRNews-wire/ -- The "North American Renewable Chemical Market 2021-2027" report has been added to ResearchAndMarkets.com's offering. The North American renewable chemical market is anticipated to grow considerably at a CAGR of 8.4% during the forecast period (2021-2027).

The growing awareness related to the benefits of renewable chemical and rising focus of the US government towards exploring the potential of green chemical in reducing carbon footprints are key factors driving the growth of the North American renewable chemical. Apart from this, several ongoing researches

to determine the add-on value of green chemical in bolstering the US economy are further anticipated to promote the growth of the regional market.

The manufacturing cost of green chemicals is quite high as compared to petro-based chemical; therefore the unwillingness of some manufactures to adopt these chemical manufacturing units is anticipated to hinder the growth of the renewable market across the North America.

Some of the key players operating in the North American renewable chemical market include Solvay SA, Amyris Inc., BASF SE, Bioamber Inc., Braskem

SA, Cargill Inc., Evonik Industries AG, and so on. These players are focusing on development of new & innovative green chemicals suitable for multiple applications. Moreover, these players are also adopting different growth strategies such as mergers & acquisition, strategic partnership, collaboration, and production facility expansion to expand their market share in the renewable chemical market.

Read the full report : <https://www.researchandmarkets.com/r/z0vcsj>

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

Worldwide Mosquito Repellent Industry to 2026 - Featuring PIC, Quantum Health and Van Aroma Among Others

DUBLIN, Dec. 15, 2021 /PRNews-wire/ -- The "Mosquito Repellent Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2021-2026" report has been added to ResearchAndMarkets.com's offering. The global mosquito repellent market is expected to exhibit moderate growth during 2021-2026. Mosquito repellent is a type of chemical substance that is applied to the skin, clothes, or other surfaces to avoid mosquito bites. These are generally available in the form of aerosols, creams, sticks, repellent fabrics, pump sprays, and liquids. Mosquito repellent products help in preventing

mosquito bites, thereby avoiding skin eruptions and rashes.

Of lately, there has been a surge in mosquito-borne diseases, such as dengue, malaria, chikungunya, etc., this along with increasing consumer health awareness have propelled the demand for mosquito repellents globally. Furthermore, rapid globalization coupled with the improving living standards of consumers particularly in emerging economies, such as India, China, Indonesia, Brazil, Mexico, Vietnam, etc. is also supporting the market growth. Additionally, rising consumer inclination

towards natural and organic products has propelled various manufacturers to introduce mosquito repellents based on natural ingredients such as thyme oil, neem oil, citronella oil and lemon eucalyptus oil. Looking forward, the publisher expects the global mosquito repellent market to grow at a CAGR of around 5% during the forecast period (2021-2026).

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

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Home Care Contract Manufacturing Industry Procurement Intelligence Report: COVID-19 Induced Demand for Homecare & Sanitation Products To Witness Further Growth | Grand View Research, Inc.

SAN FRANCISCO, Dec. 15, 2021 / SPRNewswire/ -- Home care contract manufacturing market has grown significantly since 2017 and is expected to grow at a CAGR of 11.42% from 2020-2025. Some of the homecare product manufacturers have expanded their business geographically during the lockdown period.

Synergy Home Care announced that it has sold in 35% more territories in 2020 as compared to 2019. Similarly, Best Life Brands awarded 71 new franchise agreements across its brands last year. Other companies like HHCN expect the sales

to be boosted even more when the pandemic comes to an end.

A U.K.- based contract manufacturer, McBride, has utilized this opportunity to expand its portfolio. In retail manufacturing alone, McBride has 6000 references manufactured and 1.5 million pallets delivered to over 250 customers. As a contract manufacturer, they have boosted their customer base. As of 2020, they have manufactured over 30 home and laundry care categories, which are active in the market for 150 brands.

The suppliers offering contract manu-

facturing for homecare products also cater to personal products, which is witnessing a strong growth due to changes in shopping patterns and formulations. The major selection criteria are Certifications and Ingredients used by the contract manufacturer; brands prefer partnering with manufacturers who use organic ingredients in their production process.

Read the full report : <https://www.grandviewresearch.com>

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

Axalta extends automotive color leadership with the 69th Global Automotive Color Popularity Report

GLEN MILLS, Pa., Dec. 21, 2021 / SPRNewswire/ -- Axalta (NYSE: AXTA), a leading global supplier of liquid and powder coatings, released its 69th annual Global Automotive Color Popularity Report revealing most cars on today's roads are white (35%), black (19%) and gray (19%). Gray increased by four percentage points worldwide. The results of Axalta's Global Automotive Color Popularity Report are tabulated on Axalta's analysis of 2021 automotive build data in major markets and are an indicator of current market trends. White vehicles have been found in the most abundance on the roads since 2011 worldwide, with Asia leading in white vehicle builds. Overall, the popularity of white hit a long-term high of 39% in 2017 and has seen declines in several regions each year since. This year, white

declined three percentage points, largely due to a decrease seen in all regions, especially China, with a 7% decrease.

For the third year in a row, Europe is the only major region to report gray as the most popular color at 27%. Silver is most popular in South America as it ranks second place with 23% usage. Black is most found in Europe at 22% and continues to lead in the luxury segment. North America has the most amount of new red cars on the road at 8%. This year proved to be challenging in the automotive market due to the impact of the semiconductor chip shortages affecting automotive builds. "Consumer demand is expected to showcase trends in upcoming automotive color popularity," said Nancy Lockhart, global product manager of color at Axalta.

Axalta began reporting on the industry's coatings color in 1953 and continues to report on color trends and color preferences. In addition, color forecasts are reported in Axalta's global annual color trend forecast. The future landscape of automotive color continues to change as vehicle and consumer preferences evolve. Axalta designs conceptual colors that are aesthetically and functionally beneficial to the vehicle surfaces. For more information, visit the company's annual Global Automotive Color Popularity Report, Color Trend Report and Consumer Preferences Survey. Prior years' reports can be found here.

Read the full report : jessica.iben@axalta.com

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



Galaxy Surfactants Wins the ESG Summit and Awards 2021

Bags top accolade under “Best ESG Initiative to Improve to Access to Clean Water award category”

Mumbai, 15th December 2021: India's leading manufacturer of surfactants and specialty care ingredients, Galaxy Surfactants has been awarded the ESG Summit & Awards 2021 under the category of Best ESG Initiative to Improve to Access to Clean Water. The Summit was organized by Transformation Forums with the purpose to help ESG stakeholders develop their ESG vision, strategy, and reporting.

Galaxy Surfactants was honoured with this award for its continuous contribution in improving Access to Clean Water. Recently, as a part of its initiative ‘Samajeek Uthaan’ developed with the objective of serving the community, Galaxy Surfactants de-silted percolation tanks in eight villages of Nanded District in Maharashtra. Through this project, it aims to help the villages get year-long access to clean water.

On receiving the award,

Mr K Natarajan, COO of Galaxy Surfactants said, “With a focus on valuing every drop of water, we have implemented water stewardship across all our manufacturing units and functions. With stringent targets for water reduction, we have ensured that our manufacturing units in India are Zero Liquid Discharge Unit since May 2017. Further, Galaxy has cumulatively harvested 250 million litres of water through multiple projects. Our ambition is not just to become water positive, and water secure, but also to bring in a greater positive

change in the environment for the larger good of society.”

The summit served as a game-changing meet for all ESG Stakeholders, CFOs, Sustainability Leaders, CMOs, CEOs, General Counsels and Chief Auditors to develop a shared vision, strategy, and approach for their respective ESG practices. Amidst 200 + participants, Galaxy Surfactants, being one of the leading specialty chemicals firms in the country that enables sustainable, organic and environment-friendly chemical formulations and blends, received this honour.

Conceptualised and curated by Transformation Forums, the ESG Summit and Awards, 2021 was graced by the presence of 25 + Speakers from the Industry. Ms Pragnya Ram, Group Executive President, Group Head, Aditya Birla Group and Mr Nagesh Pingre, Independent Director, Automobile Corporation of Goa Limited were the Jury Members for the Award.

Source : Chemical Market

InventHelp Inventor Develops an Automatic Chemical Mixture System for Restaurants (LAX-1300)

PITTSBURGH, Dec. 15, 2021 / PRNewswire/ -- An inventor in Los Angeles, California who was looking to eliminate manual wash-rinse-sanitize mixing for restaurants by employees who may be forgetful, developed an automatic dispensing and control system for chemical mixture.

The patent-pending invention would take the guesswork out of chemical mixtures typically needed to satisfy compliance with sanitation regulations for employee and customer safety.

The inventor described the

invention as "an automated chemical mixture system with water for 3 basin sinks to satisfy wash-rinse-sanitize chemical mixture re-

(Continue on Page 40)



SHIN-ETSU CHEMICAL DEVELOPS INNOVATIVE NEW MATERIALS FOR WEARABLE DEVICES

Shin-Etsu Chemical Co., Ltd. (Head Office: Tokyo; President: Yasuhiko Saitoh) has developed innovative electrophysiological dry electrodes and high-elasticity wiring materials, which will be used to contribute to the achievement of superior performance characteristics for next-generation wearable devices. These wearable devices enable remote measurement and transmission of a person's electrical bio signals, including such vital signs as heart rate and electrocardiogram (ECG) waveform, while a person is wearing the device on their body. They serve to help people improve their health and fitness conditions and will help bring about earlier diagnosis and management of chronic diseases.

By using these newly developed Shin-Etsu materials, a wearable device's function, fit and ease-of-use is dramatically improved. This makes it possible to offer a higher quality of life to users who wear the devices.

As the awareness of the need for better health management and the necessity for home medical treatments are rising, the opportunities to measure a person's electrical bio signals by means of these advanced wearable devices are increasing. Particularly, in the case of the use of smart "health patches," because people wear them directly on their skin for more than 24 hours while the device is obtaining bio signal data, a degree of stress is created because it can become uncomfortable for the wearer. Moreover, when the measurement period takes a long time, perhaps extending to

one week, it is possible that the process of obtaining of the bio signal data could become unstable. In order to resolve these issues, Shin-Etsu Chemical has newly developed the following innovative materials:

1) Electrophysiological Dry Electrodes

We developed the materials for electrophysiological dry electrodes to get bio signal data for a wearable device.

The electrode based on silicone is superior in biocompatibility, and its characteristics are as follows:

(A) Better Wearing Feel:

Shin-Etsu's silicone material adapts itself to the skin and makes it very unlikely for the skin to become irritated, and at the same time, by making the thickness about as thin as a human hair, it becomes soft and flexible to the extent that you do not feel that you are wearing



the device.

(B) Signal acquiring performance:

By optimizing the silicone's adhesiveness, the electrophysiological dry electrodes will allow the device to track and follow the movement of the wearer and realize the acquiring of stable electrocardiogram signals.

(C) Water repellent property:

Because of the silicone's original water repellent property, while wearing the device, taking a bath is made possible, which was not possible when using an existing gel-type electrode.

The health patch developed by Holst Centre Co. (in the Netherlands) that uses the electrophysiological dry electrodes possesses these characteristics that make possible the acquiring of stable bio signal data, even when a person is continuously wearing the device extending for a week.

2) High-Stretchable Wiring Material

This is a material for wiring to transmit the acquired bio signal data to the signal processing device. For the wiring of the health patch, stretchability that follows the movement of the wearer is required. Even after repeated stretchability testing, it maintained conductivity, and this is the most appropriate health patch material that has the needed strength to endure long hours of wearing.

The health patch using these Shin-Etsu materials was introduced by Holst Centre Co., at the MEDICA Connected Healthcare Forum), the innovation and networking forum for the healthcare industry which was held from November 14-17, in Düsseldorf, Germany.

By offering materials that contribute to the advancement of wearable devices, Shin-Etsu Chemical is working together with its customers to reduce the anxiety level of people who are dealing with health concerns and to make medical care more efficient, and we will endeavor to contribute to the realization of a society where people can enjoy healthier and longer lives.

Source : Shin-Etsu Chemical Co



WOMEN IN INDIA ARE THE FIRST IN THE WORLD TO RECEIVE NEW HEAT- STABLE CARBETOCIN FORMULATION TO PREVENT EXCESSIVE BLEEDING AFTER CHILDBIRTH

- Excessive bleeding after birth (postpartum haemorrhage or PPH) is preventable yet is a leading direct cause of maternal mortality worldwide, causing around 70,000 deaths each year¹
- New formulation of carbetocin is heat-stable – meaning it doesn't need to be refrigerated, often a challenge in low- and lower-middle income countries
- Heat-stable carbetocin is now being used in clinical practice for the first time in healthcare settings in India – more countries to follow

Saint-Prex, Switzerland – 26 July 2021 – After nearly a decade of public-private collaboration, Ferring Pharmaceuticals today announces the first use of heat-stable carbetocin (Carbetocin Ferring) for the prevention of excessive bleeding after birth, known as postpartum haemorrhage (PPH). Heat-stable carbetocin is now available for use in healthcare facilities across India, in the prevention of excessive bleeding following vaginal and caesarean section births.

This major maternal health milestone has been eagerly awaited since the publication of the CHAMPION (Carbetocin H_AeMorrhage PreveNtION) trial results in 2018² – a study led by the World Health Organization (WHO) as part of

a collaboration with MSD for Mothers* and Ferring Pharmaceuticals. These data contributed to heat-stable carbetocin being added to the WHO Model List of Essential Medicines (EML),³ as well as an update in the WHO's recommendations on uterotonics for the prevention of excessive bleeding after birth.⁴

“Today is an unforgettable milestone for maternal health in India. Every 5 minutes a woman dies during pregnancy or childbirth across India and excessive bleeding after childbirth is responsible for 30% of these deaths,” said Dr Shivaprasad Goudar, Professor of Physiology, J N Medical College & Director-Research, KLE Academy of Higher Education and Research, Belagavi, India and Principal Investigator (India) for the CHAMPION clinical trial. “It is truly traumatic to see a mother die due to a preventable cause, and the impact this has on the family goes beyond the initial loss. Because this new formulation is not dependent on being stored or transported in refrigerators, it is a real step forward to ensuring women, especially in remote areas, can access high quality maternity care. The last few months have been an incredibly challenging time for India as we tackle the COVID-19 pandemic but it remains vital to prioritise maternal health to ensure the safety of expectant mothers at risk of excessive bleeding after childbirth.”

Until now, the first-choice drug for preventing excessive bleeding after birth required storage and transportation at 2–8°C, typically in a refrigerator to maintain its effectiveness. This is often difficult in low- and lower-middle income countries, many of which have hot climates and unpredictable power sources. As a result, many women are deprived of access to a lifesaving drug or the drug being less predictable and potentially being less effective because of exposure to heat. Carbetocin Ferring is a heat-stable formulation with predictable quality offering an additional option for healthcare professionals in preventing excessive bleeding after

childbirth.

“At Ferring, we believe that every woman giving birth should have access to quality care and medicines to help them build families, regardless of where they live. Reaching the moment where the first woman receives heat-stable carbetocin is a landmark achievement for Ferring, which would not have been possible without collaboration, and we would like to thank all those involved, especially the patients in the clinical trial,” said Per Falk, President of Ferring Pharmaceuticals. “While we are hugely proud of achieving this milestone, our work will not stop here. Ferring is committed to supporting access to heat-stable carbetocin across the world in other low- and lower-middle income countries, so that we are closer to the vision that no woman dies giving life.”

Carbetocin Ferring was first approved in 2020, under the Swissmedic procedure for scientific advice and Marketing Authorisation for Global Health Products (MAGHP), aimed to make essential medicines available faster for patients in low- and middle-income countries.^{5,6} Since then, besides India, Carbetocin Ferring has been approved in South Sudan, Sierra Leone – the countries with the first and third highest rates of maternal mortality in the world respectively, and Tanzania.⁷ Ferring and key partners are working to secure additional national registrations, to bring heat-stable carbetocin to the public sector of all low- and lower-middle income countries, where the burden of maternal mortality and cases of PPH are greatest.

Alongside its listing in the WHO Essential Medicines List, heat-stable carbetocin has been included in the UNFPA Product Catalogue for “quality-assured commodities related to reproductive health, census and humanitarian response”.^{8,9}

Source : Ferring Pharmaceuticals



**INHANCE
TECHNOLOGIES
ACQUIRES ADVANCE
RESEARCH
CHEMICALS, CREATING
A GLOBAL LEADER
IN SUSTAINABLE
SPECIALTY CHEMICALS
AND MATERIALS
TECHNOLOGIES**

HOUSTON, Dec. 14, 2021 /PRNews-wire/ -- Inhance Technologies, LLC ("Inhance Technologies" or "Company"), a leading international provider of sustainable polymer material science solutions and portfolio company of Aurora Capital Partners ("Aurora"), today announced it has completed the acquisition of Advance Research Chemicals, Inc. ("ARC"), a world-class producer of specialty chemicals and materials used in a wide range of high-value applications. Terms of the transaction were not disclosed.

With production facilities in the United States and Mexico, ARC supports many of the world's largest and most innovative companies with its customized solutions, including a large and growing library of high-purity products underpinned by proprietary processes developed over more than 30 years. ARC's unique ability to offer R&D, pilot, and commercial scale production allows the company to provide turnkey, tailored solutions for each of its customers. Serving mission-critical needs across a wide array of industries, including medical batteries, semiconductors, 3D printing, and pharmaceuticals, ARC has established itself as a reliable and innovative

resource in the field of specialty chemicals and materials.

"ARC is a pioneer in their markets, and their highly complementary suite of solutions will add to our existing offerings as well as expand our geographic and industry reach," said Andrew Thompson, President and Chief Executive Officer of Inhance Technologies. "Together, we will be a global leader in sustainable specialty chemicals and materials technologies with unmatched R&D capabilities, technical knowhow, and geographic breadth. I look forward to working with the ARC team to continue innovating and using our combined technologies as a means to achieve a greener, more sustainable future."

"This transaction combines two true industry leaders, uniquely positioning the combined company to capitalize on its existing technologies and deliver a broader suite of innovative solutions to its customers around the globe," said Dr. Dayal Meshri, Founder and former Executive Chairman of ARC. "Inhance Technologies has established a well-deserved reputation as a trusted provider of sustainable material science solutions and is the right partner for ARC to accelerate adoption of its technologies to better serve its many market-leading customers."

"When we partnered with Inhance Technologies, we saw a unique opportunity to expand the application set for their proprietary technologies and develop new solutions for a broader range of industries. This transaction is a transformational step in realizing that

opportunity," said Randy Moser, Partner at Aurora. "Leveraging the world-class capabilities of each company will spur even more technological advancements, durably accelerating Inhance Technologies' growth."

This is the second add-on acquisition that Inhance Technologies has made since the Company partnered with Aurora in 2018. During that time, Inhance Technologies has made significant investments to support its growth, including the opening of a new headquarters and Global Science and Technology Center in Houston, significantly expanding its facility in St. Louis, and developing multiple new, innovative technologies.

Source : PRNewswire

**DOW TO SHOWCASE
NEW SILICONE
TECHNOLOGIES
FOR ADVANCED
SEMICONDUCTOR
PACKAGING AT
SEMICON TAIWAN 2021**

MIDLAND, Mich. – Dec. 20, 2021 – Dow (NYSE: Dow) will preview its latest silicone technologies for advanced semiconductor packaging at SEMICON® Taiwan 2021 in Booth #I2616. These next-generation silicone-organic hybrid adhesives, silicone hotmelt solutions and silicone die-attach films



(DAF) deliver improved performance, durability, uniformity and processability vs. traditional organics. Dow's high-performance technologies are engineered to address top trends in advanced semiconductor packaging, including ever-thinner, smaller and more-complex designs, by mitigating stress from mismatched coefficients of thermal expansion (CTEs) that can cause warpage. They also provide greater durability and reliability for applications exposed to harsh environmental conditions in industries such as aerospace and automotive electronics.

In addition to displaying posters, example applications and demos at its booth, Dow will participate in the TechXPOT conference at the show. Roderick Chen, technical service and development specialist for Dow, will present on "Novel Silicone Hotmelt Solutions for Microelectronics" at 1:40 p.m. China Standard Time (CST) on Tuesday, Dec. 28.

"While advanced packaging designs are essential to meet increasing demand for higher performance and expanded functionality in electronics, they can also place greater thermal, electrical and mechanical stresses on the chip," said Jayden Cho, Dow's global segment leader for Displays & Microelectronics. "To address this situation and help customers improve quality, consistency and processability, Dow has developed an array of novel silicone

technologies specifically designed for side-by-side and stacked chip configurations and MEMS devices. Our breakthrough silicone products surpass organics by optimizing thermal stability, stress relaxation and durability in many different types of packaging."

Differentiated Silicone Technologies

Dow's new silicone technologies provide fresh solutions to enable complex packaging designs, such as multi-stacked packages and coreless substrates. They also have important advantages over organics and can help customers resolve



issues such as warpage, delamination, bleed-out and premature failure that can occur with epoxies and other incumbent materials.

The new DAF solutions, which are cured silicone films, offer excellent uniformity for precise thickness and eliminate fillets and bleed-out that commonly occur with epoxy adhesives. Low modulus ensures good sensing accuracy, especially for environmental sensors.

Dow's hybrid solutions combine silicone and organics in a unique formulation. These adhesives deliver enhanced mechanical properties that silicone alone can't achieve, such as higher modulus and strong adhesion to various surfaces.

Potential applications include flip chip packaging, which can experience delamination after harsh reliability testing when epoxy mold underfill is used. The hybrid solutions also feature excellent optical properties, enabling them to be used in optical devices.

The company's silicone hotmelt technologies, offered in three formats (film, cartridge and tablet), provide excellent adhesion to a variety of substrates, as well as stress relief for warpage mitigation.

- The hotmelt film can be vacuum laminated for chip encapsulation or bonding over a large area, which is a simpler process than molding. It is especially valuable for substrates that warp easily, such as flexible, coreless packaging.
- The silicone hotmelt cartridge solution for compression molding provides better workability and thermal stability compared to commercial liquid silicone hotmelts for chip encapsulation and soft molding.
- The hotmelt tablet technology is designed for transfer molding, where it provides properties similar to those of conventional epoxy molding compound (EMC), plus exceptional thermal stability to at least 250oC.

Source : Dow



CLARIANT REVEALS ITS 2022 COLOR OF THE YEAR AND NEW DECORATIVE COLOR TREND PALETTE GOLDEN

- Launch of new Decorative Coatings Trends 2022
- “golden” color palette features 40 new shades to accompany consumers through 2022
- Perfect for application trends - color drenching, blocking and cocooning

MUTTENZ, December 15, 2021 - Looking forward to a year of love, joy, mindfulness and making memories. Clariant pays an advance tribute to the year to come in its new Decorative Coatings Trends for 2022 – “golden”. Launched today, consumers are invited to take inspiration for decorating their rooms, spaces and furniture from the palette’s 40 new shades that reflect 4 different phases of natural human behaviors in the new world in which we live.

“Now close to the end of another slowed-down year, we’re really craving what comes next, for the chance to move forward and re-experience life following the intense focus on our behaviors, lifestyles and desires,” comments Franziska Hammerl, Segment Head Decorative and Wood Coatings, Global Technical Marketing Coatings at Clariant.

In phase 1, “memotions”, a rather calm color selection with some poppy color

accents represents a coming back to life of sorts, where we’re re-orienting ourselves, considering our recent pasts to plan our futures. This palette includes Color of the Year “memory gold”, an antique gold tone with just the right touch of luxury, inspiring us to create new memories distinct from the past. The shade was formulated with Clariant pigment preparations and was mixed with SHINEDECOR C393, a brand new ready-to-use gold pearlescent effect pigment concentrate for waterborne paints from Clariant’s styling partner, Eckart, to achieve the final antique and sparkling golden tone.

“Memory gold is set to be an ever-present through 2022, perfect for accenting, or for color drenching and blocking techniques to partner other colors of the

years announced by decorative coatings brands. The combination of a neutral gold shade

and effect pigment brings something meaningful and special to homes and lives,” adds Franziska.

From memotions we enter “wembrace”, where the color scheme becomes more colorful while staying with calmer, naturally driven colors like greens, beiges

and blues that reflect the happiness and feelings of being allowed to “breathe” again.

In “wescalate”, the palette evolves to become yet more colorful again, as we take these new opportunities into overdrive and go beyond our previous comfort zones. Blue tones continue to be dominant, but are accompanied by intense shades such as pink, orange and turquoise – ideal as accent colors to create a focal point without overwhelming the room.

Finally, within the “metox” palette you find very calm colors which are more on the cold side. Grays, blues, green and beige are the key colors that can be used for full color schemes in our homes. Because, after all this building excitement has waned, it’s time to settle back down to who we really are.

Clariant sets new trends as one of the only pigment producers to publish color palettes for decorative coatings, supporting D.I.Y enthusiasts to professional decorators with trend-setting colors relevant to key application trends and design directions.

All shades in golden are formulated with our Colanyl® 500 waterborne pigment preparations which enable consumers to match any color they choose in modern architectural paints and plasters. The resin-free and low VOC range combines the advantages of broad compatibility in waterborne architectural coatings and suitability for Point-of-Sale and In-Plant tinting. Colanyl 500 is manufactured without using alkyl phenol ethoxylated additives (APEO) and meets the requirements of the official VOC test norm DIN EN ISO 11890-2 (Directive 2004/42/EC).

Source : Chemical Market



COSMO SPECIALITY CHEMICALS LAUNCHES A NEW RANGE OF SILICONE SOFTENER FOR THE TEXTILE INDUSTRY

New Delhi, 9th December 2021: Cosmo Speciality Chemicals, a 100% subsidiary of Cosmo Films Ltd., has launched Hanatex Soft range - a highly concentrated speciality silicone softener that gives inner softness and surface smoothness. The special formulated agent exhibits soft and bouncy handles.

There are two sets of products in this range: 1. Hanatex Soft HB - a hydrophobic silicone softener for all substrates for surface smoothness; 2. Hanatex Soft HL - a hydrophilic silicone softener for cotton terry towels knits and woven gives soft and silky handle

Based on Speciality Amino silicone, the finishing agents withstands moderate shear forces, high liquor TDS. Easily miscible with water in all proportions, these are applicable on any substrate like cotton, polyester and their blends etc. Improves the stretch and recovery capacity of Knit goods

Talking about the new product, Mr. Anil Gaikwad, Business head, Cosmo Speciality Chemicals said, "Silicone softeners are becoming increasingly important in the textile industry as they considerably improve the quality of the finished textile materials, especially their handle. The softeners give knitted fabric more

elasticity with better stretch recovery and at this present age, wear comfort is the need of everyone and looking at the demand of the customer base and market, we have introduced silicone softener, Hanatex Soft HB and Hanatex Soft HL for the textile industry."

Being very effective on knits, Terry towel, woven and blended fabrics these agents are free from APEO, NPEO, halogen, Phthalates & PFC and are compliant to GOTS. Both are suitable for exhaust and padding application process.

Source : Chemical Market

INTRODUCING AMP-UP RB FROM AUTONOMIC MATERIALS, INC.

CHAMPAIGN, Ill., Dec. 15, 2021 / CP R News wire / --Autonomic Materials, Inc. (AMI), a leading developer of smart coatings incorporating microencapsulation technology, announces the expansion of its product portfolio to include AMP-UP-TM RB, a self-healing, low VOC protective solution for rebar and structural metals embedded in concrete. Built on AMI's groundbreaking corrosion inhibiting technology platform, AMP-UP RB was explicitly designed for long-term corrosion protection of structural metals embedded in concrete during new construction and concrete repair.



During new construction and repairs, protective coatings may be damaged, requiring inspections and touch-ups. AMP-UP RB minimizes the need for these inspections and touch-ups by offering a self-healing barrier that maintains corrosion resistance after damage. In addition, AMP-UP RB provides unlimited open time prior to concrete encapsulation. This unique feature offers contractors unprecedented flexibility in planning their restoration projects and allows for structural steel to be coated in advance of arrival at the site for new construction projects.

AMP-UP RB is a single component product, which eliminates errors and waste associated with mixing multiple components while saving significant time during field application. It contains extremely low VOCs rendering it safer for applicators and the environment.

"The development of AMP-UP RB is a great example of our company responding to the market in designing a product's attributes. The best corrosion protection solutions must be effective, easy to deploy correctly, and environmentally sustainable. AMP-UP RB is that kind of product. It's a win all the way around, and

I couldn't be prouder of the efforts of our product development team," said



Dr. Gerald Wilson, AMI's CEO. "Every attribute of the product considered the needs of asset owners, engineers, and contractors. Even the color was chosen to make it easier for ap-

plicators to be able to tell which parts of the reinforcing steel had already been coated," added AMI's Product Manager, Chris Dayton.

AMP-UP RB meets the FDOT 931 specification and is currently available

in North America, with availability internationally expected to quickly follow. More information about the product can be found on the company's website (www.autonomicmaterials.com/products)

Source : PRNewswire

MERGERS AND ACQUISITIONS

ARKEMA TO DOUBLE ITS SARTOMER® PHOTOCURE RESINS CAPACITY IN ASIA

Arkema announces the project to double its UV curable resins production capacity at its Nansha plant in China. This expansion will support the fast-growing demand in Asia for cutting-edge solutions in electronics, driven by 5G technology, and in renewable energies.

This investment is fully aligned with the Group's strategy to develop its Coating Solutions segment with high value-added solutions and reinforce its downstream acrylics activities in Asia. It will enable Arkema to grow its high-performance and solvent-free solutions portfolio for UV curing marketed under the flagship brand Sartomer®.

This new expansion is scheduled to come on stream in the second half of 2023 and will provide best-in-class regional supply to customers in Asia.

In addition to this new production capacity, which will leverage the most recent process and manufacturing standards, the plant aims at carbon neutral growth thanks to an energy efficiency program, green electricity purchasing

and the installation of solar panels.

"We are committed to continuously develop innovative materials and sustainable technologies to meet the robust demand driven by megatrends such as new technologies, clean mobility and urbanization. This new capacity will enable us to provide our latest innovative photocure resin solutions and tailored services to our customers and partners in Asia." Laurent Peyronneau, Vice-President Of Arkema's Coating Solutions

Source : Arkema

SK GEO CENTRIC AND KOLON INDUSTRIES LAUNCH ECO-FRIENDLY BIODEGRADABLE PLASTIC PBAT

- SK Geo Centric to commercialize PBAT, a plastic material degradable in nature, with Kolon Industries
- PBAT is expected to have a wide range of applications in eco-friendly packaging due to its fast decomposition and flexibility
- SK Geo Centric pledges to accelerate its "Carbon to Green" strategy by increasing sales of eco-friendly products.

In collaboration with Kolon Industries, SK Geo Centric (SKGC), a subsidiary of SK Innovation, announced on December 22 that it is going to commercialize and launch PBAT, an eco-friendly biodegradable plastic material.

PBAT (Polybutylene Adipate-co-Terephthalate) is an environmentally friendly plastic that degrades swiftly in nature due to oxygen, heat, light, and enzyme reactions. SK Geo Centric has been working with Kolon Industries on joint research and development since last year, and was able to launch a commercialized product in just eight months after signing a strategic partnership agreement in April, which was followed by the development of prototype products and the acquisition of an eco-label certificate EL724)*.

*Eco-label certification: a voluntary cer-



tification system that encourages corporations to participate in environmental amelioration in this manner: if a product has improved quality in terms of 'its environmental feature' compared to other products used for the same purpose, a logo(eco-label) is marked on the product so as to provide customers with information on environmental improvement, and induce them to respond to the label with a greater preference, thereby urging corporations to develop and produce more eco-friendly products.

SK Geo Centric is expanding its client base through supplying PBAT raw materials and its marketing expertise and network. SK Geo Centric is South Korea's only producer of 1,4-Butanediol, a key ingredient in PBAT as well as a variety of fabrics, plastics, and electro-chemical substances.

Kolon Industries, on the other hand, has a high level of technological prowess in producing polyester products and will produce high-quality PBAT at Gumi Plant by combining both companies' technological skills in terms of optimum temperature, ideal material mixing ratios, and other factors, based on a reliable supply of PBAT raw material.

While regular plastic takes over a century to disintegrate in the natural environment, PBAT decomposes by more than 90% in just six months after being buried. Consequently, it makes it a highly eco-friendly plastic substance. It can be used in a variety of disposable bags and agricultural plastic mulching films*, to name a few, due to its quick decomposition speed and flexibility.

* Plastic mulching film: an agricultural plastic film used to maintain soil's temperature and moisture.

In particular, it can have a similar strength to existing plastic films such as LD and LLDPE when it is coupled with other components such as harder PLA ((Poly Lactic Acid) starch. It also

has excellent printability and workability, allowing it to be used for a variety of packaging purposes. Because PBAT is biodegradable in natural soil, it is expected to be utilized in place of existing PE agricultural films, which are problematic due to their collecting issues.

The Gumi plant has a PBAT production capability of 3000 tons per year. According to the industry, the global PBAT market will expand from 220,000 tons in 2020 to 800,000 tons in 2025, as demand for biodegradable products grows exponentially in response to increasingly stringent environmental regulations. Working with Kolon Industries, SK Geo Centric intends to boost its manufacturing scale to 60,000 tons by 2020 to meet rising demand in the global biodegradable plastic market.

"We believe PBAT will have a broad application in the future since, due to its flexibility and rapid decomposition rate, it is harmless to the environment when buried to the ground," said Kang Dong-hoon, Vice President of SK Geo Centric's Green Biz Group. "We will accelerate our 'Carbon to Green' strategy by churning out more eco-friendly chemical products."

"We are ecstatic to be able to contribute to the solution of environmental problems by mass-producing biodegradable plastics, especially because plastic waste has been identified as one of the major sources of pollution," said Lee Bumhan, Head of Kolon Industries' Technical Division.
"We will accelerate our ESG management in order to position ourselves as an environmental company that

opens the door to a sustainable future."

Source : SK Innovation

WL PLASTICS COMPLETES ACQUISITION OF CHARTER PLASTICS' TITUSVILLE, PENNSYLVANIA SITE

WL Plastics Corporation has announced it has completed the acquisition of the polyethylene pipe extrusion assets of Charter Plastics, Inc. located in Titusville, Pennsylvania.

This strategic acquisition provides the opportunity for WL Plastics to further diversify its product offerings, expand its customer base, and enter new regional markets.

The Titusville site and associated assets have the capability of producing a broad range of polyethylene pipe for numerous end-uses including potable water, reclaimed water, sewer, geothermal, gas, irrigation, and industrial applications.

"We are delighted to bring such an established and well-positioned asset kit into the broader manufacturing base of WL Plastics," said Mark Wason, CEO of WL Plastics. "We are excited to be a part of the Titusville community."

WL Plastics is a wholly owned subsidiary of INEOS USA LLC d/b/a INEOS Olefins & Polymers USA, which is part of the INEOS Group, one of the world's leading manufacturers of petrochemicals, specialty chemicals, and oil products.

Source : Ineos



CLARIANT BEGINS CONSTRUCTION OF FLAME RETARDANTS PRODUCTION FACILITY IN CHINA

- Approximately CHF 60 million investment to significantly expand production capacity of Clariant's Exolit® OP range of flame retardants
- Local production to better serve China's fast-growing electrical and electronic equipment industries
- Investment will further expand Clariant's footprint in China and transform its existing facility in Daya Bay into a truly strategic site by 2023

MUTTENZ, December 22, 2021 - Clariant, a focused, sustainable and innovative specialty chemical company, today announced that it will construct its first Chinese production facility for its successful Exolit OP flame retardants at its existing site in Daya Bay, Huizhou, Guangdong Province. By establishing local production capacity, Clariant greatly enhances the speed at which it can provide solutions to its customers in China. Driven by the fast-growing electrical and electronic equipment industries, in particular e-mobility, 5G communications technology and transportation, there is a rapidly growing demand for Clariant's innovative and sustainable flame retardants in China and other Asian markets.

"China has been one of the fastest growing regions for Clariant and we expect this development to continue in the future. By investing approximately CHF 60 million to establish a production facility dedicated to providing our lo-

cal customers with innovative and sustainable Exolit OP flame retardants, we will take another step towards increasing our footprint in China and continue to solidify our position in the local market," said Conrad Keijzer, CEO of Clariant.

Clariant's facility in Daya Bay is currently home to the company's first ethoxylation plant in Asia, which services local pharmaceutical, personal care, home care, and industrial application customers within its Business Area Care Chemicals.

This investment is in line with Clariant's dedicated growth strategy for China, in which footprint enlargement plays a vital role, alongside customer experience and innovation to support the country's drive towards sustainability transformation. This is underpinned by other investments, such as the recently com-



pleted One Clariant Campus in Shanghai, the newly opened state-of-the-art joint production facility with Tiangang in Cangzhou and the new Catofin® Catalysts facility in Jiaxing, which is expected to come online in 2022. By allocating approximately 35% of growth capital expenditure (capex) to China going forward, the sales share for the Group is expected to grow to around 14% by 2025 versus the 10% contribution from China in the full year 2020.

"We are very proud and excited to establish production capabilities in China. By producing closer to our Chinese customers, we can improve cooperation and design tailored solutions to their developing needs as well as significantly reduce delivery lead times. This new facility will also strengthen our overall production network beyond our existing facilities in Knapsack, Germany, and thus is beneficial to our global customer base as well," said Francois Bleger, Global Head of Clariant's Business Unit Additives.

Construction of the new production facility is starting with the groundbreaking ceremony today. Local resources will be used during the building process whenever possible. The project is expected to be completed and inaugurated in 2023. Upon completion, Clariant intends to source the necessary raw materials to enable local production in China.

Clariant's Exolit OP range of flame retardants is based on aluminum diethyl-phosphinate (DEPAL), which has a well-recognized ecotoxicological profile, as opposed to halogenated flame retardants and also carries Clariant's sustainability label EcoTain® in recognition of its proven excellent environmental and health profile. The Exolit



flame retardants offer unique protection possibilities, providing fire resistance to electronic devices like smartphones and computers as well as slowing fire and smoke spread in infrastructure applications. As e-mobility expands, they are set to play a critical role in enabling protection for everything from battery packs and other e-vehicle parts to charging points. With the new 5G technology expanding, innovative flame retardants are needed for the protection of a new generation of user devices with a denser and more technically sophisticated infrastructure.

Starting in the 1990s, Clariant invented and continuously developed its novel flame retardant technology based on organic phosphinates. Clariant has been protecting this innovative technology with a patent portfolio, which comprises more than 500 active individual patents or global patent applications. They cover phosphinate-based flame retardants as well as related polymer compositions and are relevant for components and end products such as plug connectors, circuit boards, encapsulating compounds, power plugs, LED housings, capacitor housings, charging cables for cell phones, and engine covers. Clariant has never licensed its patent-protected technology to other manufacturers for the production of flame retardant materials, neither in China nor in other countries.

Source : Chemical Market

SABIC'S POLYMER SOLUTIONS ENABLE FIRST-EVER LOCAL PRODUCTION OF N95 MASKS

SABIC's journey toward localizing the production of hygiene and personal protection equipment reached an important milestone when a local medical

products company applied its polymer solutions to produce N95 masks in Saudi Arabia for the first time.

Using SABIC's polypropylene material, the Saudi Mais Company produced the N95 masks in collaboration with Demas Factory for Non-Woven Fabrics and obtained the necessary approvals after conforming to the Saudi Food and Drug Authority specifications.

Yousef Al-Benyan, SABIC Vice Chairman and CEO, said that SABIC is strongly committed to contributing toward achieving Saudi Vision 2030 goals through NUSANED™, a SABIC nation-

al initiative that enables the development of strategic industries and supports Saudi companies to maximize local content. He said that SABIC is working closely with local manufacturers to create innovative and sustainable solutions and is developing the necessary raw materials to produce quality products.

Al-Benyan added that the local production of masks is an important step in localizing medical products that contribute toward improving public health. He noted that the NUSANED™ initiative covers a wide base of entrepreneurs and manufacturers to help localize strategic industries and transfer the necessary technologies.

A team from SABIC recently visited Demas and Mais factories where they met with plant executives who valued SABIC's efforts in producing the raw materials to manufacture the N95 masks entirely from innovative materials made in Saudi Arabia. They stressed that this successful engagement reflected the importance of collaboration between the



private and public sectors to support national products and localize the hygiene and personal protection equipment industry.

SABIC launched a Hygiene and Healthcare unit in September to further expand its market focus and adopt innovation to respond

promptly to customer needs and provide more focused solutions. The aim was to keep pace with the world's changing requirements by

promoting the contribution of petrochemicals to the medical equipment sector. This was especially necessitated after the outbreak of the COVID-19 pandemic, affecting the global supply chains of hygiene products and leading to severe restrictions on medical product exports in many countries.

Source : Sabic



Continued from Page 30

quirements, eliminating manual mixing and wasted chemicals."

The original design was submitted to the Los Angeles sales office of InventHelp. It is currently available for licensing or sale to manufacturers or marketers. For more information, write Dept. 20-LAX-1300, InventHelp, 217 Ninth Street,

Pittsburgh, PA 15222, or call (412) 288-1300 ext. 1368. Learn more about InventHelp's Invention Submission Services at <http://www.InventHelp.com>.

Source : PRNewswire

Kebotix Tapped by EPA to Develop Safe Pigments

CAMBRIDGE, Mass., Dec. 14, 2021 /PRNewswire/ -- The U.S. Environmental Protection Agency (EPA) is funding Kebotix to develop safe diarylide pigment alternatives using the company's platform that accelerates discovery of new chemicals through artificial intelligence, machine learning and robotics.

Today's announcement by the Cambridge, Mass.-based technology company follows the EPA's news of Small Business Innovation Research (SBIR) Program funding being allocated across 30 American companies to develop solutions for global environmental and public health problems through innovative environmental technologies. Kebotix's program, within the "Safer Chemicals" category, is for use of a machine-learning platform to develop diarylide pigment alternatives that do not produce polychlorinated biphenyls (PCBs) and other toxic byproducts.

Diarylide pigments are organic compounds ubiquitous to such applications as commercial and home printing; Yellow 12, a diarylide pigment, is one of the three main colored pigments used in the four-color process of color printing, for example. These pigments usually provide bright colors and good stability at low cost, which reportedly leads to the global production of diarylide yellows at scales of more than 50,000 tons per year.

"This is a momentum build-

er for Kebotix's existing work in the space of environmentally friendly and non-toxic pigments," said Dr. Semion Saikin, Kebotix's chief science officer. "The EPA funding enables us to accelerate engagement with companies expressing interest in testing and buying new halogen- and heavy metal-free pigments that our technology discovers and develops."

The effort to spawn safer pigments harnesses Kebotix's existing AI-powered platform that involves deep-learning algorithms for the prediction of molecular properties, synthetic routes and high-throughput computational modeling of molecules in addition to automated synthesis and characterization controlled by proprietary machine learning methods.

"While our platform is advancing next-generation of specialty chemicals that are sustainable, environmentally friendly and economical, the closed-loop approach to the design and discovery of pigments is uniquely efficient," Saikin said. "The reason is it intentionally includes UV and thermal stability of

materials in addition to their compatibility in the generation of virtual libraries. In turn, this approach will translate into a reduced cost of pigment design and scaled-up production."

EPA funding to develop solutions that help meet the nation's R&D needs comes at a critical time for the industry and welfare of the planet, according to one of the world's most esteemed pigment experts.

"Kebotix's entire mission is to help solve Earth's most challenging environmental and sustainability problems, so the EPA selecting this technology platform company to develop safer pigments and synthetic pathways makes tremendous sense," said Bruce Mulholland, holder of 15 patents in color and appearance technologies. "As the demand for textiles, plastics, paint and coatings and construction grows, so does the need to expeditiously discover new materials and manufacturing routes that do not produce PCBs and other toxic byproducts."

Data suggest that the use of pigments and dyes is significantly contributing to the global distribution of PCBs, which are synthetic chemicals that do not occur naturally. Although intentional manufacture of PCBs has been banned throughout the developed world, they are still generated during the production of certain classes of pigments.



VIEWS AND STATEMENTS



“This strategic partnership with Reliance Industries builds on the strong and deep-rooted bilateral ties between the UAE and India and highlights the attractive and compelling value proposition offered by TA’ZIZ as we grow a globally competitive industrial ecosystem. We are delighted to partner with Reliance Industries in this new joint venture which will manufacture critical industrial raw materials for the first time in the UAE, supporting our national strategy to empower the industrial sector to become the driving force of a truly dynamic economy over the next 50 years.”

- H.E. Dr. Al Jaber



“One year after the acquisition of CryoConcept, specialized in technologies allowing to reach very low temperatures (close to absolute zero), this major agreement reinforces our core competencies when it comes to extreme cryogenics and deep tech, and illustrates our ambition to push back the frontiers of science. In particular, it enables us to offer our customers an ever more comprehensive range of products and services including helium-3 rare gas. It also confirms the willingness of Air Liquide to take part in the growing market driven by the quantum revolution and serve customers leveraging its expertise in the field of ultra low temperatures.”

-Emilie Mouren-Renouard, Member of the Air Liquide Executive Committee, in charge of Innovation, Digital and IT, Intellectual Property and the Global Markets & Technologies World Business Unit,



“This strategic partnership with Reliance Industries builds on the strong and deep-rooted bilateral ties between the UAE and India and highlights the attractive and compelling value proposition offered by TA’ZIZ as we grow a globally competitive industrial ecosystem. We are delighted to partner with Reliance Industries in this new joint venture which will manufacture critical industrial raw materials for the first time in the UAE, supporting our national strategy to empower the industrial sector to become the driving force of a truly dynamic economy over the next 50 years.”

- H.E. Dr. Al Jaber



“We are reimagining how new hydrocarbon-based materials can form the building blocks to help multiple industries achieve a more sustainable future, This acquisition ties together Materia’s Nobel Prize-winning technology with ExxonMobil’s complementary proprietary technology and world-class manufacturing capabilities to bring this exciting new class of structural materials to commercial scale.”

- Karen McKee, president of ExxonMobil Chemical Company.



“This is an important step forward for sustainable bio-materials. The demand is stronger than ever for truly sustainable solutions. We are committed to driving sustainable castor bean farming and to expanding our global supply capability in concert with our customers. The expansion is completely consistent with our strategy to serve each region from within the region and its timing is welcomed by the market, which shows a strong demand for bio-based specialties.”

- Philippe Marthet, General Manager For Oleris® Advanced Bio-Materials



VIEWS AND STATEMENTS



"We are committed to continuously develop innovative materials and sustainable technologies to meet the robust demand driven by megatrends such as new technologies, clean mobility and urbanization. This new capacity will enable us to provide our latest innovative photocure resin solutions and tailored services to our customers and partners in Asia.

- Laurent Peyronneau, Vice-President Of Arkema's Coating Solutions



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

Mathias Miedreich, CEO of Umicore

- Herbal Essences principal scientist Rachel Zipperian.



"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, 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."

- Vice President, Europe & Asia Vinyls Chemicals, Dr. Karl-Martin Schellerer.



"We are excited about the capabilities and opportunities at Mura and Nexus. We share a common goal to keep plastic waste out of the environment. Waste plastics should not end up in the environment, as they can be sustainably recycled to create new plastics again and again. Investing in Nexus and Mura will accelerate our efforts to produce Marlex® Anew™ Circular Polyethylene and the expansion of our circular product portfolio."

- Benny Mermans, vice president sustainability at CPChem



"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.



The EPA is one of 11 federal agencies participating in the SBIR Program that supports the development and commercialization of technological solutions.

"Small businesses funded through the EPA's SBIR Program provide innovative approaches to address EPA's mission of protecting human health and the environment," said April Richards, EPA SBIR Program Manager. "Kebotix's

AI-powered platform is helping address the need for safer color technologies by developing pigment alternatives that do not produce polychlorinated biphenyls and other toxic byproducts that may have adverse human health impacts."

Working with U.S. agencies on innovation that fosters the development and commercialization of novel technologies isn't new to Kebotix. The Depart-

ment of Energy recently selected Kebotix to develop a pipeline for the smart design of OLED emitter molecules. In less than six months the company, using its proprietary AI platform, discovered new classes of candidate molecules that are being developed into device prototypes.

Source : PRNewswire

Airnov Expands Changshu Manufacturing Site and Releases New Products for Chinese Market

- New HDPE bottles and CRC caps offer competitive advantage versus current solutions
- HAT SNAP products manufactured at higher capacity in Changshu
- Investment at Changshu helps Airnov to modernize and meet the needs of the growing Chinese healthcare market

December 16, 2021 – Airnov, a global leader in innovating packaging solutions for the healthcare market, has completed an expansion and upgrade of its manufacturing facilities in Changshu, China.

The modernization of the site, which is around 100 kilometers northwest of Shanghai, includes the installation of new production lines that enables the company to produce a wider range of products at greater volumes.

As a result of the investment, Airnov is bringing several new products to the Chinese market.

The first is the HDPE bottle fitted with

CRC caps. Made using a thick plastic polymer, they provide a superior barrier to humidity versus regular bottles, offering a low moisture vapor transmission rate (MVTR).

Operating as a standard SP400 bottle-neck and screw cap, the product can be produced in a range of sizes, from 30ml up to 150ml. It also carries complete pharmaceutical compliance certificates from the Chinese NMPA. In time, certification will be achieved worldwide

from the likes of the FDA and European Union so that the products are available to all Airnov customers.

The newly expanded facility at Changshu will also be able to produce higher quantities of Airnov's HAT SNAP product. This is an active and ergonomic vial with desiccant stopper that also includes tamper evidence features to help prevent counterfeiting.

ov Asia Pacific, said: "The expansion has created and optimized an additional manufacturing space for our continuously growing business needs. In the meantime, we will strive to consistently offer better quality and sustainable products to customers both here in China and around the world."

Changshu is one of two Airnov manufacturing sites in China. In the Pearl River Delta, the company's site at Dongguan produces a series of rimless packets that were launched in April this year. Using 25% fewer raw materials than competing alternatives, these sustainable packets also offer greater moisture absorbing capacity and are designed for use in small pharmaceutical and diagnostic product bottles, as well as in medical device and food packaging applications.

Source : Chemical Market

Commenting on the strategic importance of the investment, Albert Zhao, General Manager of Airn-



Toray to Globally Offer Sewage Treatment Chemical RWI-8000 that Inhibits Scaling

Tokyo, Japan, December 16, 2021 – Toray Industries, Inc., announced today that it will start globally marketing RWI-8000. Low doses of this water treatment chemical can significantly reduce sewage treatment costs by suppressing struvite scale formation in dewatering sludge. Struvite is a mineral derived from bacteria in the urinary tract.

Swiss subsidiary Toray Membrane Europe AG developed this offering, which it has pre-sold to some European customers since April this year. Toray decided to offer this product worldwide because users acclaimed its performance in cutting operating costs and stabilizing quality.

Struvite scales form on dewatering centrifuge surfaces and inside pipes when removing water from sewage sludge. Strong mechanical force can remove this mineral if only a micrometer or so thick. However, it tends to build up rapidly, and becomes hard to remove once a millimeter thick, necessitating pipe and

centrifuge cleaning. Severe buildups may oblige operators to dismantle and replace piping at considerable expense. Long-term operational shutdowns are inevitable for piping inside buildings.

Struvite precipitation stems primarily from magnesium crystallization. Toray

ing of 25 to 50 parts per million of RWI-8000 at operational sewage treatment facilities prevented struvite precipitation and lowered cleaning costs to 75% below those of conventional techniques, lifting operational stability and operating rates.



Centrifuge before adding scale inhibitor



After adding scale inhibitor

Membrane Europe developed RWI-8000 by drawing on its expertise in techniques for inhibiting calcium scaling, which is similar to magnesium scaling, from more than 30 years of developing and manufacturing scale inhibitors for water treatment.

Tests of sludge samples from dewatered sewage confirmed that struvite particle formation plunged 99.4% immediately after adding several drops of RWI-8000 per cubic meter of sludge. A daily dos-

The global market for water treatment scale inhibitors is worth an estimated \$US330 million, and is expanding 5% to 7% annually. Toray offers scale inhibitors for diverse raw water treatment needs. It looks to further expand its business by applying expertise

from developing this product to other applications.

Toray will draw on more than four decades of experience in the water treatment sector to keep developing and delivering high-quality scale inhibitors in keeping with its corporate philosophy of contributing to society by creating new value.

Source : Toray

Evonik Boosts its Radiation Curing Silicones Portfolio with the Launch of TEGO® RC 1442 Release Coating

- New globally available cationic UV curing release system offers excellent coating performance
- Latest release coating strengthens Evonik's position in the global pressure sensitive adhesives market
- Continued growth in online commerce increases demand for high-performance label and packaging solutions

ing solutions

Essen, Germany. Evonik, the expert in UV curable silicone release systems for over 30 years has launched its new TEGO® RC 1442 silicone release coating. TEGO® RC 1442 is based on Evonik's existing RC 1400 series technology and delivers all the same easy release performance benefits customers are used to. Developed for fast curing

pressure sensitive adhesive (PSA) applications, TEGO® RC 1442 provides excellent anchorage to substrates and delivers stable release values over time, even under humid storage conditions.

"The increasing demand from our PSA market customers for globally avail-



able, easy-to-apply and high-performing UV curable products inspires us to continually review our portfolio to ensure that we deliver the solutions our customers need to meet

changing market dynamics like the growth in on-line shopping,” said Stefan Stadtmueller, Global Head of TEGO® RC Silicones at Evonik.

Ideal for release liners for use in all applications, TEGO® RC silicones can be used for industrial release liners, self-adhesive labels, graphic arts, tapes and hygienic products including, food packaging and food contact applications. TEGO® RC 1442 is fully commercialized and globally available.

Source : Evonik

Covestro Starts Offering the World's First Climate-Neutral* Polycarbonate

- Selected Makrolon® RE grades are climate-neutral* from cradle to gate
- Drop-in solution with constant product quality
- A major step towards meeting climate and sustainability targets

Materials manufacturer Covestro has started supplying the world's first climate-neutral* polycarbonate from its Uerdingen site in Germany, delivering on its promise to introduce these products by the end of 2021. These Makrolon® polycarbonate grades are climate-neutral from cradle to gate*, thanks to the usage of renewable electricity for Covestro production processes and the introduction of raw materials coming from mass-balanced bio-waste and residues.

Since receiving the ISCC Plus mass balance certification for two of its European sites at the end of last year, Covestro has been supplying polycarbonates partly sourced from renewable feedstock. They are attributed via the mass balance approach and lead to a significant carbon footprint reduction. Now, the company has acquired Guarantee of Origin certificates from unsubsidized photovoltaic renewable electricity plants located in Germany for its Uerdingen plant. They are allocated to the specific electricity needs of selected mass-balanced prod-

ucts for both chlorine electrolysis – essential to the production of polycarbonate – and other process steps. As a result, selected Makrolon® RE grades become climate-neutral*. These products are to be shown at the Consumer Electronics Show in Las Vegas in January 2022.

Sucheta Govil, Chief Commercial Officer of Covestro: "I am very proud of the launch of this climate-neutral product and its presentation at this important trade fair. This is another milestone in pursuing our sustainability vision: We are accompanying our customers in accelerating the transition to the circular economy, as well as helping to build an industrial ecology that favors circularity."



"This is an important milestone towards our vision to be fully circular," says Lily Wang, Head of the Engineering Plastics segment at Covestro. "We have taken a

big step forward to help our customers meet their sustainability targets, by offering a climate-neutral product that is at the same time a drop-in solution to speed up the transformation towards a circular future."

Drop-in solutions to accelerate the transition to a circular economy

"Our climate-neutral Makrolon® RE portfolio is a material of choice for customers looking for lower-carbon-footprint alternative raw materials. What's more, they have the same good quality and performance as fossil-based polycarbonates, and are a drop-in replacement without the need to modify existing processes or workflows," adds Jimena Ruesta, Venture Manager, Sustainability Solutions at Covestro's Engineering Plastics segment.

The company is gradually converting to alternative raw material sources including renewables as part of a comprehensive program to drive forward the transition to a circular economy. Integral to this program is the adoption of the mass balance approach, which is a chain of custody method that allows fossil and alternative feedstock to be mixed in pro-



duction but separated in bookkeeping. It is able to track materials through the value chains and allows attribution of alternative feedstock, like bio-based raw materials, to selected end products.

Through the mass balance approach, alternative raw materials are introduced into the value chain while taking advantage of the existing chemical infrastructure with its high efficiency and economies of scale, accelerating the transition of the industry to a circular economy of plastics.

Commitment to renewable energy in-

vestment

Covestro is also stepping up efforts to source more renewable energy to power its sites. In 2019 Covestro signed the world's largest corporate supply contract with Ørsted for offshore wind energy to cover a considerable part of its electricity demand in Germany with wind energy from the North Sea starting 2025. Additionally the company has signed a supply agreement with ENGIE for green power in Belgium to cover 45 percent of the electricity demand of the Antwerp site from new onshore and

wind turbines.

Most recently Covestro's Integrated Site Shanghai has signed a contract to purchase 100 gigawatt-hours per year of solar power from Datang Wuzhong New Energy Co.'s solar farms in northwest China's Ningxia region. These investments are expected to not only reduce Covestro's emissions from production, but also support the company to produce more sustainable products with lower carbon footprint.

Source : Covestro

Mitsui Chemicals Readies Japanese-First Production of Plastics, Chemicals From Bio-Based Hydrocarbons

Mitsui Chemicals, Inc. (Tokyo: 4183; President & CEO: HASHIMOTO Osamu) announced that it is readying to launch what will be Japan's first production of biomass derivatives from bio-based hydrocarbons, a move that promises to help further the adoption of biomass plastic and bring society one step closer to carbon neutrality. With 3,000 tons of bio-based hydrocarbons recently arriving from Neste Corporation, Mitsui Chemicals has now begun putting this supply into its crackers within Osaka Works. This delivery of bio-based hydrocarbons represents the first of its kind in Japan, and plans now are to put this feedstock to work for the production of various plastic and chemical derivatives that are to be shipped out

as products certified as bio-based using the mass balance method in accordance with ISCC PLUS certification.

Mitsui Chemicals is working to realize a circular economy through the two-pronged approach of chemical recycling and conversion to bio-based materials. Aiding in the effort to circumvent global warming, bio-based production represents an avenue of strategic importance when it comes to achieving carbon neutrality by 2050. In conjunction then with its development of materials and processes toward this end, Mitsui Chemicals aims to leverage its full-scale adoption of bio-based hydrocarbons toward

promoting the implementation of bio-based chemicals and plastics into society.

The bio-based hydrocarbons for use here

The bio-based hydrocarbons from Neste in this endeavor are produced from bio-based waste and residue oils. Use of these bio-based hydrocarbons is expected to significantly reduce the CO₂ that comes with the production of chemicals and plastic produced from petroleum-derived naphtha over the life cycle of these products, which spans all the way from the raw material stage through to product disposal

Source : Mitsui Chemicals

Colorants Webshop – Creating A Better Customer Experience

MUTTENZ, December 22, 2021 - The evolution of eCommerce has been rapid and enables levels of customer experience we could only dream about even 5 years ago. Customers expect more flexibility, more reliability,

more transparency, and more speed. B2B customers are increasingly evaluating suppliers, not just based on product performance and sustainability, but also on their reliability, and customer experience.

David Howes is Head of Digital Commercial and explains how Clariant BU Pigment's Colorants Webshop helps create a better customer experience, and in particular, how a customer portal is key to offering more transparency and



better service to customers.

Many companies now offer a webshop, so why is the Colorants Webshop different?

In many ways our webshop is the same as other B2B webshops. It supports product search, sample request, order confirmation and safety data sheet download. However, by integrating systems used by our customer service teams, we can create a true customer portal providing more real time information. For example, a personalized product catalogue, faster reordering, real time order changes, delivery updates, as well as regulatory, safety and technical documents relevant to each customer. It is a win-win for our customers who can make better decisions, but also our customer-facing teams who can offer more proactive customer service supporting a better customer experience.

How does the Colorants Webshop help create a better customer experience?

We set ourselves the challenge to offer a 'one click' experience to make the webshop as easy to use as possible. With this in mind, we designed a homepage with frequently used functions and most important information together in one customer view. Friction is frustrating, but it also increases hidden costs linked to delay. Whilst we are not there yet, we aspire to make our customers experience as frictionless as possible.

The proof of the pudding is in the eating. How do you know that customers like using the Colorants Webshop?

There are two parts to a successful customer portal. Making it fast and easy to use, but importantly, ensuring the information provided is useful for daily business. We ask every new user to give us feedback 6-8 weeks after 1st login. We also display a customer thermometer on the homepage which customers can use anytime to give us feedback. So far, the results have been encouraging. 82% of

users recommend the Colorants Webshop and see it as a value adding service. When a customer uses it to order, it does speed up order processing, but it is completely optional. The main benefit continues to be accessing relevant information, all in one place.

In the last decade, online marketplaces have grown exponentially, as have the products and services being offered. Why not just invest in B2B marketplaces?

We do use B2B marketplaces where it matches our needs, especially for customers with less demand for pigments, and to promote our color solutions in new markets. For this reason, we encourage our distributors to engage online, either through their own customer



portal, or through a B2B marketplace. Part of our digital strategy is to be more reliable through effective use of technology and data. From effective sampling and selection of our color solutions through to efficient delivery and integrated customer service. Something we cannot yet do through a B2B marketplace, and why we continue to invest in our customer portal.

It sounds like you have overcome many challenges. What can we learn from Clariant BU Pigments' eCommerce journey?

We now have customers on the platform from every region we do business in. The biggest challenge we faced was harmonizing the way we work across these regions to automate and provide real time information that customers can trust. By rolling out region by region, it

allowed us to better understand cultural and regulatory needs. For example, the need for eSignatures in certain countries, or translating into more languages to make it easier for customers to use. As a result, the Colorants Webshop is now available in Chinese, English, French, German, Portuguese, and Spanish. Rolling out gradually has allowed our teams to support personalized onboarding. Perhaps another reason why 82% of users recommend the Colorants Webshop.

What advice would you give your customers or distributors who want to create their own webshop?

Be curious, and appreciative when customers and customer service teams take the time to give feedback. Some of it is common sense, like being more reliable, offering self-service, and generally being more proactive. With advances in technology, this is now possible, but at the core is listening to customers, and customer service teams who suggested new features which otherwise would not have been added. I would personally like to thank everyone who has helped us so far on our digital journey together.

What is Clariant BU Pigments planning next for the Colorants Webshop?

Last month we added the shelf life of our products and announced a new certified range of compostable colorants to support biodegradable packaging. Next month we aim to show a real time overview of price changes in a new price book. In 2022, we aim to further personalize the customer experience by adding new features, such as notifications if a delivery is delayed, online technical support, and communicating more innovation through the webshop. The more feedback we receive, the more we improve, and why we encourage all our customers to register for the Colorants Webshop. To help us offer a better customer experience.

Source : Chemical Market



Sumitomo Corporation of Americas Announces its Participation in Japanese Hydrogen Forum; Aims to Develop Hydrogen Value Chain in the U.S.

NEW YORK, Dec. 21, 2021 / PRNewswire/ -- Sumitomo Corporation of Americas (SCOA), the largest subsidiary of Sumitomo Corporation, one of the world's largest traders and investors of goods and services, announced today its participation in the Japanese Hydrogen Forum (JH2F). The JH2F is comprised of a group of leading Japanese affiliated companies with hydrogen businesses in the U.S. that are intent on providing the latest information regarding technology and policy in hydrogen energy sectors, including state-of-art integrated hydrogen solutions to support the adoption from governments throughout the country.

Japan and the United States are well aligned on their sustainability goals, especially since President Biden and Prime Minister Suga declared their shared goal of carbon neutrality by 2050. Hydrogen is a carbon-free energy resource, has high energy density to generate electricity and is an affordable source of energy storage. It can also be converted into renewable natural gas through methanation technology as well as into basic material resources such as resin. Even more, hydrogen is expected to be one of the major resources to decarbonize all industrial sectors, including transportation, power generation, heavy in-

dustry, commerce, and residential. For these reasons, JH2F was established to support the decarbonization goals of the Federal, State and Municipal governments in the U.S. by identifying and developing hydrogen solutions.

"We are proud to be part of such a strong group of companies that are working toward the same goal of carbon neutrality within the United States," said Tak Niki, Chief Business Development Officer at Sumitomo Corporation of Americas. "By drawing from our resources in Japan and the U.S., this multinational collaboration will accelerate the adoption of new technologies and solutions to help scale carbon-neutral energy on a nationwide level. We look forward to moving the needle toward

achieving this important goal."

JH2F is supported by the Japanese government and Japanese governmental organizations such as Japan External Trade Organization (JETRO), New Energy and Industrial Technology Development Organization (NEDO), Japan Oil, Gas and Metals National Corporation (JOGMEC) and Nippon Export and Investment Insurance (NEXI). In order to materialize the collaboration on the U.S. side, JH2F will establish subcommittees in each sector, such as hydrogen production and supply, land transportation, port decarbonization, power generation and finance.

"Hydrogen is the ultimate environmental technology that can decarbonize transportation, power generation, industrial heat, and materials. I am glad that an industrial organization based on Japan-US cooperation is established. The Japanese government and its agencies would like to support its activities," said Norihiko Saeki, Special Advisor to the Ministry for Economy, Trade and Industry/ Executive Director at JETRO Los Angeles.

Source : PRNewswire

Dow Launches LUXSENSE™ Silicone Synthetic Leather, Providing Innovative Solutions for a New Era of High-End Sustainable Materials

SHANGHAI, China – December 22, 2021 – Dow (NYSE: Dow) today launched LUXSENSE™ Silicone Syn-

thetic Leather, the world's first high-end silicone-based synthetic leather material to meet specifications in transportation

seating and interiors, furniture, fashion, wearable devices and consumer electronics with unique features. With this



Price as on December 30, 2021

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

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



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

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

CHEMICAL MARKET

LEADS PLATFORM

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innovation in material science, Dow introduces an alternative synthetic leather solution that offers comfort, health, and luxury, all while offering enhanced sustainability.

“Globally, concerns over environmental protection and animal welfare are rapidly reshaping the leather industry – especially in China, the world's largest leather market. Meanwhile, we saw that both general leather and the current synthetic alternatives could not meet the growing requirements for automotive and wearable electronic products when it came to weatherability, stain resistance, odor, and sustainability – so we developed LUXSENSE™ Brand to address these needs,” said Jeroen Bello, DOW Global Marketing Director, Mobility & Transportation. “As a global leader in silicone technology, Dow leveraged the unique molecular structure of silicone to match consumer demands for leather in terms of softness, moisture permeability, stability and environmental friendliness.”

Known for its soft touch and breathability, general leather offers premium texture and comfort. However, it also has some distinct disadvantages, including weak UV resistance, poor crack and anti-aging resistance, and fragility. Other kinds of synthetic leather, by contrast, are durable but with the problem of hazardous, irritating odor emissions, which come from complex chemical agents, posing a threat to human health.

With the increasing awareness of the needs for greater sustainability and animal welfare, manufacturers and consumers are demanding innovative solutions that can integrate the advantages of traditional leather in terms of sight, smell, touch, and sustainability. Leveraging these insights on consumer and market needs while relentlessly exploring innovative technology, Dow developed LUXSENSE™ Brand as a novel solution.

LUXSENSE™ Brand offers a luxurious sense of sight in



terms of cleanliness, durability, color personalization and design freedom. It avoids DMF and plasticizer usage, providing enhanced sustainability, as well as superior UV resistance and hydrolysis resistance that effectively prevents leath-

er aging. Meanwhile, high flame retardancy is coupled with self-extinguishable features, and no harmful gasses are released in the event of a fire, making it a safe option for use in confined spaces. LUXSENSE™ Brand adopts the innovative top coating technique to ensure fresh and non-tacky touch even in sultry and humid environments.

This combination of product benefits for both manufacturers and end-users means that LUXSENSE™ Brand is widely applicable in a broad range of sectors and scenarios, including transportation seating and interiors, furniture, fashion, smart wearable devices, consumer electronics, and other fields where there is a stringent demand for high-quality material selection.

The launch of LUXSENSE™ Brand supports Dow's companywide commitment to reduce its net annual carbon emissions by an additional 15 percent, reducing net annual carbon emissions by approximately 30 percent by 2030 and achieve carbon neutrality by 2050. Adhering to the concept of Seek Together, Dow is striving for a positive impact on society and the planet with innovative partners.

Source : Dow

Chevron Phillips Chemical to build propylene unit in Baytown, Texas

Chevron Phillips Chemical announced plans to expand its propylene business with a final investment decision for a new C3 splitter unit. The

unit's location will be in Baytown, Texas, within the company's Cedar Bayou facility. Its expected capacity is 1 billion lbs./year with targeted start up in 2023.

The company chose S&B Engineers and Constructors to engineer, procure and build the project. Site construction activities will commence in January 2022.



At its peak, the project anticipates supporting 350-plus new construction jobs.

The C3 splitter will convert a refinery grade mixture of propylene and propane into a high purity propylene product. Propylene is essential to the production of key building blocks for many household and industrial applications, including polypropylene, propylene oxide and acrylonitrile. These chemicals are also

used in the production of plastics for several packaging applications and durable consumer products. Polypropylene is also central to the manufacturing of plastic parts for various industries including the automotive sector.

“With global propylene demand on the rise, this project reinforces Chevron Phillips Chemical’s commitment to expand to meet our customers’ needs and remain a leading propylene supplier,” said Justine Smith, senior vice president of petrochemicals.

Chevron Phillips Chemical currently operates C3 splitter units at its Cedar Bayou, Port Arthur and Sweeny, Clemens and Old Ocean facilities in Texas. The new unit will provide additional flexibility and production to meet anticipated demand from the company’s growing customer base, while establishing room for future growth.

“Our company is thankful for the support of our customers, elected officials and local community. Baytown is already home to important assets for our company, and we look forward to becoming an even more important economic engine for the local economy, while expanding our business to meet global customer demand,” said Smith.

Source Chevron Phillips

Wanhua Chemical's Polycarbonate Materials Contribute to the Completion of the "Super Railway Station" in India

The Rani Kamlapati railway station in Madhya Pradesh, India, has recently been renovated. Comprised of high performance construction materials, a sustainable design, and modern facilities, it is the first world-class railway station in Bhopal. The roof of the station is made up of polycarbonate (PC), which is supplied by MG Polyplast, the largest sheet manufacturer in India. These raw materials are produced from Wanhua Chemical’s CLARNATE® PC resins.

Due to its lightweight feature, excellent impact strength, and fire resistance, CLARNATE® PC resins effectively reduce the load on the roof to ensure the durability and safety of

the station. Moreover, with its aesthetically pleasing light transmittance and the high plasticity properties, CLARNATE® PC

resin enables the station ceiling to bring in natural light and provide anti-UV protection. As a result, this allows for reduced power

usage and prevents high indoor temperatures, lessening overall CO2 emissions

Grade	MFR	Impact Strength	Light Transmittance	Flame Rating		Characteristic
	g/10min	KJ/M ²	%	2mm	1.5mm	
A1070	7	96	89	HB	V2	No additives
A1073	7	86	89	HB	V2	UV stabilizer
A1077	7	84	89	HB	V2	Easy release
A1105	10	80	89	HB	V2	Easy release, UV stabilizer
A1107	10	78	89	HB	V2	Easy release, UV stabilizer

resin will satisfy designers' stylish needs while helping to expand actual usage area. CLARNATE® PC

Nowadays, CLARNATE® PC resins are serving customers across the globe. Aiming for the sustainable development of its polycarbonate materials, Wanhua Chemical will continue to explore the blueprint together with its growing customers and partners!

Source : Wanhua Chemical



Tosoh Achieves World-First Technological Breakthroughs with Environmentally Friendly Zgaia™ Zirconia Powders

Tokyo, Japan—Tosoh Corporation is pleased to announce its newest addition to its line-up of zirconia powders, the Zgaia series. The company's redesign of the particle structure of conventional zirconia makes possible lower-temperature sintering, at 1,250°C, than the usual 1,500°C, thus, reducing carbon dioxide emissions in the manufacturing process.

Tosoh's Zgaia 1.5Y-HT is a world first. It features the lowest level of yttrium oxide (Y₂O₃) content, of only 1.5 mol%, ever achieved in zirconia, while exhib-

iting both superior bending strength and fracture toughness. Furthermore, Tosoh will also start introducing to customers the Zgaia series' 3Y-LD grade, which features high durability owed to past efforts of Tosoh R&D.

The mechanism behind Zgaia 1.5Y-HT's fracture toughness, meanwhile, is being investigated by the Next Generation Zirconia Social Cooperation Program, which involves the University of Tokyo

and Tosoh Corporation and other private companies. The participants in this research program plan to issue a joint announcement soon to inform customers of that mechanism. The company is also considering starting the mass production of its Zgaia series in tandem with the announcements regarding the mechanism of Zgaia 1.5Y-HT's fracture toughness.

Tosoh was the world's first company to mass produce zirconia, and it maintains its position as the world's leading manufacturer in the field of fine ceramics. The company continues to focus on developing innovative technologies.

Source : Tosoh

LOTTE Chemical Develops everban, a Plastic Material with Improved Anti-virus Performance

- Second-generation material of evermoin, an antibacterial material brand, with added virus suppression functions... Efforts to develop differentiated materials to reduce concerns about the coronavirus during the With Corona program
- First product to apply everban, a material with outstanding functions for suppressing harmful microorganisms such as germs, molds and viruses to be released within this year... In particular, proven for outstanding virus suppression performance together with the Korea University Medical Center even against the highly infectious COVID-19 delta variant
- Demand expected to grow by ap-

plying in not only medical equipment that are sensitive to hygiene and safety, but also a wide variety of other items such as credit cards, interior seats, handles, etc. that are frequently touched

- Advanced Materials Division CEO Lee Young-joon, "Conducting R&D for specialty materials that can reduce fears and concerns about infections during the corona pandemic and help us return to normal life" "By developing Korea's first plastic material that can suppress harmful microorganisms, we will improve safety and convenience for our customers' products"

LOTTE Chemical's anti-virus material brand, everban, was developed

through the joint research with Korea University Medical Center after about one year.

The everban material can suppress bacterial growth even in high concentration conditions of malicious bacteria such as MRSA (Methicillin-resistant Staphylococcus aureus), and was developed as a specialty material that can continuously maintain anti-mold performance even when scratched or exposed to high temperatures, high humidity, or UV rays.

Furthermore, it is a comprehensive next-generation solution for harmful microorganisms that procured anti-viral performance for influenza, COVID-19 and its delta variant. Therefore, it is expected to be applied not only for medical equipment that are sensitive

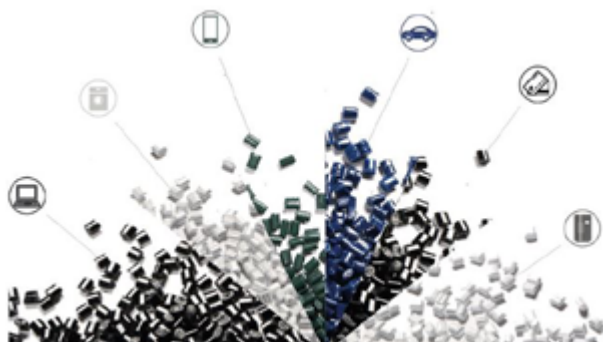


to hygiene and safety, but also for credit cards, interior seats, handles, etc. that have high contact frequency.

LOTTE Chemical entered an MOU with the Korea University Medical Center in October of last year under the goal of 'joint development of new materials that can be used safely in the corona pandemic' and conduct joint R&D and performance assessments on anti-virus plastic materials to conduct testing on shortening the death time of viruses. In result, they were able to put forth research results showing that more than 99% of all COVID-19 and delta variants were killed within 24 hours.

LOTTE Chemical Advanced Materials Division CEO Lee Young-joon stated, "Being able to conduct joint research with the nation's top researchers for

specialty materials that can reduce fears and concerns about infections during the corona pandemic and help us return to normal life was



a meaningful experience," and added, "By developing Korea's first material that can suppress harmful microorganisms, we will do our best to improve safety

and convenience for our customers' products."

LOTTE Chemical also developed an antibacterial material (evermoin) back in 2017 that can be applied to artificial marble and plastics such as home and bathroom items, electronic device parts, furniture, etc., and in 2020, it was verified to have anti-viral performance against influenza A in the synthetic resin sector, thereby acquiring the international standard for processed goods ISO 21702 for the first time in the world.

Meanwhile, LOTTE Chemical stated that as awareness on hygiene and safety is growing and there is heightened interest on products that can protect people from infections in daily life, it will make various efforts to provide unique and comprehensive solutions to suppress harmful microorganisms according to the product features and design of client companies.

Source : Lotte Chemical

Fresh salmon packed with Styropor® Ccycled™: The world's first EPS fish boxes based on chemically recycled plastics introduced in Norway

- **Bremnes Seashore uses Styropor® Ccycled™ for its high-quality BÖMLO® salmon filets**
- **Virgin quality and food contact approval guaranteed: Ccycled™ fish boxes are identical to conventional boxes made of expandable polystyrene (EPS)**
- **Circular economy: VARTDAL PLAST engaged in fish box recycling**

does this go together? In a joint project, three companies have demonstrated how it works: BASF as raw material supplier for EPS, VARTDAL PLAST, who converts the beads into filet fish boxes and Bremnes Seashore that uses the boxes for the transport of some of its high-quality salmon brand BÖMLO® as of Christmas 2021.

"The EPS Fish Box is a well-known and trusted companion of ours with excellent properties for maintaining and securing the cold chain during transport. A secure cold chain is vital for food safety and preventing food waste. For us at Bremnes Seashore it's exciting to try

an alternative where the carbon footprint is significantly reduced and we always appreciate initiatives that promote the circular economy," says Simon Nesse Økland, Head of Development at Bremnes Seashore.

Food contact approval and virgin-quality packaging

Thanks to its manufacturing process, Styropor® Ccycled™ has the same properties as conventional Styropor®. This maintains the excellent packaging properties such as thermal insulation and pressure-resistance with good buckling stiffness and stacking stability, which

Ludwigshafen, Germany and Vartdal/Bømlo, Norway, 14 December 2021 – Fresh fish and ChemCycling™: How



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

PRODUCT LIST

1 Amino

AAKAR DYES AND CHEMICALS Pg 12

1 Naphthol

AAKAR DYES AND CHEMICALS Pg 12

2(4 Ethyl Benzol)

Mavani Chemicals Pvt. Ltd. Pg 13

2(4 Methyl Benzoyl)

Mavani Chemicals Pvt. Ltd. Pg 13

2, 6. Dihydroxy Naphthlene

AAKAR DYES AND CHEMICALS Pg 12

2 Naphthol

AAKAR DYES AND CHEMICALS Pg 12

3,6 Disulfonic Acid

AAKAR DYES AND CHEMICALS Pg 12

4- Sulfonic Acid

AAKAR DYES AND CHEMICALS Pg 12

6BA

Chemilife Enterprises Pg 11

6 Nitro

AAKAR DYES AND CHEMICALS Pg 12

A

Acetic Acid

KRISHNA SOLVECHEM LTD. Pg 8

Acetone

KRISHNA SOLVECHEM LTD. Pg 8

Acetonitrile

KRISHNA SOLVECHEM LTD. Pg 8

Acetophenone

KRISHNA SOLVECHEM LTD. Pg 8

Acetyl H. Acid

AAKAR DYES AND CHEMICALS Pg 12

Acid Green-16

AAKAR DYES AND CHEMICALS Pg 12

Acid Orange 156

Mavani Chemicals Pvt. Ltd. Pg 13

Acid Orange Liquid

HIREN ENTERPRISES Pg 12

Acid Yellow 36

Mavani Chemicals Pvt. Ltd. Pg 13

Acid Yellow 219

Mavani Chemicals Pvt. Ltd. Pg 13

Acrylonitrile

KRISHNA SOLVECHEM LTD. Pg 8

Alizarine Red

Mavani Chemicals Pvt. Ltd. Pg 13

Alpha Methyl Styrene

KRISHNA SOLVECHEM LTD. Pg 8

Amido G. Acid to Gamma Acid

AAKAR DYES AND CHEMICALS Pg 12

Amino ISO J Acid

AAKAR DYES AND CHEMICALS Pg 12

Ammonium Bi Carbonate

KRISHNA SOLVECHEM LTD. Pg 8

Aniline Oil

KRISHNA SOLVECHEM LTD. Pg 8

B

Basic Auramine Liquid

HIREN ENTERPRISES Pg 12

Basic Bismark Brown R

HIREN ENTERPRISES Pg 12

Basic Bismark Brown Y

HIREN ENTERPRISES Pg 12

Basic Brown R Liquid

HIREN ENTERPRISES Pg 12

Basic Brown Y Liquid

HIREN ENTERPRISES Pg 12

Basic Crysodine R (Powder)

HIREN ENTERPRISES Pg 12

Basic Crysodine Y Base (Solvent Orange 3)

HIREN ENTERPRISES Pg 12

Basic Crysodine Y (Crystal & Powder)

HIREN ENTERPRISES Pg 12

Basic Crysodine Y Liquid Pg 12

Benzoic Acid

KRISHNA SOLVECHEM LTD. Pg 8

Mavani Chemicals Pvt. Ltd. Pg 13

Beta Naphthol to G. Salt

AAKAR DYES AND CHEMICALS Pg 12

B.H.K. Acid

Mavani Chemicals Pvt. Ltd. Pg 13

BIS AZO

Mavani Chemicals Pvt. Ltd. Pg 13

Bitumen / Pet Coke / DMPAT

KRISHNA SOLVECHEM LTD. Pg 8

Blue TL

Mavani Chemicals Pvt. Ltd. Pg 13

BM Alizarine Red

Mavani Chemicals Pvt. Ltd. Pg 13

Bordo 3B

Mavani Chemicals Pvt. Ltd. Pg 13

Brassinolids

Chemilife Enterprises Pg 11

Butanol

KRISHNA SOLVECHEM LTD. Pg 8

C

C-IX

KRISHNA SOLVECHEM LTD. Pg 8

Cyclohexane

KRISHNA SOLVECHEM LTD. Pg 8

D

DEG

KRISHNA SOLVECHEM LTD. Pg 8

Dehydro Thio Based

Mavani Chemicals Pvt. Ltd. Pg 13

Di Ethyl Amine

KRISHNA SOLVECHEM LTD. Pg 8

Di Ethylene Tri Amine (DETA)

KRISHNA SOLVECHEM LTD. Pg 8

Di Iso Propyl Ether

KRISHNA SOLVECHEM LTD. Pg 8

Di Methyl Acetamide

KRISHNA SOLVECHEM LTD. Pg 8

Di Methyl Amine

KRISHNA SOLVECHEM LTD. Pg 8

Di Methyl Amine HCl

KRISHNA SOLVECHEM LTD. Pg 8

Dimethyl Carbonate

KRISHNA SOLVECHEM LTD. Pg 8

Di Methyl Formamide

KRISHNA SOLVECHEM LTD. Pg 8

Di Methyl Sulphoxide

KRISHNA SOLVECHEM LTD. Pg 8

DIPA

KRISHNA SOLVECHEM LTD. Pg 8

Direct Orange 118 Liquid

HIREN ENTERPRISES Pg 12

Direct Red 81 Liquid

HIREN ENTERPRISES Pg 12

Direct Violet Base

Mavani Chemicals Pvt. Ltd. Pg 13

Direct Yellow - 09

Mavani Chemicals Pvt. Ltd. Pg 13

Direct Yellow 11 Liquid

HIREN ENTERPRISES Pg 12

Direct Yellow 87 Base

Mavani Chemicals Pvt. Ltd. Pg 13

Di Sodium Phosphate

KRISHNA SOLVECHEM LTD. Pg 8



E

Edible Refine Salt

SKC INDUSTRIES LLP Pg 14

Epichlorohydrine

KRISHNA SOLVECHEM LTD. Pg 8

Ethylene Diamine (EDA)

KRISHNA SOLVECHEM LTD. Pg 8

Ethylene Dichloride

KRISHNA SOLVECHEM LTD. Pg 8

F

Formic Acid

KRISHNA SOLVECHEM LTD. Pg 8

G

Gibberlic Acid

Chemilife Enterprises Pg 11

Green - BL

Mavani Chemicals Pvt. Ltd. Pg 13

G Salt to Amido G Acid

AAKAR DYES AND CHEMICALS Pg 12

H

H Acid

AAKAR DYES AND CHEMICALS Pg 12

Heptanes

KRISHNA SOLVECHEM LTD. Pg 8

Hexane

KRISHNA SOLVECHEM LTD. Pg 8

Basic Brown Y Liquid Pg 12

HIREN ENTERPRISES Pg 12

Basic Brown Y Liquid Pg 12

Hydrazine Hydrate 80%

KRISHNA SOLVECHEM LTD. Pg 8

Hydrogen Peroxide 50%

KRISHNA SOLVECHEM LTD. Pg 8

Hydroxylamine Sulphate

KRISHNA SOLVECHEM LTD. Pg 8

I

Indole Acetic Acid

Chemilife Enterprises Pg 11

Indole Butyric Acid

Chemilife Enterprises Pg 11

Industrial Salt

SKC INDUSTRIES LLP Pg 14

Isobutanol

KRISHNA SOLVECHEM LTD. Pg 8

Isophorone

KRISHNA SOLVECHEM LTD. Pg 8

Isopropanol

KRISHNA SOLVECHEM LTD. Pg 8

Isopropyl Alcohol

KRISHNA SOLVECHEM LTD. Pg 8

J

J Acid

AAKAR DYES AND CHEMICALS Pg 12

M

Mamas Acid

Mavani Chemicals Pvt. Ltd. Pg 13

MCB

KRISHNA SOLVECHEM LTD. Pg 8

MDC

KRISHNA SOLVECHEM LTD. Pg 8

Methanol

KRISHNA SOLVECHEM LTD. Pg 8

Methylene Di Chloride

KRISHNA SOLVECHEM LTD. Pg 8

Methyl Ethyl Ketone (MEK)

KRISHNA SOLVECHEM LTD. Pg 8

Methyl Iodide

KRISHNA SOLVECHEM LTD. Pg 8

Methyl Iso Butyl Ketone (MIBK)

KRISHNA SOLVECHEM LTD. Pg 8

Methyl Metha Acrylate

KRISHNA SOLVECHEM LTD. Pg 8

Mono Chlorobenzene

KRISHNA SOLVECHEM LTD. Pg 8

Mono Ethyl Amine 70%

KRISHNA SOLVECHEM LTD. Pg 8

Mono Isopropyl Amine 70%

KRISHNA SOLVECHEM LTD. Pg 8

Mono Methyl Amine

KRISHNA SOLVECHEM LTD. Pg 8

Mono Sodium Phosphate

KRISHNA SOLVECHEM LTD. Pg 8

Morpholine

KRISHNA SOLVECHEM LTD. Pg 8

N

Naphthalene 2:7 Disulfonic Acid

AAKAR DYES AND CHEMICALS Pg 12

N-Butanol

KRISHNA SOLVECHEM LTD. Pg 8

Nitazine Yellow

Mavani Chemicals Pvt. Ltd. Pg 13

N-Methyl-2-Pyrrolidone

KRISHNA SOLVECHEM LTD. Pg 8

O

Orange ARL

Mavani Chemicals Pvt. Ltd. Pg 13

Orange Base

Mavani Chemicals Pvt. Ltd. Pg 13

Ortho Nitro Toluene

KRISHNA SOLVECHEM LTD. Pg 8

Ortho Xylene

KRISHNA SOLVECHEM LTD. Pg 8

P

Papas Acid

Mavani Chemicals Pvt. Ltd. Pg 13

Paraformaldehyde

KRISHNA SOLVECHEM LTD. Pg 8

Para Nitro Toluene

KRISHNA SOLVECHEM LTD. Pg 8

PCI5

KRISHNA SOLVECHEM LTD. Pg 8

Peracetic Acid

Chemilife Enterprises Pg 11

PH

Mavani Chemicals Pvt. Ltd. Pg 13

Phenol

KRISHNA SOLVECHEM LTD. Pg 8

Phosgenated and Cyanuric Based

Mavani Chemicals Pvt. Ltd. Pg 13

Phosphate

KRISHNA SOLVECHEM LTD. Pg 8

Phosphoric Acid 85%

KRISHNA SOLVECHEM LTD. Pg 8

Piperazine 68%

KRISHNA SOLVECHEM LTD. Pg 8

Piperazine Anhydrous

KRISHNA SOLVECHEM LTD. Pg 8

Polyamines

KRISHNA SOLVECHEM LTD. Pg 8

Potassium Meta Bi Sulphite

KRISHNA SOLVECHEM LTD. Pg 8

Propylene Glycol

KRISHNA SOLVECHEM LTD. Pg 8

Pyridine

KRISHNA SOLVECHEM LTD. Pg 8

Q

Quinizarine (1-4 Dihydroxy Anthraquinone

Mavani Chemicals Pvt. Ltd. Pg 13

R

Raw Salt/Crystal/Coarse Salt

SKC INDUSTRIES LLP Pg 14

Red - 4G

Mavani Chemicals Pvt. Ltd. Pg 13

Red - HI

Mavani Chemicals Pvt. Ltd. Pg 13



S

Salt Free Dyes

Mavani Chemicals Pvt. Ltd. Pg 13

Silver Peroxide

Chemilife Enterprises Pg 11

Sodium Acid Pyro Phosphate

KRISHNA SOLVECHEM LTD. Pg 8

Sodium Benzoate

KRISHNA SOLVECHEM LTD. Pg 8

Sodium Chloride NACL 99%

SKC INDUSTRIES LLP Pg 14

Sodium Hexa Meta

KRISHNA SOLVECHEM LTD. Pg 8

Sodium Meta Bi Sulphate

KRISHNA SOLVECHEM LTD. Pg 8

Sodium Metal

KRISHNA SOLVECHEM LTD. Pg 8

Sodium Methoxide

KRISHNA SOLVECHEM LTD. Pg 8

Sodium Nitrate

KRISHNA SOLVECHEM LTD. Pg 8

Sodium Nitrite

KRISHNA SOLVECHEM LTD. Pg 8

Sodium Percarbonate

Chemilife Enterprises Pg 11

Sodium Sulphate

SKC INDUSTRIES LLP Pg 14

Sodium Sulphide Yellow Flakes

KRISHNA SOLVECHEM LTD. Pg 8

Sodium Sulphite

KRISHNA SOLVECHEM LTD. Pg 8

Sodium Tri Poly

KRISHNA SOLVECHEM LTD. Pg 8

Stain Indicator

Mavani Chemicals Pvt. Ltd. Pg 13

S. Titan Yellow

Mavani Chemicals Pvt. Ltd. Pg 13

Styrene Monomer

KRISHNA SOLVECHEM LTD. Pg 8

Sulfuryl Chloride

KRISHNA SOLVECHEM LTD. Pg 8

Sulphur Dioxide

KRISHNA SOLVECHEM LTD. Pg 8

T

Tablet Salt

SKC INDUSTRIES LLP Pg 14

Tertiary Butanol

KRISHNA SOLVECHEM LTD. Pg 8

Tetra Hydro Furan

KRISHNA SOLVECHEM LTD. Pg 8

T G Urea

KRISHNA SOLVECHEM LTD. Pg 8

Thionyl Chloride

KRISHNA SOLVECHEM LTD. Pg 8

Tobias Acid

AAKAR DYES AND CHEMICALS Pg 12

Toluene

KRISHNA SOLVECHEM LTD. Pg 8

Tri Ethyl Amine

KRISHNA SOLVECHEM LTD. Pg 8

Tri Ethyl Ortho Formate

KRISHNA SOLVECHEM LTD. Pg 8

Tri Mathyl Amine

KRISHNA SOLVECHEM LTD. Pg 8

Tri-n-Butyl Amine

KRISHNA SOLVECHEM LTD. Pg 8

TRIS AZO

Mavani Chemicals Pvt. Ltd. Pg 13

Tri Sodium Phosphate

KRISHNA SOLVECHEM LTD. Pg 8

Tropium Chloride

KRISHNA SOLVECHEM LTD. Pg 8

V

Vinyl Acetate Monomer

KRISHNA SOLVECHEM LTD. Pg 8

Violet 4B

Mavani Chemicals Pvt. Ltd. Pg 13

Y

Yellow ARL

Mavani Chemicals Pvt. Ltd. Pg 13

Yellow GL

Mavani Chemicals Pvt. Ltd. Pg 13

Yellow RL Base

Mavani Chemicals Pvt. Ltd. Pg 13

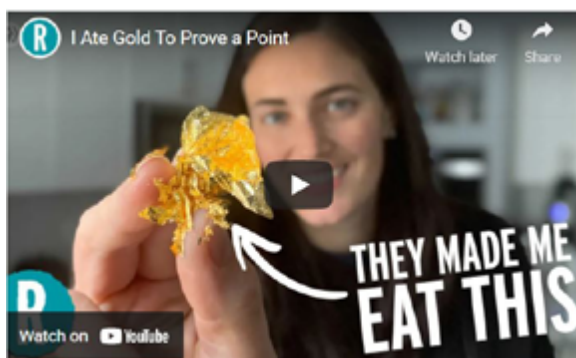
Why are Certain Heavy Metals Okay to Eat Video

WASHINGTON, Dec. 27, 2021 — Heavy metals have a reputation for being dangerous, but some are essential nutrients that you can't live without. In this week's episode of Reactions, we explore why: <https://youtu.be/zYJ-sk-5klJs>.

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

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prise and its practitioners for the benefit of Earth and its people. The Society is a global leader in providing access



to chemistry-related information and research through its multiple research solutions, peer-reviewed journals, sci-

entific conferences, eBooks and weekly news periodical Chemical & Engineering News. ACS journals are among the most cited, most trusted and most read within the scientific literature; however, ACS itself does not conduct chemical research. As a specialist in scientific information solutions (including SciFinder® and STN®), its CAS division powers global research, discovery and innovation. ACS' main offices are in Washington, D.C., and Columbus, Ohio.

Source : Chemical Market



are essential to keep fish cool and safe at the same time. In the production of the packaging foams that have become so well-known over the last 70 years, pyrolysis oil replaces fossil raw materials. BASF sources this oil from technology partners who use a thermochemical process called pyrolysis to transform post-consumer plastic waste that would otherwise be used for energy recovery or go to landfill into this secondary raw material. BASF then uses the oil at the very beginning of the value chain to manufacture new plastics and other products.

Since recycled and fossil raw materials are mixed in BASF's production Verbund and cannot be distinguished from each other, the recycled portion is allocated to Styropor® Ccycled™ using a mass balance approach. Both the allocation process and the product itself, have been certified by an independent auditor. In addition, a certified Life Cycle Assessment evaluating the environmental performance of the product concludes, that compared with conventional Styropor®, at least 50 percent of CO2 is saved in the production of Styropor® Ccycled™.

Styropor® Ccycled™ for each key application in BASF's EPS product portfolio

“Chemical recycling of plastic waste is not only an essential building block to achieve the European circular economy targets but is especially useful for applications with high requirements for the quality and safety of the material such as protective packaging, pharma boxes and food packaging. We are therefore very proud of the ChemCycling™ project with Bremnes Seashore on EPS fish boxes and we are happy to have helped our customer to progress on his sustainability path,” says Klaus Ries, head of BASF's styrenics business in Europe.

Also, for the converter

VARTDAL PLAST Styropor® Ccycled™ brings a lot of advantages as the product is identical to virgin material. Therefore, the production process does not have to be adjusted. The company and their products are certified according



to the ecoloop certification programme, confirming that 100 % recycled material was used as feedstock. “Bremnes Seashore has been a customer of VARTDAL PLAST for decades and we are excited that they are the first customer to choose VARTDAL AIRBOX LOOP, an EPS fish box made from 100 % Styropor® Ccycled™ raw material derived from chemically recycled plastics”, says Jan Endre Vartdal, owner and CEO at VARTDAL PLAST. “Our goal is to transform our entire production from using fossil based raw materials into using fossil free or recycled raw materials.

The use of Styropor® Ccycled™ raw material from BASF enables us to begin this transformation in close cooperation with our customers without compromising on quality and recyclability”.

Circular economy in action: fish boxes are recyclable and recycled

EPS fish boxes are an important packaging product within the EPS product family. The first fish box was made back in 1965 and has since become an essential tool for transporting fresh fish all over the world. With an average weight of 0.6 kg per box the standard EPS fish box on average can carry 22 kg of fresh fish. In addition, EPS fish boxes are recyclable and recycled widely in Scandinavia and other European countries. Therefore, fish boxes are collected, compacted, and shredded. The shredded EPS fish boxes are then used as feedstock to produce recycled polystyrene which can be used for various applications such as insulation boards. “As a plastic producer we have a responsibility to contribute to getting our products back into the loop. For this reason, we have set up two high-capacity compacting sites in the middle of Norway and in the eastern part of Norway. By utilizing return freight, our own trucks collect and transport EPS from waste disposal sites, fish processors and building and construction hubs back to our compacting sites, where the EPS is shredded, compacted and palletized ready for recycling. Our long-term goal is to source the compacted material back into our product series VARTDAL LOOP® which only consists of products made from recycled or fossil free raw materials”, Jan Endre Vartdal adds.

Source : BASF



EVENTS AND CONFERENCES

COATINGS FOR AFRICA

Date: May 04-06, 2022

City: Sandton Convention Centre, Johannesburg

Country: South Africa

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

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

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

PAINT INDIA

Date: March 10-12, 2022

City: Jio World Convention Centre, Mumbai

Country: India

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

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

PAINT ISTANBUL TURKCOAT

Date: March 17-19, 2022

City: Turkey

Country: Istanbul

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

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



EVENTS AND CONFERENCES

AMERICAN COATINGS SHOW

Date: April 05-07, 2022

City: Indiana Convention Center Indianapolis, United States

Country: United States

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

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

CPHI JAPAN

Date: April 20-21, 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



Six Pines Investments LLC Purchases Stake in Top Plastics Recyclers to Accelerate Transformation to a Circular Economy for Plastics

Six Pines Investments LLC (“Six Pines”), a wholly-owned, sustainable investment subsidiary of Chevron Phillips Chemical Company LLC (“CPCChem”) announced its equity investment in two leading circular plastics recyclers, Nexus Circular, LLC (“Nexus”) and Mura Technology Ltd. (“Mura”).

In October 2020, CPCChem announced success in its first commercial scale production of polyethylene using advanced recycling technology. The company markets its new circular polyethylene under the name Marlex® Anew™ Circular Polyethylene and is working toward an ambitious annual production goal of 1 billion pounds of circular polyethylene by 2030. Mura and Nexus are leading plastics recyclers that convert waste

plastics into high quality feedstock used in advanced recycling technologies to produce circular plastics. These strategic investments made from its Six Pines subsidiary reflect CPCChem’s commitment to foster innovation and accelerate the transition to a circular economy for plastics.

Benny Mermans, vice president sustainability at CPCChem said, “We are excited about the capabilities and opportunities at Mura and Nexus. We share a common goal to keep plastic waste out of the environment. Waste plastics should not end up in the environment, as they can be sustainably recycled to create new plastics again and again. Investing in Nexus and

Mura will accelerate our efforts to produce Marlex® Anew™ Circular Polyethylene and the expansion of our circular product portfolio.”

Plastics are life-enriching products that are essential for our future, however the plastic waste challenge must be addressed. CPCChem believes that solving the global problem of plastic waste will require innovation, investment and co-operation throughout the entire plastics value chain. Six Pines’ investments advance CPCChem’s ambition to reduce waste and reuse valuable resources, accelerating change for a sustainable future.

Source : Chevron Philips Chemical

Clariant to Purchase Basfs U S Attapulgit Business Assets

- Acquisition of BASF’s U.S. Attapulgit business assets for USD 60 million in cash
- Strengthens Clariant’s technology leading position in the purification of edible oils and renewable fuels
- BASF’s Attapulgit business assets to expand footprint in the Americas
- In line with Clariant’s bolt-on acquisition strategy and sustainability focus

MUTTENZ, January 5, 2022 - Clariant, a focused, sustainable and innovative specialty chemical company, announced that it has signed definitive agreements to acquire BASF’s U.S. Attapulgit business assets for USD 60

million in cash, including the signing of a long-term supply agreement for attapulgit-based products to BASF. The acquisition is subject to customary closing conditions and is expected to close in summer 2022.

BASF’s Attapulgit business is one of the largest attapulgit miners and producers in North America, with mining operations in Georgia and Florida and processing operations in Quincy, Florida. The business produces attapulgit-based products for a wide range of applications and end-markets. BASF’s business is well recognized in the industry for its unique combination of mineral quality, mine reserve size and strategic location. Clariant is a technology leader in the

purification of edible oils and renewable fuels. The transaction will substantially increase the Business Unit’s production capacity, thereby enhancing the ability to participate in the attractive edible oil and renewable fuels markets in the Americas. Clariant offers unique technology for the purification of edible oils and the pretreatment of feedstocks for the production of renewable fuels. With consumer preferences pivoting towards a diet with a higher vegetable oil content, clay adsorbent demand is poised to grow as they are crucial to remove undesired impurities in the refining process of these oils. With its first product pioneered over a century ago, Clariant’s flagship TONSIL® product range of high quality adsorbents is continually being



developed and have become the gold standard for efficient purification of edible oils and fats.

The renewable fuels market in the Americas, based on waste streams like used cooking oils, tall oil, tallow, animal fats and distillers corn oil, is an attractive growth market. Adsorbent clays such as the TONSIL RNF product range are a crucial enabler for this industry as they play a key role in removing contaminants during the pretreatment stage of these waste fats, thereby protecting the catalyst and enabling a stable and economically viable process.

"This acquisition fits very well with our strategy to grow through sus-

tainability-focused innovations and bolt-on acquisitions. This acquisition will nicely extend the footprint of our Functional Minerals business in the Americas and will further improve Clariant's position in renewable fuels purification," said Conrad Keijzer, Chief Executive Officer of Clariant. "Clariant is already seen as a sustainability and technology leader today and this acquisition will improve Clariant's position in renewable fuel and edible oil purification."

Structured as an asset deal with a cash purchase price of USD 60 million, the transaction includes the transfer of land & mining rights, the processing facility,

and inventories, which will be integrated into Clariant's Functional Minerals Business Unit. Clariant is pleased to welcome 75 highly qualified, dedicated employees. BASF's Attapulgate business generated sales of approximately USD 36 million in 2020. The transaction will accrete to the Natural Resource's EBITDA margin profile and will support Clariant on its path towards its recently announced 2025 targets. Customary closing actions, including merger notification and clearance filings as well as real estate title work are anticipated to result in a closing of the transaction in summer 2022.

Source : Chemical Market

Galaxy Surfactants Commemorates A Decade of Sustainability Reporting by Hosting Podcast Series with Industry Stalwarts

Initiative part of Galaxy Surfactants' #ReportOfTrust campaign that aims to simplify the journey of sustainability reporting

Mumbai, Maharashtra, 3 January, 2022 — Galaxy Surfactants Limited, a leading manufacturer of performance surfactants and specialty care products with over 215 product grades used in Home and Personal Care industry, has released its 10th Sustainability Report and to commemorate the milestone, the company is hosting a podcast series of knowledge-sharing sessions with industry stalwarts from January 4th to 8th. The initiative named as #ReportOfTrust aims to serve as ready reckoner for those corporates who are about to begin their sustainability reporting journey.

Mr. K Natarajan, Executive Director & COO, Galaxy Surfactants will inaugurate the podcast series on January 4,

2022, by sharing his thoughts on the topic of 'Introduction to Sustainability Reporting & its benefits'. The next day will see Mr. Olivier Tichit, Director - Sustainable Supply Chain, Musim Mas Group and a distinguished Board Member of Roundtable on Sustainable Palm Oil (RSPO), speak on the theme of 'Challenges of Sustainability Reporting & How to Overcome them'.

Following this, Mr. Ulhas Parlikar, Global Consultant on Waste Management will speak on January 6th on the subject 'Can your company also start its sustainability reporting journey? How can you prepare yourselves to start your journey? While on Jan 7, Mr. Pravin Jadhav, Lead-Sustainability, Adani Green Energy Ltd. will share perspective on pertinent issue of 'How to start Sustainability Reporting'. The concluding session on January 8 will witness Mr. Chintan Haria, Head Product Development and Strategy, ICICI Prudential

AMC, enlighten the audience with his thoughts on 'How to use transparency and sustainability reporting to enable responsible business practices?'

On the occasion, Mr. K Natarajan, Executive Director & COO, Galaxy Surfactants said: "Our decade old journey in Sustainability Reporting is closely aligned with our business objective of empowering all our stakeholders to embrace an enhanced environment-conscious stature in line with key considerations under the purview of ESG. As we progress further on this journey, our firm belief is that we can make it an inclusive pursuit by sharing our learnings in the form of knowledge-sharing sessions with all those aspiring to initiate their march on Sustainability Reporting."

Source : Chemical Market



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

