

# CHEMICAL MARKET

JANUARY 2024

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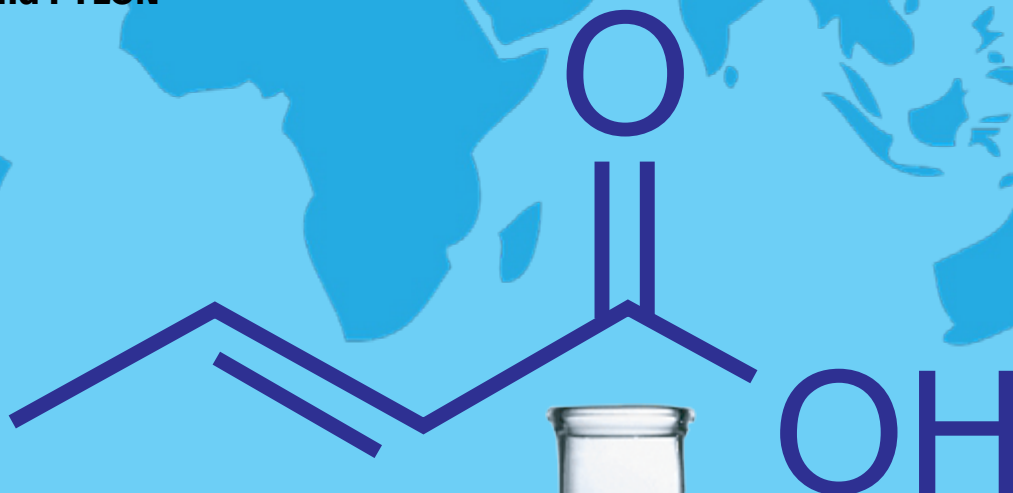
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
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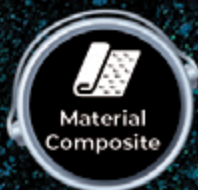


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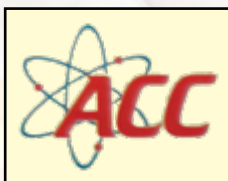


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# CHEMICAL MARKET

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## Global Trends and India's Economic Growth

Vibrant Gujarat, 2024 Global Summit made its mark by signing of 41,299 MoUs and investment proposals signed worth more than ₹26.33 lakh crore. As per our home minister, Mr. Amit Shah, the country's mastermind for economic and political growth, India is currently the most preferred destination for production and investments. Mr. Bhupendra Patel, Gujarat's Chief Minister conveyed via a post on X, that "Under the guidance of Honorable Prime Minister Shri Narendra Modi, Vibrant Gujarat Global Summit 2024 has created a new record. In the Vibrant Summit postponed due to the coronavirus epidemic in the year 2022, MoUs worth ₹18.87 lakh crore for 57,241 projects were signed." This makes it a total of ₹45.2 lakh crore worth of MoUs for 98,540 projects since 2022. A total of 130,000 participants from 140 countries registered for the Vibrant Gujarat Summit. According to RIL Chairman, Mr. Mukesh Ambani, "India will become a \$35 trillion economy by 2047. Reliance will continue to play a leading role in Gujarat's growth story with significant investments in the next 10 years. Specifically, Reliance will contribute to making Gujarat a global leader in green growth. We will help Gujarat target to meet half of its energy needs through renewable energy by 2030"

SJ Haider, additional chief secretary of industries and mines department, said that 35 countries came onboard as partner nations for the three-day VGGS, up from 15 during the event in 2019. The senior official said that Vibrant Gujarat is no longer just an event for business networking or strategic partnership but has emerged as a forum for global priorities and concerns and to discuss concepts like 'Viksit Bharat' and 'PM Gati Shakti'. The MoUs have been signed in different sectors, with the highest number of such documents inked in areas related to sustainability, green hydrogen and derivatives, renewable energy, circular economy, etc., he added. The Gujarat government had earlier said that it has so far signed 234 MoUs proposing investments of Rs 10.31 trillion with a potential to generate around 1,300,000 jobs.

"I am quite confident that India can achieve 5 trillion dollar economy target. We will continue to expand our business in steel & mining, and we are also entering into renewable energy. We've signed big MoUs", asserted Lakshmi Mittal, Executive Chairman of ArcelorMittal. The world will not be able to reach the sustainable development goals if India is not part of it and not participating. Therefore, we (Norway) think that it is really important to support India in the very ambitious goals that they have for sustainable development," said May-Elin Stener, Ambassador of Norway to India, on the sidelines of Vibrant Gujarat Summit 2024. Finance Minister Nirmala Sitharaman, said "More than 50 crore Indians have bank accounts at present compared to 15 crore in 2014. India is the third largest economy in the world, GDP to cross \$5 trillion by 2027-28" Also, Prime Minister Narendra Modi holds a bilateral meeting with Prime Minister of the Czech Republic Petr Fiala in Gandhinagar, Gujarat.

"I came to India in 2003 and set up a company with five people. We have grown to 3,500 professionals. I came to the very first Vibrant Gujarat (Summit) as a delegate and fell in love with the people of Gujarat," said QX Global Group Chairman Chris Robinson. Australia's High Commissioner to India, Philip Green said, "We in Australia are taking Vibrant Gujarat very seriously. We have got a delegation of 100 business people and that ranges across many industries from infrastructure investment to agritech and especially education. Today is a very big day for Australia in Gujarat because the very first foreign branch campus from any foreign university in the world will be inaugurated today here in Gift City by Deakin University from Australia. That makes all of us Australians very proud." Over next five years, Adani Group will invest over Rs 2 lakh cr in Gujarat, create 1 lakh jobs. At last summit, Adani Group made a commitment to invest Rs 55,000 cr; already invested over Rs 50,000 cr. A green energy park in Kutch having a 30 GW capacity spread over 25 sq km will be constructed.

Maruti Suzuki India (MSI) to invest Rs 35,000 crore to set up its second manufacturing facility in Gujarat. The new plant is expected to start operation in FY2028-29. First battery electric vehicle (BEV) from the Suzuki Group to be rolled out from

Suzuki Motor Gujarat by the end of this year. Suzuki Group will invest Rs 3,200 crore in Suzuki Motor Gujarat to add a new fourth production line. The fourth line is expected to start operation from FY2026-27. The automaker will start production of biogas from cow dung. First EV roll out of Gujarat Suzuki plant by end of this year. Tata to build a huge semiconductor fab in Gujarat's Dholera. Construction of a 20 gigawatt lithium ion storage battery factory in Sanand. Manufacturing C295 defence aircraft in Vadodra initially and later in Dholera. First phase of the Indian Institute of Skills to be launched by March 2024. Tata Sons Chairman N Chandrasekaran also shared insights into Tata Sons' foray into semiconductor manufacturing, disclosing that negotiations for a semiconductor fab in Dholera are in the final stages. Ryad Mezzour, the Minister of Industry & Commerce in Morocco, has expressed high praise for Bharat, stating that it stands out as the best and most competitive country in car production. Emphasising the strategic advantage of Bharat's ideal position as a continental and world-class hub, Mezzour sees a significant opportunity for collaboration. He envisions a close partnership between Morocco and Bharat through South-South triangular cooperation, aiming to foster growth not only in Africa and India but also on a global scale. Prime Minister of the Czech Republic, Petr Fiala, has outlined his government's focus on long-term strategic investments, emphasizing key areas such as AI research, electromobility, and semiconductors. Recognizing the pivotal role these technologies play in high-tech industries, from automobiles to mobile phones, the Czech government is keen on fostering innovation in these sectors. PM Fiala sees an opportunity for enhancing Czech-Indian collaboration in nuclear energy research.

Finance Minister of Nepal, Prakash Sharan Mahat, has announced a significant milestone in the energy collaboration between Nepal and India. The two nations have formally entered into a long-term power purchase agreement, aiming to export 10,000 MW of electricity to India over the next decade. This landmark agreement is expected to create substantial investment opportunities in the hydropower sector within Nepal. At the Vibrant Gujarat Global Summit 2024, Tiit Riisalo, the Minister of Economic Affairs and Information Technology from Estonia, expressed enthusiasm for collaboration with nations and regions that align with shared values, including democracy, the rule of law, and a market economy. At the Vibrant Gujarat Global Summit 2024, Vahan Kerobyan, the Minister of Economy of Armenia, emphasized the growing significance of economic collaboration between India and Armenia. He highlighted the dynamic nature of trade and investments between the two nations, considering it a pivotal aspect of their economic narrative. Sultan Ahmed Bin Sulayem, the Group Chairman and CEO of DP World, a multinational logistics company based in the United Arab Emirates, has outlined ambitious plans for the next three years. In addition to the existing \$3 billion investment, DP World intends to further contribute to Gujarat's economic growth. The company aims to achieve this by constructing a cutting-edge container terminal at Kandla Port, boasting a capacity of 2 million containers. Anticipating enhanced trade, increased employment opportunities, and strengthened cultural ties between India and the UAE, Bin Sulayem emphasized DP World's commitment to Gujarat's development.

Nvidia has announced its collaboration with Yotta Infrastructure to establish an artificial intelligence (AI) data center in Gujarat International Finance Tec-City (GIFT City). Micron, a global leader in semiconductor technology, is set to construct a world-class memory assembly and test facility in Gujarat. This groundbreaking initiative marks the first-of-its-kind endeavor in India, as confirmed by Micron CEO Sanjay Mehrotra. Singapore's to invest Rs 27,000 crore investment in India. Well, the list is long, but in a nutshell, the investments in India will make the economy grow manifold and we as the citizens have to make sure we deliver and make a positive impact in the world with our hardwork, determination and commitment for the next phase of growth in India and the world!

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



# Vinipul Inorganics Pvt. Ltd.

An ISO 9001:2015 & 14001:2015 Certified company

**Manufacturer of Inorganic Chemicals**

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

Mob : 8097064853 / 54

**Vinit Shah** - Director

[9322231817](tel:9322231817)

**Vipul Shah** - Director

[9867252610](tel:9867252610)

Website:- [www.vinipul.com](http://www.vinipul.com)

Email:- [vinit@vinipul.com](mailto:vinit@vinipul.com) / [umang@vinipul.com](mailto:umang@vinipul.com)






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**RATHEESH RAMANKUTTY**

Co-Founder &amp; CEO

 FF-01, Kishan Glory, Bill Kalali Road,  
Bill, Vadodra, Gujarat-391410.

Mobile : 8320457898 / 9428420709

**API PRODUCTS**

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

**INORGANIC PRODUCTS**

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

**QC ANALYTICAL IMPURITIES**

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


**Dilip Shah**

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

**We can purchase spent solvent Crud regularly**

 8, B/14, Eltee Apartment, Saibaba Nagar,  
Off S.V. Road, Mumbai-400092.

 Mob.: 8369411448 • E-mail : [dilipshah611960@gmail.com](mailto:dilipshah611960@gmail.com)

**Abhay D. Hingarh**  
Proprietor

# JOVIKA ENTERPRISE

- Ethyl Acetate
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- Thiourea
- Morpholine
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- Soda Ash
- Acetic Acid
- Caustic Flakes
- Caustic Lye
- Sodium Bi Sulphite
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**NIKAVA**  
PHARMACEUTICAL INDUSTRIES

Manufacturer of Pharmaceutical &amp; Fine Chemicals

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

**AMEE VORA - Export Manager**

Mob.: 9769984566

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

Tel.: +91-9653317212/8433630603

 Works: W-52, MIDC, Morivali,  
Ambernath (W), Dist. Thane,  
Pin-421505, Maharashtra.

Tel.: +91-7977054156

 E-mail : [nikavav@gmail.com](mailto:nikavav@gmail.com) / [info@nikava.in](mailto:info@nikava.in)

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• APG-Alkyl Polyglucoside • Benzophenone 3 & 4 • Carbomers Series - Rheology Modifier • Silicon Quaternium-22 Conditioning Agent

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• BKC 50% & 80%


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LBS Marg, Ghatkopar (West), Mumbai - 400086.  
Email: [kipchemicals@gmail.com](mailto:kipchemicals@gmail.com)


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at Village Padgha, Taluka Bhiwandi, District - Thane - 421101.  
Email : [chetan@chamyengg.com](mailto:chetan@chamyengg.com)

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- Acetic Acid
- Sodium Hydrochloride
- Aluminium Sulphate (Ferric and Non Ferric Alums)
- Hydrated Lime
- And Others as per customer requirement.

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Mobile:- **+91-9870001366**  
Email : [rangsarjan@gmail.com](mailto:rangsarjan@gmail.com)  
[rangsarjan.sales@gmail.com](mailto:rangsarjan.sales@gmail.com)

**Mr. Alpesh Maru**
**Mob.: 9824788545**

**Mr. Chandersh Maru**
**Mob: 9426155952 / 9104108545**
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- ♦ Caustic Soda Flakes ♦ Soda Ash Light ( Imported & Indian)
- ♦ Borex Pentahydrate ( Imported) ♦ Borex Deca ♦ Potassium Chloride (KCL) ♦ Potassium Carbonate ♦ Sodium Nitrate ( NaNO3)
- Imported ♦ Copper Sulphate 24% (Powder and crystal) ♦ Cobalt Sulphate Co-20% ♦ Ferrous Sulphate crystal 18% to 19% ♦ Ferrous Sulphate dried 30%.
- ♦ Manganese Sulphate 32% ♦ Magnesium Sulphate (Dried Powder) Mg 15% to 16% ♦ Magnesium Sulphate Monohydrate Powder. (17.5% to 18%) ♦ Magnesium Sulphate (hepta)9.6% ♦ Magnesium oxide(Mgo) Imported 85%to90% ♦ Zinc Sulphate (Hepta)21% ♦ Zinc Sulphate(Mono) 28% And 33%

C-1/B, 2419 Phase-3, Near. Bank of Baroda G.I.D.C.,  
Vapi -396195 Gujarat INDIA.  
Email:- [vapimaruchem@yahoo.co.in](mailto:vapimaruchem@yahoo.co.in) / [maru.2005@yahoo.in](mailto:maru.2005@yahoo.in)



MUMBAI PRICE TREND – 17.01.2024	
Organic & Inorganic Chemicals	Price (Rs/Kg)
Acetone	101+
Phenolic	99+
Sorbic Acid	400+
Propylene Glycol Tech	116+
Butyl Carbitol Oucc Tawan	151+
Butyl Carbitol Petronas	155+
Benzoic Acid Wuhan Youji	96+
Adipic Acid Haily	116
Acrylic Acid Sattelite/Sanmu	91
Butyl Cellosolve Lotte Korea Intact	154+
Cyclo Hexanone Tpcc Taiwan Intact	146+
Alphox 500	153+
MIBK	155
Toluene	91+
Benzene	87+
Ortho Xylen	98+
M. Xylene	92+
IPA.	132+
Meg	57+
Deg.	76+
Bam	133+
Methanol	34.75+
MTO.	78+

NBA	114+
Ethyl Acetate	94+
N. Proponal	95+
Pottasium Carbonate Imp	83+
DCDA	178+
SBC	1585+
Soda Ash	1540+
Acid	50+
Butyl	114+
B Cell	148+
DA	128+
DMA 40%	57+
EDC	45+
Hexane	70+
MCB	74+
MEK	115+
MMA 40%	49+
N Benzene	85+
N Pac	107+
Octonol	156+
Styrene	107+
VAM	86+
C9	97+
C Hexanone	139+
I Butanol	113+

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

**Broker in Chemicals & Solvents**

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

Mob. : 9869131022 / 7977251683 / 9224340945

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CHENNAI PRICE TREND – 17.08.2023		
Inorganic Chemicals	No of Units Per Pack	Price (Rs/Kg)
Acid Slurry (Soft)	50 Kgs	125.00
Alum- Ferric	50 Kgs	21.00
Ammonium Bicarbonate	25 Kgs	25.00
Ammonium Bi Fluoride [sugar-grade]	50 Kgs	178.00
Ammonium Carbonate	50 Kgs	88.00
Ammonium Chloride	50 Kgs	32.00
Ammonium Nitrate	50 Kgs	30.00
Ammonium Phosphate (Mono)	50 Kgs	135.00
Ammonium Sulphate	50 Kgs	22.00
Antimony Trioxide	50 Kgs	1050.00
Barium Chloride	50 Kgs	58.00
Bleaching Powder (33% Cl)	25 Kgs	14.00
Borax (Granular)	50 Kgs	72.00
Boric Acid (Tech.)	50 Kgs	108.00
Calcium Carbonate ( Activate)	50Kgs	18.00
Calcium Carbonate (Precipitated)	50 Kgs	17.00
Calcium Chloride Lump 70%	50 Kgs	14.00
Calcium Chloride-Anhydrous	50 Kgs	24.00
Camphor Oil	200 Litres	135.00
Caustic Potash (Flakes)	50 Kgs	95.00
Caustic Soda (Flakes)	25 Kgs	43.00
Caustic Soda (Prills)	50 Kgs	92.00
Chromic Acid Flakes	50 Kgs	320.00
Chlorinated Xylene	25 Kgs	85.00
Copper Sulphate	180 Kgs	220.00
Di ammonium Phosphate	50 Kgs	34.00
Diocetylmalite	180 Kgs	82.00
Ferric Chloride (Anhydrous)	Naked	39.00
Ferrous Sulphate – Crystals	50 Kgs	16.00
Hydrochloric Acid	Naked	6.00
Hydrogen Peroxide 50%	50 Kgs	34.00
Hyflosupercell	22.7 Kgs	138.00
Litharge	50 Kgs	220.00
Lithopone B301(China)	25 Kgs	112.00
Magnesium Carbonate (Indian)	50 Kgs	130.00
Magnesium Sulphate	50 Kgs	18.00
Mercury	34.5 Kgs	7800.00
Napthaline Balls	50 Kgs	130.00
Nickel Chloride	25 Kgs	625.00
Phosphoric Acid (85% Tech)	50 Kgs	105.00
Potassium Carbonate (Powder)	25 Kgs	178.00
Potassium Carbonate (Granules)	25 Kgs	100.00
Potassium Nitrate	50 Kgs	150.00
Potassium Permanganate [Tech]	50 Kgs	200.00
Potassium Permanganate [Pure]	50 Kgs	220.00
Potassium Phosphate (Di)	50 Kgs	158.00
S.I.E.S	50 Kgs	55.00

Soda Ash Light	50 Kgs	3400.00
Sodium Bicarbonate	50 Kgs	33.00
Sodium Bichromate	50 Kgs	190.00
Sodium Bisulphite	50 Kgs	45.00
Sodium Chlorite 50% (India)	50 Kgs	240.00
Sodium Chlorite 80% (India)	50 Kgs	280.00
Sodium Cyanide	50 Kgs	650.00
Sodium Fluoride	50 Kgs	150.00
Sodium Formate	50 Kgs	63.00
Sodium Hexameta Phosphate 68%	50 Kgs	132.00
Sodium Hydrosulphite [China]	50 Kgs	180.00
Sodium Metabisulphite	50 Kgs	45.00
Sodium Nitrate	50 Kgs	52.00
Sodium Nitrite (China)	50 Kgs	68.00
Sodium Silicate	Noted	28.50
Sodium Sulphate (Anhydrous)	50 Kgs	15.00
Sodium Sulphide 50-52% (Flakes)	50 Kgs	58.00
Sodium Sulphide 58-60% (Flakes)	50 Kgs	52.00
Sodium Sulphite 92%	50 Kgs	56.00
Sodium Tri polyphosphate	50 Kgs	103.00
Titanium Dioxide Anatase	25 Kgs	192.00
Titanium Dioxide (Rutile - R-902)	25 Kgs	255.00
Trisodium Phosphate	50 Kgs	42.00
Zinc Chloride Powder (Tech.)	50 Kgs	75.00
Zinc Oxide White Seal	50 Kgs	235.00
Zinc Stearate [Pure]	25 Kgs	190.00
Zinc Sulphate (Tech.)	50 Kgs	58.00
Organic Chemicals	No of Units Per Pack	Price (Rs/Kg)
Acetic Acid Glacial	35 Kgs	72.00
Acetone	160 Kgs	97.00
Benzene	196 Ltrs.	94.00
Benzyl Alcohol	200 Kgs	195.00
Bisphenol-A (Russian)	25 Kgs	180.00
Bisphenol-A (Russian)	170 Kgs	110.00
n-Butyl Acetate	165 Kgs	125.00
Butyl Cellosolve	195 Kgs	140.00
Camphor	25 Kgs	850.00
Cellosolve –Ethyl	195 Kgs	152.00
Chloroform	300 Kgs	42.00
Citric Acid (Anhy)	25 Kgs	85.00
Citric Acid (Mono)	25 Kgs	68.00
Cresote Oil	50 Kgs	64.00
Cyclohexanone	190 Kgs	150.00
D D Turpentine	200 Ltrs.	145.00
Diacetone Alcohol	195 Kgs	135.00
Diethylene Glycol	230 Kgs	88.00
Dimethyl Formamide	195 Kgs	100.00
Diocetyl Phthalate	200 Kgs	148.00
Di-Pentene	200 Kgs	92.00





EDTA Acid	25 Kgs	248.00
EDTA Disodium	25 Kgs	228.00
EDTA Tetrasodium	25 Kgs	228.00
Ethyl Acetate	185 kgs	102.00
Ethylene Dichloride	200 Kgs	60.00
Ethylene Glycol-mono	230 Kgs	63.00
Formaldehyde	65 Kgs	28.00
Formic Acid	35 Kgs	68.00
Formic Acid	250 Kgs	64.00
Hexamine – Tech	50 Kgs	100.00
n-Hexane	160 Litrs	64.00
Hydroquinone (Imported)	25 Kgs	1150.00
Isopropyl Alcohol	160 Kgs	160.00
Isopropyl Alcohol (Refill)	160 Kgs	135.00
Maleic Anhydride	25 Kgs	110.00
Methyl Ethyl Ketone	166 Kgs	117.00
Methyl Isobutyl Ketone	160 Kgs	165.00
Methyl Isobutyl Ketone (Refill)	160 Kgs	155.00
Methylene Dichloride	250 Kgs	54.00
Methylene Dichloride (Refill)	250 Kgs	48.00
Mineral Turpentine Oil	50 Kgs	105.00
Monochloro Phenol	50 Kgs	120.00
Nitrobenzene	200 Kgs	115.00
Octanol (2-ethylhexanol)	160 Kgs	135.00
Oleic Acid	50 Kgs	135.00
Oxalic Acid (Punjab)	50 Kgs	74.00

Paraffin Wax ( White)	50 Kgs	123.00
Para formaldehyde 91%	25 Kgs	115.00
Perchloroethylene	320 Kgs	155.00
Phenyl Liquid	230 Kgs	120.00
Phthalic anhydride	25 Kgs	115.00
Pine Oil 22%	200 Litrs	110.00
Pine Oil 40%	200 Litrs	190.00
Polyethelene Glycol 400	230 Kgs	118.00
Polyethelene Glycol 600	230 Kgs	140.00
Propylene Glycol	215 Kgs	125.00
Poly Aluminium Chloride	25 Kgs	36.00
Red Lead	50 Kgs	220.00
Renine	180 Kgs	72.00
Rosin	17 Kgs	125.00
Sodium Acetate	50 Kgs	32.00
Sodium Benzoate	50 Kgs	105.00
Sorbitol	250 Kgs	50.00
Stearic Acid ( cosmetic)	50 Kgs	130.00
Styrene Monomer	185 Kgs	115.00
Terpeneol Perfumery	25 Litrs	260.00
Thiourea	25 Kgs	250.00
Toluene	200 Ltrs	123.00
Trichloroethylene	280 Kgs	110.00
Triethanolamine	210 Kgs	115.00
Vinyl Acetate Monomer	185 Kgs	115.00
Xylene Mixed	185 Kgs	108.00
O-Xylene	185 Kgs	118.00

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

**M/S. CHEMICAL (INDIA) COMPANY**

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

Phone : +91-44-26611911/044- 26611912/ 044-26611913 E-mail : [contact@cicchennai.com](mailto:contact@cicchennai.com)/ [chemicalsindiacompany@gmail.com](mailto:chemicalsindiacompany@gmail.com)

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Product Name	Qty	Grade
geranium china distributor	1000 Kgs	NA 
Details : i want to buy perfumery chemicals from china distributors		


Product Name	Qty	Grade
DI-ETHANOL AMINE, LIQ-UID	2000 Gallons	Industrial 
Details : Please quote the best price with lead time & COA/MSDS.		


Product Name	Qty	Grade
Monoethanolamine, Liquid	60000 Kgs	Industrial 
Details : Please quote the best price with lead time & COA/MSDS.		


Product Name	Qty	Grade
MEA 	96 Tonnes	Industrial
Details : Please quote the best price with lead time & COA/MSDS.		


Product Name	Qty	Grade
Boric Acid	3 Cans	Any 
Details : Please quote the best price with lead time & COA/MSDS.		


Product Name	Qty	Grade
Reagent, Pyridine-Free 	2 Cans	Any
Details : Please quote the best price with lead time & COA/MSDS.		


Product Name	Qty	Grade
Silver Nitrate,Cvs 0.1,Am-poule 	2 Packets	Industrial
Details : Please quote the best price with lead time & COA/MSDS.		


Product Name	Qty	Grade
Indicator, Universal 	10 Cans	Any
Details : Please quote the best price with lead time & COA/MSDS.		

Product Name	Qty	Grade
Glycerol	4 Cans	Any 
Details : Please quote the best price with lead time & COA/MSDS.		


Product Name	Qty	Grade
Normal Heptane 99.5%	10 Cans	Any 
Details : Please quote the best price with lead time & COA/MSDS.		


Product Name	Qty	Grade
Methanol 99.8%	30 Cans	Any 
Details : Please quote the best price with lead time & COA/MSDS.		


Product Name	Qty	Grade
Di-Methyl Disulphide, Liquid	5500 Gallons	Industrial 
Details : Please quote the best price with lead time & COA/MSDS.		

Product Name	Qty	Grade
Cyanuric acid CAS No:- 108-80-5	15 Tonnes	Industrial 
Details : Please quote the best price with lead time & COA/MSDS.		

Product Name	Qty	Grade
Malononitrile (pro-panedinitrile) 	5 Kgs	Industrial
Details : Please quote the best price with lead time & COA.		

Product Name	Qty	Grade
Propylene Glycol 	20 Drums	Industrial
Details : Barrier Fluid Properties:- DENSITY AT 15 DEG C: @20 C= 1.0362, Boiling Point, 185°C Viscosity:- @ 25 degC, 46mPas, Flash Point:- >100°C, Ignition temp:- 371°C, Description:- Please quote the best price with lead time & COA/MSDS.		

Product Name	Qty	Grade
Dichloromethane 	4 Cans	Industrial
Details : SIZE: 2.5 Liter Bottle PURITY - 99.8%, Please quote the best price with lead time & COA/MSDS.		

Product Name	Qty	Grade
ISO Propanol 	25 Drums	Industrial
Details : Purity- ≥ 99.7%, Grade: 2-Propanol Analar NOR-MAPUR ACS, Reag. Ph. Eur. analytical reagent, Please quote the best price with lead time & COA/MSDS.		




# Buy Enquiries

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

Product Name	Qty	Grade
Xylene A.R 	10 Drums	Industrial


Details : ANALYTICAL REAGENT GRADE:- AS-SAY-99.9% Please quote the best price with lead time & COA/MSDS.

Product Name	Qty	Grade
Dimethylaminopropylamine (DMAPA) CAS Number:- 	5000 Kgs	Industrial


Details : Mol Formula:- C5H14N2 Please quote the best price with lead time, Sample required & COA/MSDS.

Product Name	Qty	Grade
Sodium Hypochloride 	120 Kgs	Industrial


Details : Need Quotation asap

Product Name	Qty	Grade
Hydrofluoric Acid 	40 Kgs	Industrial


Details : Need Quotation asap

Product Name	Qty	Grade
Boric Acid 	40 Kgs	Industrial


Details : Need Quotation asap

Product Name	Qty	Grade
Acetic Acid Industrial grade 	40 Kgs	Industrial


Details : Need Quotation asap

Product Name	Qty	Grade
CORRIUM Z-199 	2	Industrial


Details : Please quote the best price with lead time & COA.

Product Name	Qty	Grade
Mineral Hydrocarbon Oil 	500 Tonnes	Industrial


Details : Parameters Required 0.810 to 0.820 Density 30 to 40 Flash

Product Name	Qty	Grade
Perfume 	10 Kgs	Industrial


Details : Please quote the best price with lead time COA & MSDS

Product Name	Qty	Grade
Dye 	10 Kgs	Industrial


Details : Please quote the best price with lead time COA & MSDS

Product Name	Qty	Grade
Optical Brightener 	10 Kgs	Industrial


Details : Please quote the best price with lead time COA & MSDS

Product Name	Qty	Grade
Enzyme 	10 Kgs	Industrial


Details : Please quote the best price with lead time COA & MSDS

Product Name	Qty	Grade
Mikon ATC - activator this is a brand name 	10 Kgs	Industrial


Details : Please quote the best price with lead time COA & MSDS

Product Name	Qty	Grade
Na4EDTA 	10 Kgs	Industrial


Details : Please quote the best price with lead time COA & MSDS

Product Name	Qty	Grade
Aminomethane CAS#:- 77-86-1 	4 Tones	None


Details : Pharma application

Product Name	Qty	Grade
TALL OIL 	1 Tones	Industrial


Details : Please inform best price, also please share it's GC & lab analysis report & it's COA.

Product Name	Qty	Grade
Methacryloyl Chloride CAS# :- 920-46-7 	500 Kgs	Industrial

Details : Please share your best offer on basis FOR Ahmedabad along with the COA, delivery time, packing detail and payment terms.


Product Name	Qty	Grade
Methacryloyl Chloride CAS# :- 920-46-7 	500 Kgs	Industrial


Details : Please share your best offer on basis FOR Ahmedabad along with the COA, delivery time, packing detail and payment terms.

Product Name	Qty	Grade
Succinic Acid 99%-food grade chemical 	80 Kgs	Industrial


Details : Food Grade Chemical



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

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

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

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





# Buy Enquiries

Product Name	Qty	Grade
Bromoacetaldehyde Dimethyl Acetal CAS NO:- 7252-83-7	500 Kgs	Industrial
Details : We have the following requirement kindly send your best offer for the same with the lead time and specifications.		

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

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

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

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

Post your BUY Enquiries:

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

Product Name	Qty	Grade
Methane Sulphonic Anhydride CAS NO:- 7143-01-3	30 Kgs	Industrial
Details : Please quote the best price.		

Product Name	Qty	Grade
5-Fluorocytosine CAS# :- 2022-85-7	500 Kgs	Industrial
Delivery: CIP MUMBAI AIR Descripton:- Pls send best quote along with delivery period.		

Product Name	Qty	Grade
Manganese Dioxide (90%) CAS# :- 1313-13-9	12 Tonnes	Technical
Payment terms : 1 Month Description:- Please send best quote along with COA/MSDS, & 4 Kg Sample required for testing purpose.		

Product Name	Qty	Grade
1-Iodo-2,2-dimethylpropane CAS# :- 15501-33-4	500 Tonnes	Industrial
Details : 1. Quote us your best CIF Air (Shanghai, China) price. 2. Advise us the shortest leading time. 3. Attach your recent batch COA for quality approval.		

Product Name	Qty	Grade
Detergent Solvent "Solveso 100 (C4 163-180 GOST 10214-78)	2000 Ltrs	None
Solvent 646 GOST 18188-72	90 Ltrs	None
Leads : 1. Technical documentation such as drawings, datasheets and etc./ if applicable 2. All applicable material certificates (COC, MTC, Calibration, etc.,) 3. Exact or approximate packing information and HS codes. 4. Delivery term we prefer FCA or DAP Baku & for EXW term Pick-up Address. 5. Price offer should be valid 1 month. Other Technical Details:- Color - transparent or yellowish Density at 200C - 0.860 gr./m3 Volatility (based on xylene) - 8 - 15 Sulfur content - 0.020% Ignition temperature (open crucible) - 270C		

Product Name	Qty	Grade
PeCeVis 100 PS // 39069090 // MBCC Group	1 Tonnes	Any
Leads : Broadways Chemtech		

Product Name	Qty	Grade
Potassium Chloride CAS#:- 7447-40-7	100 Tonnes	Industrial
Details : By product low grade.		



# Industrial Coatings Market Sees Emerging Trends and Growth in Eco-Friendly Products and Automotive Industry Adoption

DUBLIN, Dec. 20, 2023 /PRNews-wire/ -- The "Industrial Coatings Market by Product, Technology, End User, and Region 2023-2028" report has been added to ResearchAndMarkets.com's offering.

The global industrial coatings market size reached US\$ 110 Billion in 2022 and is forecast to reach US\$ 131.8 Billion by 2028, exhibiting a growth rate (CAGR) of 3.0% during 2023-2028.

The ongoing industrialization across various regions, particularly in emerging economies, is driving the demand for industrial coatings. Industries such as aerospace, manufacturing, construction, and marine rely heavily on coatings to protect and enhance the durability, aesthetics, and functionality of

their products and infrastructure. In addition, the surging need for protective coatings to safeguard industrial equipment, machinery, and structures against corrosion, abrasion, chemicals, and weathering to prevent damage, improve longevity, and maintain operational efficiency represents another major growth-inducing factor. Besides this, stringent environmental regulations imposed by governments and regulatory bodies have accelerated the shift toward eco-friendly and sustainable and low volatile organic compounds coatings and other environmentally friendly formulations.

This, coupled with the advent of nanotechnology, powder coatings, high-performance polymers, and smart coatings that offer improved functionality, en-

hanced performance, and cost-effectiveness, catering to evolving customer needs and requirements, is positively influencing the market growth. Moreover, the market is also propelled by the increasing infrastructure development projects, including the construction of roads, bridges, buildings, and public utilities. Furthermore, the automotive industry is a significant consumer of industrial coatings, including coatings for automotive parts, body panels, and vehicles which is also augmenting the market growth.

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

If you want your report abstract to be published please contact [info@chemicalmarket.net](mailto:info@chemicalmarket.net)

# Diamond-like Carbon (DLC) Coatings Global Market Report 2024 - Benchmarking of DLC Capabilities vs. Alternate Coatings (TiN, CrN and More)

DUBLIN, Dec. 18, 2023 /PRNews-wire/ Diamond-like carbon (DLC) coatings are amorphous carbon material which exhibits typical properties of diamond such as hardness and low coefficient of friction, characterized based on the sp<sup>3</sup> bonded carbon and structure. They exhibit unique combination of high hardness, low friction, chemical inertness, smoothness, optical transparency and tunability. These precision multifunctional property combi-

nations enable micron-thick DLC films to enhance longevity and performance across the most demanding mechanical and electro-optical components where unprotected surfaces previously failed prematurely.

The Global Market for Diamond-like Carbon (DLC) Coatings provides quantitative revenue forecasts from 2018-2034, segmented by major end-use markets such as automotive, medical

devices, machinery, tools, injection molds, optics and energy. Regional market value predictions are also included.

The report offers technology overviews explaining DLC coating properties, classifications, deposition processes and performance comparisons to substitutes like TiN, CrN etc. In-depth application-specific assessments discuss composite layer advantages, ROI considerations, TRL status analysis and



SWOT evaluation across key sectors - automotive engine parts, cutting tools, biomedical implants, injection molds for electronics housings, precision optics and solar panel glass coatings. 24 leading DLC coating manufacturers are

profiled in detail spanning capabilities, technologies leveraged and target industries served worldwide. The competitive landscape mapping assists strategic partnership considerations and technology comparisons.

Read the full report : <https://www.researchandmarkets.com/r/oz2r6g>

If you want your report abstract to be published please contact [info@chemicalmarket.net](mailto:info@chemicalmarket.net)

## Global Polyurea Coatings Market Projected to Reach \$1.8 Billion by 2028 with Notable Expansion in Construction and Landscaping Sectors

**D**UBLIN, Dec. 20, 2023 /PRNews-wire/ -- The "Polyurea Coatings Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028" report has been added to ResearchAndMarkets.com's offering.

The global polyurea coatings market size reached US\$ 1.1 Billion in 2022 and is forecast to reach US\$ 1.8 Billion by 2028, exhibiting a growth rate (CAGR) of 8% during 2023-2028.

The global market is majorly driven by considerable growth in the construc-

tion and landscaping industries. In addition to this, continual technological developments in coating processes and techniques are providing an impetus to the market growth. Moreover, the rising deployment of premium waterproofing coating in residential buildings is also acting as a significant growth-inducing factor for the market.

The market is further propelled by the growing expenditure on lining systems for environmental protection, such as landfill controls, as a result of stringent regulations imposed by the govern-

ments of numerous countries to minimize pollution. Some of the other factors contributing to the market include rapid urbanization and industrialization, expanding infrastructural development, the inflating disposable income levels of the consumers, and extensive research and development (R&D) activities.

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

If you want your report abstract to be published please contact [info@chemicalmarket.net](mailto:info@chemicalmarket.net)

## Global Dimer Acids Strategic Business Report 2023 - Promising Growth of Oilfield Chemicals to Boost Dimer Acid Consumption

**D**UBLIN, Dec. 29, 2023 /PRNews-wire/ -- The "Dimer Acids - Global Strategic Business Report" has been added to ResearchAndMarkets.com's offering.

The global market for Dimer Acids estimated at US\$688.6 Million in the year 2022, is projected to reach a revised size of US\$1 Billion by 2030, growing at a CAGR of 4.9% over the analysis period 2022-2030.

Standard, one of the segments analyzed in the report, is projected to record 4.4%

CAGR and reach US\$481 Million by the end of the analysis period. Growth in the Distilled segment is estimated at 5.2% CAGR for the next 8-year period.

The U.S. Market is Estimated at \$159.4 Million, While China is Forecast to Grow at 6.6% CAGR

The Dimer Acids market in the U.S. is estimated at US\$159.4 Million in the year 2022. China, the world's second largest economy, is forecast to reach a projected market size of US\$252.8 Million by the year 2030 trailing a CAGR

of 6.6% over the analysis period 2022 to 2030. Among the other noteworthy geographic markets are Japan and Canada, each forecast to grow at 3.1% and 4.3% respectively over the 2022-2030 period. Within Europe, Germany is forecast to grow at approximately 4% CAGR.

Read the full report : <https://www.researchandmarkets.com/r/246j32>

If you want your report abstract to be published please contact [info@chemicalmarket.net](mailto:info@chemicalmarket.net)



# Univar Solutions Strengthens Beauty and Personal Care Ingredients Portfolio with Functional Actives through New, Exclusive Partnership with ImDerma Laboratories, Co. Ltd.

DOWNERS GROVE, Ill., Dec. 18, 2023 /PRNewswire/ -- Univar Solutions Inc. ("Univar Solutions" or "the Company"), a leading global solutions provider to users of specialty ingredients and chemicals, announced an exclusive distribution agreement with ImDerma Laboratories, Co. Ltd. ("ImDerma") in the United States. ImDerma is a cosmetic actives producer for the beauty and personal care industry with an array of botanical actives and functional ingredients, including the Imdermalab® Peptide X™ and MolecuPure purified botanical actives series.

"We are excited to offer ImDerma's portfolio of sustainably sourced, innovative cosmetic actives to the U.S. beauty care market," said James Peterson, global vice president of beauty and personal care for Univar Solutions. "Today, beauty brands can differentiate themselves in the market by providing products that contain unique cosmetic actives, which bring many benefits to consumers, such as anti-aging, anti-inflammatory, antioxidant, skin brightening, and lightening properties. The addition of the ImDerma product line to our portfolio

will allow beauty brands to access novel technologies while simultaneously accelerating the industry's shift toward sustainable solutions."

The agreement will support applications in skin care, sun care, and color cosmetics as well as offer sustainably sourced botanicals using green extraction technology. Working together with supplier partners like ImDerma, Univar Solutions goes beyond traditional ingredient distribution, bringing ingredients to life through pioneering concept formulas and technical expertise, and providing customers with unique, inspiring, and authentic beauty and personal care formulations. Using dermal and analytic science to support ingredient development, ImDerma offers a range of unique botanical cosmetic actives and other innovative functional ingredients and solutions using an exclusive green extraction technology with high purity and no irritants.

**"We are pleased to announce our partnership with Univar Solutions in the U.S.," said Mark Huang, CEO for ImDerma. "As a research-orient-**

**ed company, our primary focus is on developing innovative products and solutions for the personal care industry. With Univar Solutions' expertise in sales, marketing, formulations, and customer service, we are excited to bring our ImDerma ingredients into North America. This partnership will also strengthen our position for future growth with access to their distribution and transportation network."**

Univar Solutions' specialized beauty and personal care business serves sun care, skin care, color cosmetics, and hair care customers with a suite of customized products and services. Supported by its transportation network, a global distribution footprint, and supply chain expertise, Univar Solutions delivers a comprehensive customer experience, from product development through ongoing brand support with Solution Centers and specialized laboratories located in Houston, Texas and Charlotte, North Carolina.

Source : PRNewswire

## Tackling Global Resource Security with OQ's Latest Polymer Innovations

- OQ to showcase latest polymer portfolio innovations at Arabplast 2023 in Hall 4/C110
- New additions to the OQ Luban polypropylene impact copolymer (ICP) portfolio as well as a new LL-DPE Rotomoulding offering OQ

Luban LL8446.21 will be launched to customers by the end of 2023.

Continued on Pg 47





## CATL'S SHENXING BATTERY WINS THE AUTOBEST 2024 AWARD

NINGDE, China, Dec. 15, 2023 / PRNewswire/ -- On December 15, the international jury panel of AUTOBEST announced that CATL's Shenxing battery has won the TECHNOBEST 2024 award following voting by jury members from 31 European nations. This is the first time a battery product has won the TECHNOBEST award, and CATL is the first China-based company to win this title.

AUTOBEST is among the most prestigious auto juries in Europe and has been giving awards since 2001. The jury recognized Shenxing battery for its disruptive innovation: "CATL launched Shenxing, the world's first 4C superfast charging LFP battery, capable of delivering 400 km of driving range with a 10-minute charge as well as a range of over 700 km on a single full charge. Shenxing is expected to considerably alleviate fast charging anxiety for EV users and opens up an era of EV superfast charging. Focusing on the very nature of electrochemistry, CATL continues its innovation in material and electrochemistry and system structure in an all-round way, achieving superfast charging, high energy density and high level of safety at the same time in a creative manner. Shenxing pushes beyond the boundaries of the performance of LFP chemistry, leading innovation in the battery industry."

**"CATL, led by the founder Robin Zeng, is a phenomenon in the battery industry, with many breakthrough**

**technologies. The last one, Shenxing, is another revolution proposed by CATL to the benefit of the customers all around the world who will have a much faster recharging time, a better energy density and a high level of safety," said Dan Vardie, the founder and chairman of AUTOBEST. "**

Shenxing battery was launched in August this year and will achieve mass production by the end of this year. As of now, CATL has established cooperation with various OEMs to supply Shenxing battery, including NETA, CHERY, BAIC BJEV, JIDU, VOYAH, and others. Electric vehicles equipped with Shenxing battery will be available on the market in the first quarter of 2024.

AUTOBEST jury selects awards each year through comprehensive tests including on-road and on-track driving sessions, which stand as the most intricate and comprehensive sets in contemporary motoring media. AUTOBEST has established several accolades, each representing a paramount recognition within its specific domain. Among these accolades, TECHNOBEST holds a pre-eminent position as the oldest, most authentic, and traditionally revered award. It is specifically dedicated to recognizing and celebrating the cutting-edge technologies in the automotive industry.

AUTOBEST jury presents awards in a different European country each year. The upcoming 23rd AUTOBEST Awards Gala will take place in May 2024 in Luxembourg.

Source : Contemporary Amperex Technology Co., Limited

## KPIT UNVEILS BREAKTHROUGH SODIUM-ION BATTERY TECHNOLOGY TO ALLEVIATE LITHIUM DEPENDENCY

- Sodium-ion battery tech offers an extended lifespan with 80% capacity retention for 3000-6000 cycles and faster charging capability as compared to Lithium batteries
- This indigenous battery technology's cornerstone is utilising earth-abundant raw materials, thereby making electric mobility more affordable
- Marks another milestone towards sustainable mobility in line with KPIT vision
- Builds on and compliments KPIT expertise in software development, integration and validation in vehicle electrification space

Pune, India | 12th Dec 2023 | NSE: KPITTECH BSE: 542651: KPIT Technologies, an independent software integration partner to the automotive and mobility ecosystem, unveils its Sodium (Na)-ion battery technology.

KPIT joins a small and elite group of sustainability-focused organisations worldwide that have developed sodium-ion-based battery technology. This battery technology promises to reduce import dependency on core battery materials. It has several use-cases for automotive and mobility, especially for electric two and 3-wheelers and commercial vehicles. It has promising applications in stationary deployments, such as UPS backups and grid storage, as well as in the marine and defence sectors.



This demonstrates the exemplary and synergetic industry-academia collaboration between KPIT and the Indian Institute of Science Education and Research (IISER), Pune. The IISER Pune team led by Dr. Satishchandra Ogale have made remarkable contributions to material synthesis, characterisation and battery testing.

**Commenting on this announcement, Ravi Pandit, Co-founder and Chairman of KPIT Technologies, said, "Sustainability is at the heart of KPIT's vision. We are working on multiple technologies to reimagine mobility and accelerate the push towards cleaner transportation. As the electric mobility ecosystem matured, we were cognizant of having alternate battery technologies and localising the storage value chain. Our Sodium-ion battery technology, completely reliant on Earth's abundant raw materials, is another testament to KPIT's commitment towards the sustainable mobility ecosystem. We look forward to partnering with manufacturing companies to commercialise this technology globally."**

KPIT has a strong foothold in software development, integration and validation for Electrification programs for global automotive leaders. Additionally, KPIT

has been pioneering sustainable and efficient energy storage system simulation, design, development and integration for over nine years. A team of PhDs and MTechs in Materials Science and Electrochemistry are behind the multiple global patents in the battery domain, 500K+ cycles of data tested on different chemistries and form factors, 500+ cell prototypes fabricated, 100+ production-intent cells fabricated and tested.

Source : Kpit

**SIGMA LITHIUM ENDS TRANSFORMATIONAL YEAR SHIPPING 22,000T OF THE MOST ENVIRONMENTALLY SUSTAINABLE LITHIUM IN WORLD; GREENTECH PLANT OPERATING AT DESIGN CAPACITY OF 270,000 TPY**

SÃO PAULO, Dec. 27, 2023 /PRNews-wire/ -- Sigma Lithium Corporation ("Sigma Lithium" or the "Company") (NASDAQ: SGML, BVMF: S2GM34, TSXV: SGML), a leading lithium producer dedicated to powering the next generation of electric vehicles with carbon neutral, Quintuple Zero Green Lithium concentrate, is proud to cap off an incredible year for the Company by loading one last shipment of 22,000 tonnes of concentrate to Glencore at the Port of Vitoria. Sigma Lithium's fifth shipment is expected to leave port by year-end.

Glencore will prepay 50% of the fifth shipment's value upon completion of loading. The 50% prepayment reflects a provisional premium price for the Com-

pany's unique Quintuple Zero Green Lithium concentrate.

Sigma Lithium has completed an incredible journey over the past twelve months, having gone from commissioning the crushing unit in December of 2022 on schedule and on budget, to sustaining nameplate production levels at its Greentech lithium concentrate plant in December 2023. Operating rates at these levels would support a monthly shipment cadence of roughly 22,000 tonnes through the course of 2024, annualizing approximately 270,000 tonnes of Quintuple Zero Green Lithium concentrate.

**Sigma Lithium CEO, Ana Cabral-Gardner commented, "We have a relentless, resilient team who has been working for years on a mission that has become our collective legacy: supporting the electric vehicle revolution by delivering the most sustainable lithium material in the world. In the process we became a better version of ourselves, transforming the lives of the people around us by providing economic**



**empowerment, inclusion, citizenship. We are laying**



**the foundation for common prosperity where metals, mining and metallurgical industries are fully embraced by communities as the drivers of technological and environmental innovation as well as positive social change. Our team has rarely set a foot wrong, nor missed our operational deadlines. We delivered on our promises, including those that seemed impossible at the time, such as achieving Carbon Neutrality / Net Zero 27 years ahead of the metal and mining industry."**

Ligia Seca, Director of Institutional Relations: "We carry an enormous sense of mission and purpose on our shoulders: There are over 13,000 people in our communities who are benefitting from Sigma Lithium's investments and growth. We continue to invest heavily in technology to be able to benefitiate our lithium concentrate in harmony with nature: Producing what has now become the most sustainable lithium in the world, honoring all the high expectations placed upon us by our country and our people. As a result, we have opened a whole new set of opportunities for Brazil to become a key participant in the most coveted global sustainable supply chains for battery materials."

Matthew DeYoe, EVP of Corporate Affairs & Strategic Development: "Sustaining production at nameplate capacity was the final step in gaining confidence that Sigma's operations have completed the ramp process. Our team overcame incredible challenges to deliver something that has never been done before,

a dry-stack tailing process with zero net carbon and 100% water reuse in the production circuit. I am incredibly proud of the work the site-team has done over the past year and I look forward to keeping the momentum going into 2024."

Source : Sigma Lithium

## **PANASONIC AND SILA SIGN AGREEMENT TO BRING SILA'S TITANIUM SILICON TO IMPROVE BATTERY PERFORMANCE FOR ELECTRIC VEHICLES**

Panasonic Energy Co., Ltd., a Panasonic Group company, and Sila, a next-generation battery materials company, today announced an agreement to commercialize Silas High-performance nanocomposite silicon anode, Titan Silicon TM, known. Panasonic's high energy density battery is designed to enable automakers to deliver unprecedented performance for electric vehicles, dramatically increasing vehicle range and reducing charging times. Sila's anode materials will be optimized for Panasonic's next generation of lithium-ion batteries and will be manufactured at the company's facility in Moses Lake, Washington.

Panasonic Energy is a global leader in automotive battery performance development, innovation and production. In order to meet the rapidly growing demand for electric vehicles, the global production capacity of electric car batteries is to be increased to 200 GWh by 30/31. The company has also announced that it will develop groundbreaking high-performance battery technology and achieve a volumetric energy density of 1000 Wh/L by 30/31. By partnering with Sila to optimize Titan Silicon's

proven performance enhancement, Panasonic Energy will be able to take a big step towards its 1000 Wh/L target.

"By combining Sila's breakthrough battery material and our advanced cell manufacturing capabilities, we believe we can address concerns such as fear of short ranges and long charging times and help accelerate EV adoption," said Shoichiro Watanabe, Executive Vice President of Panasonic Energy.

**"As the world's leading battery technology company, Panasonic is aggressively pushing the boundaries of performance, and we look forward to optimizing Titan Silicon to achieve these goals," said Gene Berdichevsky, co-founder and CEO of Sila. "This partnership represents a significant milestone for Sila, our customers and the entire industry and will be instrumental in accelerating consumer adoption of electric vehicles."**

With the introduction of titanium-silicon in WHOOP 4.0 in 2021, Sila was the first company to bring next-generation anode materials to market. In 2022, the company became the first manufacturer of next-generation battery materials to sign a supply agreement with global automobile manufacturer Mercedes Benz. Now Sila is working with the world's leading cell manufacturer to redefine the range and charging times of electric vehicles.

Silas titanium silicon is the first market-proven graphite anode replacement designed for mass production and high





performance. The previous 20% higher range is to be doubled. The charging time of the batteries is also improved using Silas nanocomposite silicon, with the aim of reducing charging time to just ten minutes. Titanium silicon produces significantly less CO<sub>2</sub> per kWh than graphite and is made in the United States, allowing automakers to meet Inflation Reduction Act tax credit requirements.

Source : Automotive Technology

## GOODYEAR INTRODUCES GOODYEAR® ELECTRICDRIVE™ 2 WITH ELEVATED PERFORMANCE CAPABILITY AND SUSTAINABLE MATERIALS

**A**KRON, Ohio, Jan. 9, 2024 / APNewsWire/ -- At CES® 2024, The Goodyear Tire & Rubber Company (NASDAQ: GT) unveiled the latest tire in the ElectricDrive™ family: The Goodyear® ElectricDrive™ 2, an all-season electric vehicle (EV) tire enhanced with sustainable materials<sup>1</sup>, improved rolling resistance<sup>2</sup> and long-lasting tread life to maximize drivers' EV performance. The new ElectricDrive™ 2 is the latest step in Goodyear's sustainability maturity and contains at least 50% sustainable materials per tire by weight<sup>1</sup>, 3.

According to recent consumer EV research conducted by Goodyear<sup>4</sup>, maintaining a quiet ride and wet road performance are the top two features that EV owners look for when considering a tire. To meet drivers' needs, the ElectricDrive™ 2 features SoundComfort Tech-

nology®, a built-in sound barrier that helps reduce interior vehicle noise and an asymmetric tread pattern that provides confident handling for wet or dry road conditions.



**"With the continued adoption of EVs, we want to meet consumer and market needs with an updated EV replacement tire," said David Reese, vice president, Product Development, Goodyear Americas. "We**



**know EV drivers prioritize performance and a more-sustainable tire. The ElectricDrive™ 2 was designed with at least 50% sustainable materials, a focus on providing greater**

**traction and maintaining a quiet ride."**

This all-season tire will be available beginning May 2024 in the U.S. and come in 17 sizes designed to fit today's leading and emerging consumer EV sedans and CUVs, including the Tesla Models Y, 3 and S, Ford Mustang Mach-E, Chevy Bolt, Audi Q4 e-tron and many more.

The ElectricDrive™ 2 is equipped with the following features and benefits:

- SoundComfort Technology® foam inserts that help reduce the level of interior vehicle sound.
- At least 50% sustainable materials<sup>1</sup>, 3, including the use of soybean oil in the tire's construction, rice husk ash silica and sustainably sourced natural rubber.
- Asymmetric tread pattern that is optimized to improve grip and responsiveness on wet and dry roads.
- Long-lasting tread compound, designed with resilience in mind to help EV drivers get more miles out of their tires.
- Aerodynamic sidewall and innovative compound that lowers aerodynamic drag and enables lower rolling resistance<sup>2</sup>.

The ElectricDrive™ 2 will be available for purchase in May 2024. For more information about the ElectricDrive™ 2, please visit [www.goodyear.com](http://www.goodyear.com) or contact your local Goodyear authorized dealer.

Source : PRNewswire





## ASAHI KASEI DEVELOPS NOVEL MEMBRANE SYSTEM TO DEHYDRATE ORGANIC SOLVENTS WITHOUT HEAT OR PRESSURE – CONTRIBUTING TO PROCESS OPTIMIZATION IN THE PHARMACEUTICAL INDUSTRY

Düsseldorf and Tokyo, 13 December 2023 – Asahi Kasei has developed a novel membrane system for dehydrating organic solvents for pharmaceutical applications without the application of heat or pressure. This system can contribute to the optimization of manufacturing processes in the pharmaceutical industry. The company has now begun collaborating with Ono Pharmaceutical Co., Ltd., of Osaka, Japan, for the practical verification of this system.

Used to dissolve active ingredients, organic solvents play an essential role in the manufacturing process of pharmaceuticals. To achieve the desired results in various processes such as reactions and crystallization, such solvents need to be dehydrated. Standard dehydration methods such as vacuum distillation require the application of heat. These methods are not only time- and energy-intensive, but may also have undesired effects on the pharmaceutical intermediates contained in the organic solution, especially those which are sensitive to heat.

Asahi Kasei is a global manufacturer of membranes which are utilized in various industries, including virus removal filters and water treatment membranes. The company has now further leveraged its expertise to develop a novel dehydration membrane system including a hollow-fiber module and draw solution for organic solvents in the pharmaceutical manufacturing process. This system utilizes the phenomenon of osmosis, in which a liquid moves through a semi-permeable membrane due to concentration differences. The development of the forward osmosis membrane and the draw solution enables the removal of water without the loss of pharmaceutical intermediates.

**Being able to handle highly soluble liquids such as tetrahydrofuran (THF), toluene, or methanol this membrane system can dehydrate organic solvents below 1,000 ppm without applying heat or pressure, thereby minimizing the impact on heat-sensitive pharmaceutical intermediates. In addition, compared to the conventional technology of vacuum distillation, the process time required can be shortened and energy consumption can be significantly reduced. The membrane system can be used with a variety of organic solvents, including alcohols, ethers, esters, and hydrocarbons.**

Source : Asahi Kasei

## NEWTON DENTIST UTILIZES ORAL APPLIANCE THERAPY TO TREAT SLEEPING

NEWTON, Mass., Dec. 28, 2023 / PRNewswire/ -- Newton Dentistry provides a range of treatment options for snoring patients and sleep apnea patients. Dr. Yoon Ji Jang, who has experience in dental sleep medicine as well as sedation, provides sleep apnea treatment as an alternative to continuous positive airway pressure (CPAP). For more information about the dental appliances the clinic offers, including custom sleep apnea appliances, please visit [www.newtondentistryma.com/](http://www.newtondentistryma.com/).

About 50% of Americans aged 40-60 suffer from sleep disorders, according to medical research. Snoring is a symptom of sleep apnea, a serious, potentially fatal medical condition. Not only is sleep apnea a major health risk, but it also goes undetected and can cause irregular heartbeats, hypertension, daytime sleepiness, diabetes, headache, muscle pain and even stroke.

**Snoring happens when the soft tissues that surround the nasal airway come close together, causing a partial blockage or obstruction, followed by vibrations. CPAP is the best treatment for serious sleep apnea, but oral appliance therapy is the simplest and most FDA-approved treatment for patients who can't tolerate it. At Newton Dentistry, our dental team is trained to install and maintain a wide selection of oral devices that keep the tongue below the nasal airway, providing positive airway space for sleep apnea and sleepiness.**

Source : Newton Dentistry



## **DR. DHAVAL SHAH SCHOLARSHIP FOR FUTURE DOCTORS OPENS DOORS TO ASPIRING MEDICAL LEADERS IN LAS VEGAS, NEVADA**

**L**AS VEGAS, Dec. 29, 2023 /PRNews-wire/ -- The esteemed Dr. Dhaval Shah, MD, a prominent figure in the medical field, announces the launch of the Dr. Dhaval Shah Scholarship for Future Doctors. This distinguished scholarship, founded by Dr. Dhaval Shah, is designed to support and recognize the academic prowess, unwavering commitment, and visionary aspirations of students pursuing a career in medicine.

Aspiring undergraduate students, along with high school seniors planning to embark on a journey towards a medical degree, are invited to apply for this prestigious scholarship opportunity. Valued at \$1,000, this one-time award aims to encourage and empower the next generation of medical professionals in their pursuit of excellence.

**The scholarship criteria are meticulously crafted to identify individuals who epitomize the qualities and values championed by Dr. Dhaval Shah. Applicants must exhibit an unyielding commitment to personal growth, continuously striving to expand their knowledge and skills within the medical domain. Furthermore, candidates**

**are requested to submit an insightful essay that addresses a significant challenge currently faced by the healthcare industry while proposing innovative solutions to tackle it effectively.**

Dr. Dhaval Shah, known for his outstanding contributions to healthcare and medical research, emphasizes the importance of embodying compassion, innovation, and dedication—values that echo through this esteemed scholarship. Dr. Shah's dedication to advancing the medical field is evident through his multifaceted roles and unwavering commitment to patient care, education, and healthcare administration.

The deadline to apply for the Dr. Dhaval Shah Scholarship for Future Doctors is June 15, 2024. The selection process will culminate in the announcement of the scholarship recipient on July 15, 2024.

For more information about the scholarship eligibility criteria and the application process, please visit <https://drdhaavalshahscholarship.com/dr-dhaaval-shah-scholarship/>.

Source : Dr Dhaval Shah Scholarship

## **JAPAN'S SHIMADZU CORPORATION AUTOMATES COATING PROCESS FOR MEDICAL SYSTEM COMPONENTS**

**R**ecently, Shimane Shimadzu, the manufacturing subsidiary of Japan's Shimadzu Corporation in Shimane Prefecture, held an opening ceremony for a new building.

The new building incorporates various manufacturing digital transformation measures, including automated coating processes for medical system components. Automation of the coating process will increase Shimadzu Corporation's coating production capacity by 50%.

Shimane Shimadzu is the manufacturing subsidiary of X-ray systems developed by the Medical Systems Division of Shimadzu Corporation. With the new building, Shimadzu Corporation is now able to coat a large number of parts for general radiography systems, fluoroscopy systems, mobile X-ray systems and other X-ray products on one production line.

In addition to the process embodied in transferring parts between coating process steps and loading them into automated coating equipment, radio frequency identification (RFID) tags will be used to assign different manufacturing instructions to each part, and artificial intelligence will be used to automatically detect errors.

Additionally, a reuse system for overspray powder coating has been introduced to eliminate the disposal of waste powder. For welding processes, robots are introduced to ensure stable quality, increase productivity, and reduce the burden on workers.

**In the future, the coating process will introduce artificial intelligence-based quality inspection capabilities, and the remaining manual coating steps will use robotic technology to achieve full automation of part manufacturing.**

Shimadzu Corporation



## SABIC, SD & LINDE ENTER STRATEGIC COLLABORATION TO EXPLORE OPPORTUNITIES FOR DECARBONIZATION IN CHEMICAL INDUSTRY

Riyadh, December 13, 2023 - SABIC, a global leader in the chemicals industry, Scientific Design (SD), an affiliate company licensing leader in Ethylene Glycol Technology and Linde Engineering, a subsidiary of Linde, a leading global industrial gases and engineering company, have entered into a Memorandum of Understanding to explore collaboration opportunities to decarbonize the SD Ethylene Glycol Process. This collaboration seeks to develop innovative solutions to reduce carbon footprint and achieve low-carbon emissions technology by offering SABIC's innovative CO2 recovery and purification technology to SD licensed manufacturing glycol plants worldwide. The ultimate goal is to establish sustainable Ethylene Oxide and Ethylene Glycol production and set industry benchmarks for carbon-neutral industries.

Bob Maughon, Executive Vice President, Technology & Innovation, CTO & CSO at SABIC emphasized the company's commitment to carbon neutrality, stating: "At SABIC we have outlined a clear pathway toward carbon neutrality that necessitates the advancement of innovative technologies on a large scale, both within our existing asset base and in our future growth. Through embracing innovation and fostering collaboration, we are developing new technologies and processes to drive our journey toward carbon neutrality. Our carbon capture strategy and this new opportu-

nity to collaborate with Linde Engineering, demonstrates the importance of leveraging our technological expertise to transform waste products into valuable resources demonstrating the Circular Carbon Economy framework."

John van der Velden, Senior Vice President Global Sales & Technology, Linde Engineering, stated: "I'm proud that SABIC and Linde Engineering will work together to decarbonize this major petrochemical building block. We have an established and long-standing history of collaboration between our two companies, which builds on the complementary strength and expertise of our organizations. By combining SABIC's SD gas processing technology with Linde's expertise in capturing and liquefying CO2, plus our strong track record in designing, executing and operating plants, we hope to find solutions that support a carbon neutral petrochemical industry."

**Atieh Abu Raqabah, SD CEO: "We are excited to embark on this groundbreaking journey with SABIC & Linde Engineering, integrating SABIC's CO2 Capture & Purification technology into our EO/EG production processes. It will enable us to capture and purify CO2 emissions generated during our EO/EG production processes, thereby mitigating the environmental impact. This strategic collaboration aligns with our steadfast commitment to sustainability and also positions**

## **SABIC Scientific Design as a leader in offering Zero Carbon Ready EO/ EG Technology."**

The collaboration will leverage SABIC's proprietary CO2 technology which has already demonstrated its effectiveness in the world's largest carbon capture and utilization (CCU) plant at SABIC affiliate, United. This technology has the capacity to recover and purify up to 500,000 metric tons (MT) of CO2 per year, which would otherwise be emitted into the atmosphere during ethylene glycol production. The captured CO2 can be converted into valuable products such as urea, a vital agri-nutrient that enhances agricultural yields, methanol, a versatile building block for various chemicals, and liquefied CO2, widely used in the food and beverage industry. In 2021, SABIC announced its carbon neutrality commitment; 20% reduction by 2030 Interim Scope 1&2 emissions target compared to 2018 and carbon neutral by 2050 in line with the Paris Agreement goals. The company's carbon neutrality roadmap comprises five critical pathways; energy efficiency, renewable energy, electrification, carbon capture, utilization and storage (CCUS) and green/blue hydrogen.

This strategic collaboration between SABIC, Scientific Design, and Linde Engineering represents a significant step toward transforming the chemical industry and accelerating the transition to a sustainable and carbon-neutral future.

Source : Press Release

**WEG DEVELOPS  
INNOVATIVE  
CORROSION-**





## RESISTANT COATING FOR OFFSHORE APPLICATIONS

**W**EG has developed an innovative coating for use in highly corrosive environments that improves the durability of assets and extends their service life up to four times compared to existing technologies. This coating technology, which has been tested and applied on a number of offshore platforms, replaces traditional coatings, simplifies maintenance of the equipment and structures being applied, and provides greater resistance than currently employed protective coatings.

The first offshore maintenance project using the new technology has begun, with testing confirming the performance of WEG's new product marketed under the WrapX® brand. In addition to equipment, performance testing and technical training, more than \$300,000 was invested in research and investment over two years.

The WrapX® range uses high-performance elastomer coatings to extend the integrity of the assets, the product can be easily removed and reapplied in situations where valve and flange maintenance requires constant intervention. Rafael Guerreiro Torezan, managing director of WEG Tintas, said WrapX® allows large application areas to be released in a matter of hours, unlike current processes that take days to maintain assets. This is a 100% solids sustainable technology that, in addition to the oil and gas sector, can also be used in other highly corrosive environments such as mining, steel, pulp and paper.

**The innovative coating was developed with the support of the Materials and Corrosion Technology Area of Petrobras' Research and In-**

**novation Center (Cenpes), which encourages technological development in Brazil by promoting initiatives focused on innovation and sustainability.**

Source : WEG WrapX®

## FRENCH MINING GROUP ERAMET SIGNS MANGANESE ORE SUPPLY AGREEMENT WITH COATINGS COMPANY VIBRANTZ FOR MANGANESE- BASED BATTERY TECHNOLOGY

**F**rench mining group Eramet and US chemical coatings company Vibrantz Technologies signed a 10-year supply agreement for manganese ore in late 2023. Manganese ore is an important raw material for Vibrantz to produce lithium-ion batteries.

Eramet's manganese ore will be mined from its mines in Gabon, Central Africa. The agreement builds on a 20-year partnership between the two companies, with Eramet aiming to create a solid and reliable feedstock route for Vibrantz to manufacture manganese sulfate for use in automotive batteries.

Christel Bories, Chairman and CEO of Eramet, said: "This agreement confirms Eramet's ability to satisfy customers and earn the trust of its partners by delivering high-quality ore. With our high-quality metal deposits, such as the manganese mine in Gabon, the lithium mine in Argentina, and the nickel and

cobalt mine in Weda Bay, Indonesia. We believe we have the ability to become a responsible key player in the battery value chain."

**Vibrantz recently announced the construction of a battery-grade high-purity manganese sulfate (HPMSM) pilot processing plant at its facility in Tampico, Mexico. The company is a leader in specialty minerals and chemical additives for batteries and electronic components. Company CEO Michael Wilson commented: "As we continue to advance as a premier supplier of specialty chemicals and materials to the sustainability space, we greatly value our enduring relationship with Eramet. This agreement enables Vibrantz to leverage the two companies' 50 years of combined expertise in manganese chemicals to bring environmentally friendly new energy vehicles to millions of consumers."**

Wilson further said that Vibrantz's recent high-purity manganese sulfate (HPMSM) capacity investment has received positive market recognition from battery producers and automotive original equipment manufacturers.

Source : ErametVibrantzmanganese ore





### BASF LAUNCHES IRGASTAB® PUR 71, A CUTTING- EDGE ANTIOXIDANT IMPROVING REGULATORY COMPLIANCE AND PERFORMANCE FOR POLYOLS AND POLYURETHANE FOAMS

- Formulated without aromatic amine to promote a better environmental, health and safety profile
- Premium anti-scorch solution offers reduced emission levels and exceptional performance
- Sustainable alternative offers polyol and foam producers a competitive advantage

BASF presents Irgastab® PUR 71, an innovative and advanced anti-scorch solution that not only ensures adherence to regulations but also offers exceptional performance. This premium solution has been formulated without aromatic amine, effectively addressing the limitations of conventional anti-scorch additives. With its superior environmental, health, and safety profile, this solution meets the increasing regulatory pressure on substance classification and sustainability in the industry.

**"Irgastab PUR 71 reaffirms BASF's commitment to innovation and partnership with the industry: We offer our custom-**

**ers a sustainable alternative to conventional solutions, empowering them to gain a significant advantage in the everchanging global market," said Dr. Bettina Sobotka, Head of Global Marketing and Development, Plastic Additives, BASF. "With a proven track record in additives, backed by our global team of experts dedicated to the development of the automotive and comfort industry, we strive to pioneer cutting-edge technologies and solutions that not only enhance performance, but also promote sustainability."**

In the manufacturing of polyurethane foams, the heat generated during the process can cause discoloration, loss of mechanical properties, and even fire hazards if the polyols, the main raw materials, are not properly stabilized. While conventional anti-scorch packages rely on phenolic antioxidants combined with aromatic amine stabilizers, they come with significant drawbacks such as unpleasant odor, toxicity concerns, or high volatility.

The use of anti-scorch additives can greatly minimize degradation caused by exothermic reactions during the processing of PUR foam. Irgastab PUR 71, formulated without intentionally added aromatic amine, effectively decreases emissions and lowers the potential harm to both humans and aquatic organisms. Consequently, this leads to significantly reduced levels of volatile organic compounds (VOC) and condensable emissions (FOG) released from PUR foams. Due to these properties, air quality within the interior of vehicles can be greatly improved, creating an advantage in the automotive industry.

Irgastab PUR 71 provides targeted application benefits in various industries. It enables lower emissions in compli-

ance with the most stringent automotive industry specifications and improves the vehicle interior air quality. In the comfort sector, it offers state-of-the-art anti-scorch resistance to polyol as well as foam producers, preventing heat degradation during the foaming process. In addition, it has no Carcinogenic, Mutagenic and Reprotoxic (CMR) classification, allowing polyol producers to comply with environmental voluntary certifications and keep their anti-scorch recipe confidential. For consumer goods, it enhances product quality by providing improved whiteness and resistance to color change caused by gas fading and light-induced discoloration.

Irgastab PUR 71 is part of the VALERAS® portfolio. With VALERAS, BASF is committed to increasing the sustainability of plastics along the entire polymer value chain with innovative solutions and offerings from its plastic additives business.

Source : BASF

### DUPONT LAUNCHES PRINTED TEDLAR® PVF SOLUTIONS AND PVF COATING AT TAIPEI BUILDING SHOW

TAIPEI, Dec. 7, 2023 – DuPont (NYSE:DD) today announced that Coryor Surface Treatment Company Ltd. and Nippon Paint Taiwan have introduced a series of new offerings including printed Tedlar® PVF solutions and PVF coating in Taipei Building Show, the largest building materials exhibition in Taiwan.

DuPont worked very closely with Coryor Surface Treatment Co. to launch the printed PVF film solutions featured at



the show. This innovative PVF product made with Tedlar® is one of the Coryor's AAMALON® applications series, which is focused on better weathering resistance among other performance benefits. Tedlar® films have more than 60 years of proven performance in the harshest environments. From resisting weathering on solar panels to keeping airplane interiors looking clean and new, Tedlar® film provides incomparable UV and weather durability. Tedlar® films are even resistant to the harshest chemical cleaners, including bleach and alcohol-based solvents.

Known for offering long-lasting aesthetic protection for architectural applications, Tedlar® is available in a range of popular colors and can preserve and extend a building's appearance for its lifetime. Tedlar® films are highly weatherable and dirt-shedding, therefore reducing maintenance costs and protecting structural investments. Coryor's AAMALON® films are not only 100 percent protected by Tedlar®, but also allow for tailored patterns and color, enabling limitless design creativity.

"Our booth at the Taipei Building Show features several great examples of various printed Tedlar® samples," said Jay Chang, CEO of Coryor. "Having Tedlar® barrier ensures that these eye-catching custom printed films will be protected and look new and better wherever they are used." These Coryor Tedlar® films can replicate the look of woodgrain, stone, and countless other organic finishes with unparalleled realistic detail, lasting outdoor fade resistance, and stay-clean performance. For more custom finishes, brilliant colors and photo-realistic images can be rendered with all the durability performance of Tedlar®.

In addition to the Coryor printed products, DuPont is also co-launching a PVF coating solution with Nippon Paint at the Taipei show. Designed for building exteriors, including those exposed to harsh environments, Tedlar® PVF coatings offer durable finishes for a variety of

exterior and interior metal applications. PVF coatings are unique in that they simultaneously provide superior chemical resistance, flexibility, hydrolytic, and UV stability, which are superior to any of the current coil and extrusion coating resin in the market. It offers ideal solution for surface protection against corrosion, fading and cracking, providing excellent chemical resistance and coating bendability performance. "Tedlar® PVF coating has been chosen for projects requiring premium protection of metal building materials used in corrosive environments. This technology is tried and tested through the long history of PVF film and enables trusted PVF performance with color and application flexibility for the user," said Matt Urfali, Vice President, Sales & Marketing, DuPont™ Tedlar®. "We are very proud to launch this exciting new offering in the Taiwan market and bring differentiated value to our customers across the whole region."

**"Coatings made from Tedlar® PVF enable the benefits of the film in a versatile format that can be tailored to specific architectural design needs. The finished PVF coatings are currently being used in many different projects worldwide. We are pleased to collaborate with DuPont in introducing this innovative offering in the Taiwan market", said Zhou Lan, General Manager of Nippon Paint Taiwan.**

PVF coatings are in-stock and available in the Taiwan market exclusively via Nippon Paint Taiwan, offering a truly innovative solution to the coil coating industry.

Source : Dupont

## WANHUA RELEASES QUICK-DRYING IPDI PRODUCT IT-170B FOR AUTOMOTIVE AND INDUSTRIAL COATINGS

Wanhua Chemical has newly launched IPDI's quick-drying isocyanate curing agent product WANNATE® IT-170B. This product has excellent weather resistance, color retention and mechanical properties. Most importantly, it has excellent physical drying properties. This product can be widely used in air-drying and baking coating systems, such as OEM in the automotive coatings field, automotive refinishing paints and other industrial coatings.

**Content provided by Wanhua Chemical shows that the physical drying speed of this product is very fast, which can improve production efficiency. At the same time, WANNATE® IT-170B has low reactivity, which extends the system's applicable life, provides a sufficient operating window, and ensures excellent dilution stability of the finished product. At the same time, the product has good compatibility with the resin, which provides technicians with great flexibility in formulation.**

WANNATE® IT is Wanhua Chemical's IPDI trimer curing agent product series. Wanhua Chemical stated that it will rely on the advantages of phosgenation technology and integrated industrial chain to continue to innovate in the field of coatings and contribute to the sustainable development of the industry.

Source : wanhua chemical



### ARTISTIC MILLINERS AND ARCHROMA LEVERAGE ECO- ADVANCED SULFUR BLACK DYESTUFF TO REWRITE THE FUTURE OF DENIM

Pratteln, Switzerland, 13 December 2023 - International denim manufacturing powerhouse Artistic Milliners and Archroma, a global leader in specialty chemicals towards sustainable solutions, are collaborating to rewrite the future of denim. Leveraging Archroma's breakthrough Diresul® EVOLUTION BLACK dyestuff, the partners are promoting more eco-advanced sulfur black dyeing for denim with a variety of washdown effects and reduced environmental impact.

Diresul® EVOLUTION BLACK delivers outstanding resource savings, using less water and energy and producing less CO2 during dye synthesis. Furthermore, it offers unique shade and washdown behavior compared to standard black dyes to consistently create eye-catching aesthetics, especially on dark black shades with no bronzing effect. It is also laser-friendly.

Artistic Milliners launched a capsule collection based on the new Diresul® EVOLUTION BLACK technology at Kingpins Amsterdam in October, named EVO BLACK, winning a strong positive response from global brands. It is now working closely with a research and innovation team from Archroma, its technology partner of many decades, to expand its use of the new black coloration system in combination with other colors and performance effects.

"With decades of denim innovation, Artistic Milliners continues to push the envelope to lower the environmental impact of clothing for brands and consumers," Omer Ahmed, Managing Director, Artistic Milliners, said. "We are enthusiastic about promoting the Diresul® EVOLUTION BLACK technology with our partner Archroma as a way to help our industry move towards more eco forward denim production that nurtures people and the planet."

**"Archroma is proud to work with market leaders like Artistic Milliners to prove that denim production can have minimal environmental impact and economically viable while creating value for brands through collections that consumers crave," Umberto De Vita, Director, Denim Market Segment, Archroma Textile Effects, added. "Diresul® EVOLUTION BLACK is just the latest in a long series of Archroma-driven innovations that enhance people's lives and respect the planet."**

Archroma has led the evolution of sulfur dyeing since 1980, when it introduced its low-sulfide Diresul® RDT range which include breakthroughs like the eco-advanced Pad-Ox dyeing process, and the innovative plant-based Earth-Colors® sulfur dyestuffs range.

Diresul® EVOLUTION BLACK took home the honorary award for Innova-

tion - Dyes at the 2023 Just Style Excellence Awards.

Source : Press Release

### SABIC, SCIENTIFIC DESIGN AND LINDE PARTNER TO DECARBONIZE ETHYLENE GLYCOL PROCESS

Sabic Scientific Design (SD), an affiliate company licensing leader in Ethylene Glycol Technology and Linde Engineering, a subsidiary of Linde, have entered into a Memorandum of Understanding to explore collaboration opportunities to decarbonize the SD Ethylene Glycol Process.

This collaboration seeks to develop innovative solutions to reduce carbon footprint and achieve low-carbon emissions technology by offering SABIC's innovative CO2 recovery and purification technology to SD licensed manufacturing glycol plants worldwide.

**Capacity to Recover Up to 500,000 MT of CO2 Per Year**

The ultimate goal is to establish sustainable Ethylene Oxide and Ethylene Glycol production and set industry benchmarks for carbon-neutral industries. The collaboration will leverage SABIC's proprietary CO2 technology which has already demonstrated its effectiveness in the world's largest carbon capture and utilization (CCU) plant at SABIC affiliate, United.

This technology has the capacity to recover and purify up to 500,000 metric tons (MT) of CO2 per year, which





would otherwise be emitted into the atmosphere during ethylene glycol production. The captured CO<sub>2</sub> can be converted into valuable products such as urea, a vital agri-nutrient that enhances agricultural yields, methanol, a versatile building block for various chemicals, and liquefied CO<sub>2</sub>, widely used in the food and beverage industry.

Bob Maughon, executive vice president, technology & innovation, CTO & CSO at SABIC emphasized the company's commitment to carbon neutrality, stating, "At SABIC we have outlined a clear pathway toward carbon neutrality that necessitates the advancement of innovative technologies on a large scale, both within our existing asset base and in our future growth. Through embracing innovation and fostering collaboration, we are developing new technologies and processes to drive our journey toward carbon neutrality. Our carbon capture strategy and this new opportunity to collaborate with Linde Engineering, demonstrates the importance of leveraging our technological expertise to transform waste products into valuable resources demonstrating the Circular Carbon Economy framework".

### Working Together to Decarbonize Major Petrochemical Building Block

John van der Velden, senior vice president global sales & technology, Linde Engineering, stated, "I'm proud that SABIC and Linde Engineering will work together to decarbonize this major petrochemical building block. We have an established and long-standing history of collaboration between our two companies, which builds on the complementary strength and expertise of our organizations. By combining SABIC's SD gas processing technology with Linde's expertise in capturing and liquefying CO<sub>2</sub>, plus our strong track record in designing, executing and operating plants, we hope to find solutions that support a carbon neutral petrochemical industry".

Atieh Abu Raqabah, SD CEO "We are

excited to embark on this groundbreaking journey with SABIC & Linde Engineering, integrating SABIC's CO<sub>2</sub> Capture & Purification technology into our EO/EG production processes. It will enable us to capture and purify CO<sub>2</sub> emissions generated during our EO/EG production processes, thereby mitigating the environmental impact. This strategic collaboration aligns with our steadfast commitment to sustainability and also positions SABIC Scientific Design as a leader in offering Zero Carbon Ready EO/EG Technology".

In 2021, SABIC announced its carbon neutrality commitment; 20% reduction by 2030 Interim Scope 1&2 emissions target compared to 2018 and carbon neutral by 2050 in line with the Paris Agreement goals. The company's carbon neutrality roadmap comprises five critical pathways: energy efficiency, renewable energy, electrification, carbon capture, utilization, and storage (CCUS) and green/blue hydrogen.

This strategic collaboration between SABIC, Scientific Design, and Linde Engineering represents a significant step toward transforming the chemical industry and accelerating the transition to a sustainable and carbon-neutral future.

Source : Sabic

## ARKEMA ACQUIRES ARC BUILDING PRODUCTS IN IRELAND, SPECIALIZED IN CONSTRUCTION ADHESIVES AND SEALANTS

With the planned acquisition of Arc Building Products, Arkema will strengthen its position in Ireland's grow-

ing construction adhesives market with a broader range of solutions and a local manufacturing footprint.

The Irish manufacturer Arc Building Products specializing in tile adhesives, floor preparation systems, building chemicals and sealing & bonding solutions, has built a solid position in the Irish market, delivering first class system solutions with a strong emphasis on customer service. It delivers around €15 million annual sales, with a production facility in Arklow, Co. Wicklow, Ireland.

Building on its strong position in Ireland for over 60 years, Bostik is poised to



leverage significant industrial and commercial synergies through this planned acquisition. By integrating Arc's product range, Bostik will expand its portfolio of high value-added solutions for the growing Irish construc-

tion market, driven by increasing needs for sustainable housing and renovation. Bostik will also invest significantly in the Arklow site to increase the local production of its solutions.

**This deal is aligned with Bostik's commitment to deliver consistently high-quality, sustainable products while fostering strong customer intimacy."**  
**Vincent Legros, Executive Vice President of the adhesive solutions segment (bostik)**

Source : Arkema





## LOTTE CHEMICAL DEVELOPS RECYCLED FLAME-RETARDANT PP MATERIAL FOR BUILDING INTERIOR MATERIALS... ACQUIRED GRADE A IN THE ASTM FLAME RETARDANT TEST

- Development of recyclable flame retardant PP (polypropylene) products for interior finishing materials in buildings...Obtained Class A rating in ASTM E84 for evaluation of combustion characteristics of building materials
- Full-fledged entry into the building interior finishing materials market in North America and the Middle East

LOTTE Chemical's PP products were rated Class A, meaning the best flame retardant performance, in 'ASTM E84', a flame retardancy rating certification test for indoor finishing materials for buildings in North America and the Middle East.

The PP product that received the A grade this time is a newly developed halogen-free (non-toxic) flame retardant material that is not harmful to the human body compared to general flame retardant plastics and is recyclable, so it has the advantage of being eco-friendly.

LOTTE Chemical's halogen-free flame retardant PP products are scheduled to be first used as interior finishing materials for buildings in the Middle East in 2024, and are expected to be expanded

to other uses such as automobiles and home appliances that required flame retardant properties in the future.

'ASTM E84' is a test for the combustion characteristics of building materials and is evaluated for use as interior finishing materials for buildings in the United States, the Middle East, and Southeast Asia. It measures the flame propagation index and smoke generation index and classifies three classes A, B, and C according to the results.

As a result of testing of LOTTE Chemical's flame retardant PP products, it received a stable grade equivalent to a Class A grade with a flame spread index of 10 and a smoke generation index of 60. This result means that, compared to general plastic product, when a fire occurs, the spread of the flame is suppressed and harmful gases are generated to a minimum.

**LOTTE Chemical said, "With this developed product, we plan to enter the building interior finishing materials market in North America and the Middle East in earnest."**

Source : Lotte chemical

## EVONIK EXPANDS ITS PEROXIDES PRODUCTION NETWORK WITH FULL ACQUISITION OF THAI PEROXIDE CO., LTD.

- Former joint venture taken over fully

after purchase of 50% share from Aditya Birla Group entities and others

- Acquisition will strengthen Evonik's hydrogen peroxide and peracetic acid specialties business in Asia Pacific
- Specialty peroxides are used in microchip and solar cell production, wastewater treatment, food safety, and more

Hanau, Germany. Evonik has announced the full takeover of former joint venture Thai Peroxide Company Limited (TPL), located in Saraburi, Thailand. With the acquisition, which closed on 15 December, the global peroxides producer is expanding its offer of specialty-grade hydrogen peroxide and peracetic acid in the fast-growing Asia Pacific market. The move supports Evonik's Active Oxygens business line in pursuing its strategic focus on specialties for future-forward applications.

TPL is a major regional supplier of specialty hydrogen peroxide and peracetic acid for applications ranging from microchip production and solar cell manufacture to water treatment and food safety. The company generates annual sales in the mid-double-digit million-euro range. Previously, TPL had been a joint venture between PeroxyChem and Aditya Birla Group until Evonik purchased PeroxyChem in February 2020. Evonik then held a 50% share in TPL before fully taking over.

"TPL's expertise aligns precisely with Evonik's aim to offer tailor-made solutions to address current and future challenges," said Lauren Kjeldsen, head of Evonik's Smart Materials division. "These include providing clean, sustainable chemistries for highly in-demand applications. Electronics are an important example: The world needs microchips, and microchips need hydrogen



peroxide to be produced.”

Evonik's Asia Pacific regional president Claus Rettig remarked, “TPL has a strong, experienced management team, using leading technologies and application know-how. We are very much looking forward to strengthening the Evonik specialty business in Asia Pacific through the valuable expertise of this team.”

“At Active Oxygens, we are especially excited about building synergies between the TPL staff and our colleagues in the region,” pointed out Michael Träxler, head of the Active Oxygens business line. “When we purchased PeroxyChem in 2020, it was with an eye to intensifying Active Oxygens’ strategic focus on specialties, customer proximity, and sustainability. Bringing TPL now fully into the business line enables us to continue that trajectory, including the integration of our sustainability strategy across all production sites.”

Hydrogen peroxide and peracetic acid are powerful oxidizers that are valuable across a variety of industrial applications. Yet after use, they break down into biodegradable components, and thus are more environmentally benign compared to alternative chemistries. In addition to this beneficial handprint, Active Oxygens is implementing a concrete sustainability roadmap to eliminate the footprint of its production network.

Source : Evonik

**KBR GREEN AMMONIA  
TECHNOLOGY  
SELECTED BY  
LOTTE CHEMICAL  
CORPORATION FOR  
H2BISCUS PROJECT IN**

## MALAYSIA

**H**OUSTON, Jan. 8, 2024 /PRNews-wire/ -- KBR (NYSE: KBR) announced that its K-Green® technology has been selected by a consortium consisting of Lotte Chemical, KNOC (Korea National Oil Corp) and Samsung Engineering for Lotte Chemical's H2biscus green ammonia project development in Sarawak, Malaysia.

Under the terms of the contract, KBR will provide technology license and proprietary engineering design to Lotte Chemical for its green ammonia project that will produce 800 KTA of green ammonia from hydropower.

**"We are pleased to work with Lotte Chemical and support their energy transition objectives with our zero-carbon K-Green® technology," said Doug Kelly, KBR President, Technology. "KBR is a leader in advancing clean hydrogen technologies and solutions, and green ammonia is a key enabler to achieving global net zero targets. Our green ammonia solutions and complementary technologies such as H2ACT make KBR the preferred technology licensors for major energy transition projects around the world."**

KBR is a world leader in ammonia technology and has been at the forefront of innovation in the ammonia market for decades. Since 1943, KBR has licensed, engineered, or constructed more than 250 grassroots ammonia plants worldwide.

Source : KBR

**CADELLO COMPANY'S  
10,000 TONS/YEAR  
INORGANIC PIGMENT  
PROJECT IS ABOUT**

## TO BE PUT INTO PRODUCTION!

**C**adello's new factory in Zhaoqing City, Guangdong Province is scheduled to be officially put into use in May 2024. The new projects under construction in the factory include 10,000 tons of inorganic pigments and 30,000 tons of glaze projects. Currently, the construction of the factory is in full swing. The factory covers a total area of 30,000 square meters. The main building is divided into 3 modern factory buildings and 1 office building.

It is reported that the products of this project cover special pigments for ink-jet printing, high-temperature pigments for coatings, etc. Among them, related products in the field of coating applications include: copper chrome black, iron chrome black, titanium nickel yellow, cobalt blue, cobalt green, etc. It is a modern comprehensive production base integrating green production, technological research and development, and comprehensive office energy warehousing. At the same time, the new factory has also added a high-performance environmentally friendly inorganic pigment workshop, which adopts a liquid phase synthesis process. The products have the advantages of high purity, fine particle size, and strong tinting power. They can perfectly replace imported products.

In addition to being used in traditional fields such as coatings, plastics, inks and enamels, it can also be used in new fields such as electronic materials and catalysts. As a professional inorganic pigment manufacturer and a national high-tech enterprise, Cadello has been moving forward firmly and steadily. Its products include a variety of functional and environmentally friendly inorganic pigments and composite inorganic pigments.

Source : Cadello



Continued from Pg 32

- The OQ Luban ICP solutions increase the world's ability to combat food waste by enabling the production of cost-effective primary and secondary packaging including industrial pails, and food containers.
- OQ Luban LL8446.21 is the latest LLDPE Rotomoulding grade used to make water tanks, a critical tool to help preserve, distribute, and consume water.

Headquartered in Oman, OQ stands out for its diverse expertise as an energy transition enabler across various markets. Excelling in polypropylene (PP) and polyethylene (PE), catering to both flexible and rigid packaging solutions, OQ has announced two major product launches designed to solve industry challenges and provide key sustainability benefits.

First is the OQ Luban polypropylene impact copolymer portfolio, introducing Luban EP 2340L, EP 2340P, and EP 2348R, which underwent initial proving in 2022 and are set for a full launch in Q4 2023. These grades, along with the upcoming Luban EP 2348S and EP 2348T are scheduled for launch in the same quarter. These products provide solutions covering a broad range of applications, including thin-walled packaging, appliances, automotive parts, and consumer goods, industrial, containers, crates, batteries, and beyond.

Alongside this, OQ is also launching Luban LL8446.21 – a new LLDPE Rotomoulding solution. Designed to enable safe, clean, and reliable storage and transportation of water and other liquids, it has multiple applications, including water tanks, chemical containers, pallets, traffic barriers, air conditioning enclosures and refuse bins.

### Enhancing food security and protecting water scarcity

These new solutions will help industries around the world to tackle some of the most pressing global challenges.

According to the United Nations, around 30% of the food that is produced fails to be consumed, a huge waste issue that is hindering opportunities for socioeconomic development in regions where food security is a major concern. OQ's polymer solutions, including the polypropylene ICP series, play a crucial role in empowering food producers with the necessary tools they require to address the food security challenge, as well as making it possible for end users to participate in the solution by not only effectively preserving their food during consumption, but also whilst it is on its journey through the value chain from field to table.

Through these solutions, OQ is contributing to the vital aspects of food safety, security, mitigation of food shortages, and the promotion of circularity within the food industry.

In tandem, OQ's new LLDPE Rotomoulding grade Luban LL8446.21 will help to enhance water security at the point where it is consumed, especially in regions which are undergoing both rural development as well as rapid urbanization – situations which are likely to lead to water scarcity. This focused solution plays a pivotal role in enhancing water security by serving as a key component in the water distribution value chain, including water tanks and pipes, enabling the safe, clean, and reliable transportation and storage of water in both urban and rural areas. This underscores the increasing importance of such advancements in polymer technology, aligning with the rising demand for efficient water management solutions worldwide.

### No compromise on quality

OQ's solutions are positioned to create a meaningful impact, driven by their high quality, array of beneficial properties and rapid ability to produce at scale.

For the IPC portfolio, key benefits and features include:

- Enhanced flowability: Helps to reduce energy input and lowers processing temperatures, resulting in cost and energy savings. Moreover, it allows for greater design freedom by enabling thinner walls to be achieved, reducing both weight and cost.
- Reduced warpage: Allowing for faster cycle times during processing as well as efficiency during filling and stacking.
- Dimensional consistency: Ensures product dimensional stability during use including during hot fill applications and stacking as well as reheating in the case of food savers.
- Improved stiffness and toughness balance: Allowing for application versatility providing operational efficiency and cost savings during production whilst maintaining functionality during the full value chain including meeting storage and transportation requirements.

OQ Luban ICP solutions are designed around performance in an application. An example is Luban EP2340L, a perfect solution for crates and boxes due to its balance of very high impact and stiffness properties. Luban EP2348R, thanks to its good impact and stiffness, is the ideal grade to produce food containers and light weight pales. Luban EP2348T, meanwhile, due to its high flow, stiffness and low temperature impact is suited for thin-walled packaging solutions in food applications requiring refrigeration or





freezing.

Trevor Robinson, Adviser, Polymer Marketing commented: “Our grade range is carefully crafted to provide comprehensive solutions across the thin-wall rigid packaging value chain, catering to both industrial and consumer thin-walled applications. Our focus goes beyond providing just the right grade for the application and extends to offering holistic solutions backed by services tailored to meet our customers' specific needs. This enables the customers to innovate in the value chain keeping up with market trends, reducing reliance on imports.”

OQ's LLDPE Rotomoulding grade Luban LL8446.21 is ideally suited for water tanks thanks to its excellent durability, processability and UV stabilization – the polymer design and resulting property balance including excellent ESCR and deformation under load ensures superior performance in the field.

In terms of design versatility, converters can produce a range of roto-molded products with Luban LL8446.21 including for a wide range of water tank sizes, from the smallest models all the way up

to 10,000 liters. The Luban LL8446.21 grade is also designed to offer excellent processability including a faster grinding rate. LLDPE roto-molding value chain solutions in addition, provide more cost effective and sustainable solutions over the service lifespan compared to the traditional alternatives such as GRP, metal, and concrete.

**Trevor added:**  
**“In addition to offering top quality grades**

**designed for purpose polyolefin solutions, OQ aims to provide best-in-class customer service to match.**

**The OQ team is dedicated to assisting customers from the very start of our**



**interaction in firstly selecting the right solutions that match their requirements.**  
**As we guide customers through field trials and commercial processes, we quickly learn their pain points, needs and requirements. Our goal is to demonstrate value that supports the customer's needs.”**

To learn more about OQ's Luban Polypropylene ICP portfolio and the LLDPE Rotomoulding grade Luban LL8446.21, visit OQ's booth in Hall 4/C110 at Arabplast 2023 and follow along here.

Source : OQ

## INEOS Phenol Starts up Europe's Largest Cumene Facility and Halves CO2 Emissions

- The world scale 750,000 kt/a plant reduces CO2 emissions by 50% per tonne
- Cumene is essential to the production of Phenol used in healthcare and cleaning products.
- Hans-Juergen Bister, Operations Director for INEOS Phenol: “Phenol is an essential component of our everyday lives. To be able to produce phenol with cumene that has a dramatically reduced carbon footprint is a game-changer.”

- The plant was constructed in association with CAC Engineering GmbH, who managed the project in close cooperation with INEOS under an EPCM[1] model

**I**NEOS Phenol has started production at Europe's largest Cumene facility in Marl, Germany.

The world scale 750,000 tonne facility produces up to 50% lower CO2 emissions per tonne of product. The significant reduction in emissions is enabled by pioneering cumene technology in combination with unique heat integra-

tion at the Marl Chemical Park.

The well located plant will use existing pipeline connections between INEOS' phenol and acetone production sites in Gladbeck, the Evonik Chempark in Marl, and the BP refinery and cracker complex in Gelsenkirchen. The site also benefits from the nearby Marl harbour waterway connection. Most of the waste heat from the plant is used for a district heating circle further reducing the carbon footprint of the site.

Cumene is an essential raw material in the production of phenol and acetone,





which are used in a wide variety of applications including medical applications ranging from aspirin to throat lozenges and sprays. Their derivatives are also used in contact lenses, artificial joints, dentures and dental fillings, as well as many other applications.

INEOS is the world's largest producer of phenol and acetone, and the largest consumer of cumene.

The plant was constructed in association with CAC Engineering GmbH, who managed the project under an EPCM model. CAC work included FEED verification, detail engineering, procurement, construction and pre-commissioning of the plant.

Hans-Juergen Bister, Operations Director for INEOS Phenol, said: "We are delighted that INEOS Phenol's world scale facility is up and running. The unit strengthens our European Phenol position in terms of feed-stock supply. At the same time it helps to reduce the carbon footprint of the business." "We are investing heavily in reducing our carbon footprint when producing essential materials. We know our customers are doing the same and supplying them with an equally strong and reliable product but with a significantly lower environment impact is an enormous step forward."

**Mike Niederstadt, Managing Director of CAC said.**

**"The technical, organisational and above all human input involved here make this a flagship project for CAC. "Not only does this project go down in our company history as our largest ever engineering assignment and a fantastic reference, it also represents the outstanding collaborative partnership with INEOS Phenol."**

Source : Ineos

## Eunisell Receives Award from Shell as Oilfield Chemical Providers on Bonga FPSO

LAGOS, Nigeria, Dec. 20, 2023 / LPRNewswire/ -- Eunisell Limited, a leading global specialty chemicals company, is pleased to announce it has received a prestigious award from Shell Nigeria Exploration and Production Company Limited for its exceptional provision of production chemicals on the Bonga Floating Production, Storage, and Offloading ("FPSO") vessel.

The distinguished 2023 honour from Shell commended Eunisell for its outstanding dedication to safety and consistency, acknowledging the Company's exceptional service delivery to the Bonga FPSO, one of the largest FPSOs in the world.

Eunisell designs, develops and markets specialty chemicals and is dedicated to elevating standards in the industry. The Company has been supplying oilfield production chemicals to industry majors such as Exxon Mobil, Chevron, Total and Shell for almost three decades. This prestigious award serves as a testament to Eunisell's enduring commit-

ment to delivering cutting-edge solutions and services across a diverse range of industries.

Located in the Gulf of Guinea, the Bonga Field covers approximately 60km<sup>2</sup> and began producing oil and gas in 2005. It was Nigeria's first deep-water development in water depths over 1,000 metres and in February 2023 hit the one-billion-barrel oil export mark.

Chika Ikenga, Managing Director of Eunisell, commented: "We are honoured to receive this prestigious award from Shell, a strong endorsement of the world class service we provide at Eunisell, and we look forward to strengthening our partnership with them at the Bonga Field.

**"As a leading provider of chemicals and oil and gas solutions, Eunisell has a renowned reputation and firmly established position in the sector. Our proven track record of delivering**

**innovative solutions to global organisations attests to our industry leadership. Positioned at the forefront, we are not only well-equipped to expand our presence in Africa but are also poised for significant global growth. We enter 2024 with great confidence and are excited to grow the business in line with our ambition to become a global leader in the industry."**

With a diverse clientele spanning the African continent, Eunisell, established in 1996, has steadily expanded its footprint across the upstream and downstream sectors of the oil and gas industry. Additionally, the Company has provided Chemical solutions to the food and beverage, personal and homecare solutions, lubricant and aluminium can processing industries.

Source : Eunisell



# Olehenriksen to Launch at Ulta Beauty in the New Year

NEW YORK, Dec. 18, 2023 / PRNewswire/ -- On January 1, 2024, award-winning skincare brand OLEHENRIKSEN will expand distribution into the nation's largest beauty retailer, Ulta Beauty. Globally renowned for pioneering clinically backed Scandinavian-inspired skincare, this announcement marks a new milestone as the brand enters their 41st year in business.

Brand Founder Ole Henriksen shares, "It is an honor to partner with Ulta Beauty for OLEHENRIKSEN's next retail chapter, especially as we both share a joyful approach to beauty. Our mission at OLEHENRIKSEN is to deliver joy and results in every bottle, and we love that Ulta Beauty is equally as passionate about helping people spark, embrace, and find joy through beauty. I'm very proud to see my brand launch with Ulta Beauty, ensuring the intentional and efficacious formulas we produce can be celebrated and enjoyed by even more people across the country."

OLEHENRIKSEN has been recognized as a leader in the beauty landscape for over 40 years. Generating virality across social platforms and frequently attributed as a celebrity favorite skincare brand, OLEHENRIKSEN's launch into Ulta Beauty will further expand the brand's reach, delivering a new consumer base the opportunity to achieve the iconic #OleGlow that the brand's products are clinically proven to deliver.

Speaking to the brand's continued growth, Senior Vice President and General Manager of OLEHENRIKSEN, Sarah Koch, states, "We are honored to partner with Ulta Beauty to champion OLEHENRIKSEN's next retail chapter. From the guests' demand for our presence within Ulta Beauty's offering, to

our synergy across brand vision and shared dedication to providing consumers with a joyous experience, this momentous partnership provides the opportunity for an expanded network of individuals to experience the transformative results of our products. As we approach 2024, we look forward to many exciting launches, initiatives, and activations that will make our partnership with Ulta Beauty impactful for all."

Just in time for the new year, Ulta Beauty guests nationwide will be able to shop OLEHENRIKSEN in 700 select stores and on [ulta.com](https://www.ulta.com). The robust OLEHENRIKSEN assortment will include a variety of the brand's best-sellers, spanning across their iconic Truth Collection, which features the multi award-winning Banana Bright+ Eye Crème and Pout Preserve Peptide Lip Treatment, Strength Collection, inclusive of their hero Strength Trainer Peptide Boost Moisturizer, Transform Collection and more. Plus, new product launches and exclusives set to debut throughout 2024.

**"At Ulta Beauty, we're committed to bringing the best and brightest brands to our assortment and providing our guests with solutions that meet their every need,"**

**says Penny Coy, Vice President of Merchandising at Ulta Beauty. "OLEHENRIKSEN is a shining example of this and we're proud to partner with Ole and his team to bring his beloved brand to more beauty enthusiasts. With its proven formulas, award-winning products and transformative results, we're giving guests what they want, and in some cases, what they never knew they needed, now with even greater access in more than half of our stores across the country and on [ulta.com](https://www.ulta.com). We look forward to inviting new and existing fans to discover OLEHENRIKSEN at Ulta Beauty in the new year."**

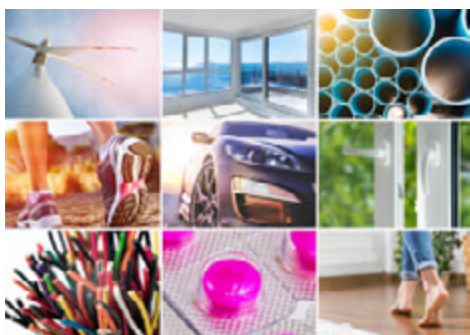
Beginning January 1, 2024, OLEHENRIKSEN will be available to shop at select Ulta Beauty stores nationwide and on [ulta.com](https://www.ulta.com).

Source : Olehenriksen



# INEOS Inovyn Expands its PVC Product Range Offering new Solutions for CarbPn Neutrality and Circularity

- INEOS Inovyn introduces NEOVYN, the new PVC range with a reduced carbon footprint meeting 2030 market targets on GHG reductions;
- BIOVYNTM, our current bio-attributed PVC, is optimised to progressively reach a carbon neutral footprint, becoming the net zero option;
- For circularity, RECOVYNTM completes the new Sustainable PVC Portfolio, for customers aiming to increase recycled content with PVC.
- “The new products we bring to the market will help our customers’ and business to jointly achieve our sustainability goals,” says Arnaud Valenduc, Business Director of INEOS Inovyn.



the net zero option. BIOVYNTM has been used increasingly across various sectors from automotive, building and construction, to medical and fashion applications, where fossil-free solutions with a reduced carbon footprint are needed.

To support customer targets for 2030

GHG reductions, INEOS Inovyn offers NEOVYN, which is a new PVC range with a significantly reduced carbon footprint

that is 37% lower than the European industry average for suspension PVC (reduced to 1.3 kg CO<sub>2</sub> per kg PVC).

NEOVYN will be produced from the many sustainable initiatives that INEOS Inovyn is pursuing, such as an increased access to renewable energy, process electrification and the production and use of renewable hydrogen. NEOVYN will become the new low carbon footprint standard enabling converters to progress on their carbon roadmap by reducing their Scope 3 emissions and offer low carbon footprint products to their customers.

Finally, INEOS Inovyn completes its sustainable portfolio with a new product range that increases recycling and circularity and reduces plastic waste that is not currently mechanically recycled. RECOVYNTM is the new product made from 100% recycled carbon feedstock and is designed for customers who want to increase their recycled content and meet high technical, quality and regulatory requirements.

RECOVYNTM, like BIOVYNTM and NEOVYN, can be used as drop-in solutions. Their sustainability credentials have been certified by the most stringent global requirements in the field, such as RSB and ISCC PLUS.

**“We continue to provide industry leadership by bringing to market new products to meet emission reduction and circularity aspirations on route towards a future Sustainable and Net Zero economy,” says Arnaud Valenduc, Business Director of INEOS Inovyn.**

Source : Ineos

## Sumitomo Chemical to Establish Methanol Producing Pilot Facility from CO<sub>2</sub>

Sumitomo Chemical has completed the construction of a pilot facility to establish a highly efficient process for

producing methanol from CO<sub>2</sub> at its Ehime Works, located in Niihama City, Ehime Prefecture, Japan, and has com-

menced operations at the facility.

This facility was built with the support





of NEDO's Green Innovation (GI) Fund.

### Achieving Circular Economy by Recovering CO<sub>2</sub>

The Company aims to complete the demonstration of this technology by 2028, as well as start commercial production using the new process and license the technology to other companies in the 2030s.

Carbon capture and utilization (CCU) technology is expected to serve as a game-changing solution to halt global warming and achieve a circular economy for carbon by recovering CO<sub>2</sub> and utilizing it in products, and Sumitomo Chemical is accelerating the development and spread of various new CCU processes.

Among them is a technology that uses CO<sub>2</sub> to produce methanol, a raw material for a wide range of products, from plastics to adhesives, chemical agents, and paints. It is often cited as a key example of CCU technology. However, conventional CO<sub>2</sub>-to-methanol conversion processes have faced challenges, such as low yield due to the reversible nature of the reaction and catalyst degradation caused by byproduct water.

Sumitomo Chemical has resolved these issues through joint development with Professor Koji Omata of Shimane Uni-

versity Interdisciplinary Faculty of Science and Engineering, leveraging the internal condensation reactor (ICR), a technology that Professor Omata has been developing. The ICR enables the condensation and separation of methanol and water within the reactor, which is impossible with conventional technologies. This helps to improve yield, downsize equipment, and achieve higher energy efficiency, while it is also expected to prevent catalyst degradation.

Source : specialchem



## UPM Specialty Papers & Lohmann Partner for Recycling in Tape Industry

UPM Specialty Papers and adhesive tape specialist Lohmann have partnered to enable recycling of paper liners in the tape industry. Liner recycling in the tape industry has proven to be very difficult.

### Sustainability Strategy and Design for Recycling

As part of its own sustainability strategy of driving forward sustainable adhesive technologies, Lohmann saw the opportunity to spearhead design for recycling in the tapes industry. The collaboration builds on UPM LinerLoop, which is the pioneering closed-loop paper liner recycling solution launched in 2018.

For adhesive tape liners, the greatest

technical barrier to high-yield recycling is that the industry has traditionally used siliconized release liners with a darker brown shade. As the typical shade of glassine is white or some other

light shade, recycling darker colored glassine grades in the same stream would contaminate the recycled pulp. Darker shades are

comparatively small in volume so recycling them separately is not economically viable.

### DuploCOLL® ECO Tapes with White Paper Liner

From a functional perspective, the performance of lighter shades have

to match the performance of darker shades. High-performing white liners were already available from UPM and even other suppliers, which is why Lohmann introduced its biobased and solvent-free tapes, DuploCOLL® ECO, with the new white paper liner to facilitate recycling with the highest possible value.

Solutions such as UPM LinerLoop and other established paper and paperboard recycling streams offer a drop-in solution for meeting Lohmann's target of improving the recyclability of liner waste. Lohmann is pursuing various measures to reduce waste, and increase the reusability of packaging as well as the number of recyclable products and product components. The aim here is to minimize the consumption of primary resources while keeping the fibers in the recycling loop for as long as possible.

"We are delighted to have been able to





support Lohmann in removing the obstacles for recycling of paper liners in the tape industry”, said Mikko Rissanen, director, technology at UPM Specialty Papers.

After working closely with UPM Specialty Papers, Lohmann has seen a positive response from customers - who have identified a new opportunity to reinforce their own sustainability targets.

**“We were aware that the recycling of liners needs to be on our sustainability action plan. We wanted to make the first move and set a new standard for our industry and now, in cooperation with UPM Specialty Papers,**

**we hope that others in the tape industry will follow suit and promote sustainability as a collective,” explains Evert Smit, director scouting at Lohmann.**

Source: Lohmann

## LyondellBasell Introduces New Plastics Made from Recycled Marine Maritime Gear

Rotterdam, 07 December 2023 - LyondellBasell, a global leader in innovation, is proud to announce its involvement in a groundbreaking value chain collaboration aimed at transforming end-of-life industry from the maritime waste into innovative plastics. This collaboration includes a renowned German OEM and a specialized recycling company with expertise in mechanically recycling plastic waste.

Traditionally, the automotive industry has only utilized recycled maritime plastic in the form of fibers for new vehicle components. However, with the introduction of CirculenRecover PPC TRC

2179N, this recyclate can now be used for the first time in injection molding. This breakthrough opens up new possibilities for the application of recycled plastics. As part of this collaboration, end-of-life fishing nets are collected and meticulously sorted by type. They are then processed to create a high-quality plastic recyclate. LyondellBasell takes this recyclate and expertly compounds it with virgin compounds to produce the grade CirculenRecover PPC TRC

2179N.

The injection-molded components made from CirculenRecover PPC TRC 2179N are trim parts used in visible areas for the interior of various car models. This development, which will be used in big-scale production, allows for



enhanced sustainability and environmental responsibility in the automotive industry. LyondellBasell is proud to be at the forefront of this transformative collaboration, which showcases the Company's commitment to innovation and sustainability.

**"Who would have thought that maritime gear can be one of the solutions to cre-**

**ate more sustainable cars?" says Michael Büdinger, Business Development Manager at LyondellBasell. "As part of the European Green Deal, the European Commission is currently investigating measures to increase the circularity of vehicles, one of them being the use of up to 25% of post-consumer plastic waste. Maritime gear will support OEMs in reaching this goal."**

LyondellBasell is committed to meeting the evolving needs of its customers. The company remains focused on developing tailored solutions for its customers, meeting their specific demands and requirements.

For more information about the LyondellBasell Circulen family of sustainable solutions visit Circulen | LyondellBasell.

Source : LyondellBasell



# Air Liquide to Build a World-Scale CO<sub>2</sub> Capture Unit to Contribute to Rotterdam's Industrial Basin Decarbonization

Air Liquide has announced that it will build, own and operate a world-scale carbon capture unit in the industrial basin of Rotterdam, the Netherlands, leveraging its proprietary Cryocap™ technology. The new unit will be installed at the Group's hydrogen production plant located in the port of Rotterdam and will be connected to Porthos, one of Europe's largest carbon capture and storage infrastructure aiming at significantly reducing CO<sub>2</sub> emissions in this large industrial basin.

Air Liquide will capture the CO<sub>2</sub> from its existing world-scale hydrogen plant in the port of Rotterdam, leveraging Cryocap™, a technological solution for CO<sub>2</sub> capture using a cryogenic process. Captured CO<sub>2</sub> will then be transported through the Porthos infrastructure, which is currently being developed,

and permanently stored in depleted gas fields in the North Sea, approximately 20 kilometers off the coast. The carbon capture unit will be operational in 2026. Through this project, Air Liquide will be able to supply hydrogen that will be significantly decarbonized, to its long-term customers, as contracted.

The Porthos infrastructure overall will enable to reduce emissions by 2.5 million tons of CO<sub>2</sub> per year – equivalent to around 10% of the current Rotterdam industry CO<sub>2</sub> emissions. The European Union has recognised Porthos as a major cross-border infrastructure project, contributing to the achievement of energy and climate policy objectives, and has included Porthos to the list of Project of Common Interest.

**Emilie Mouren-Renouard, mem-**

**ber of Air Liquide's Executive Committee and Chief Executive Officer of the Europe Industries Hub, said: "We are pleased to take another concrete step to contribute to the decarbonization of one of Europe's largest industrial basins while participating to the development of Porthos. This new world-scale CO<sub>2</sub> capture unit illustrates our expertise and commitment to implementing decarbonization solutions, both for our customers and our own assets, in line with the Group's ADVANCE strategic plan to reduce its CO<sub>2</sub> emissions by 33% by 2035."**

Source : Air Liquide

## Beijing New Building and Carpoly Reorganize, Paint Business Welcomes Major Breakthrough

On December 29, 2023, the signing ceremony of Beijing New Building to jointly reorganize Carpoly, one of the leading companies in China's coatings industry, was held in Beijing. Beijing New Building general manager Guan Li and Carpoly chairman Qiu Qiming signed the agreement on behalf of both parties.

**Zhou Yuxian, chairman of China National Building Material, said that the joint reorganization of Carpoly and Beijing New Building is a milestone event in its**

**coatings business and a major event in the Chinese coatings industry. The co-operation between the two parties will surely achieve the 1+1>2 strategy. The synergistic effect will also effectively promote the healthy development of China's coatings industry.**

Beijing New Building takes the three major businesses of gypsum board, waterproof materials and coatings as its

core and constantly explores new development space. Carpoly is one of the leading companies in Chinese coatings industry, with good brand awareness and a complete sales network. It ranks among the top five in China for architectural decorative coatings, the top three for furniture coatings, and the top 30 in the global coatings industry. Carpoly's joining Beijing New Building will help Beijing New Building's coatings business launch a new round of strong development and achieve a substantial increase in revenue, profits and industry influence.

Source : Echemi



# Nippon Paint Energy Storage Cabinet Powder Coating Solution Provides SolaX Power and PYLONTECH

Recently, Nippon Paint has reached cooperation with SolaX Power and PYLONTECH. Nippon Paint's innovative powder coating solution for energy storage cabinets has been successfully applied to the energy storage cabinet products of two companies, providing superior performance protection for various parts of energy storage equipment, further confirming Nippon Paint's leading strength in the field of new energy parts coating.

Under the guidance of the dual carbon goals, clean energy transformation has entered the fast lane. China's "14th Five-Year Plan" proposes to support the construction of a new power system and accelerate the high-quality and large-scale development of new energy storage. At present, the energy storage field has become the investment focus of energy giants.

Energy storage cabinet is a device that stores and manages electrical energy. It is widely used in electric vehicles, solar power generation, grid peak shaving, home energy storage and other fields. Since energy storage cabinets are usually placed in outdoor environments, the anti-corrosion and weather resistance of their internal and external surfaces is crucial. To this end, Nippon Paint has launched a comprehensive coating product portfolio, including pre-treatment, electrophoretic coating, powder coating, liquid coating, structural adhesive, thermal insulation coating and fire retardant coating, etc. Among them, powder coatings exhibit excellent weather resistance, impact resistance and corrosion resistance due to their excellent mechanical and physical and chemical properties.

Based on the field of new energy components, Nippon Paint integrates the technological advantages of resin system powder coatings to create powder coating solutions for energy storage customers. Nippon Paint powder coating is a zero-VOC solvent-free coating. It has good adhesion, insulation and voltage resistance, corrosion resistance and aging resistance. The coating is uniform and stable. The thickness is generally 80-300μm. It can meet different needs in an efficient and environmentally friendly manner.

At the same time, Nippon Paint's powder coating process can well adapt to the metal materials, shapes, structures and sizes of different parts, reducing the difficulty of refined construction with the support of coating equipment.

In the practice of painting energy storage cabinets, Nippon Paint focuses on the entire process from workshop painting to outdoor use, giving full play to the practicality and convenience of powder coating.

Previously, Nippon Paint's NPAN series insulating powder has demonstrated excellent voltage resistance in the Envision Energy energy storage cabinet battery tray project.

It is also used in the energy storage insulation equipment supporting the power swap project of State Power Investment Corporation to ensure smooth supply to customers with insulation voltage resistance and construction convenience. With the advantages of low carbon and environmental protection, Nippon Paint's NPDT series of weather-resistant powders also meet the green standards

of PYLONTECH, SolaX Power, and other household energy storage cabinet customers. In addition, Nippon Paint has also developed high-performance epoxy primer and super weather-resistant powder to meet the material and process needs of commercial storage cabinet customers such as JinkoSolar and RelyEZ Energy.

**The supply of SolaX Power and PYLONTECH this time is an important recognition of China's new energy industry for Nippon Paint's technological innovation and application level. Nippon Paint said that in the future, it will continue to leverage its profound Chinese market heritage and globally coordinated R&D capabilities to provide new energy customers with higher-quality and environmentally friendly coating solutions, and unite the strength of the industrial chain to promote the green transformation of energy and power, helping China accelerate its journey towards carbon neutrality.**

nippon paint





# MacDermid Enthone Industrial Solutions Announces Acquisition of All-Star Chemical Company's Surface Finishing and Cleaning Chemical Solutions

WATERBURY, Conn., Jan. 4, 2024 /PRNewswire/ -- MacDermid Enthone Industrial Solutions, an Element Solutions Inc ("ESI") company and leading surface finishing technology provider, today announced the acquisition of All-Star Chemical Company's surface finishing and cleaning chemical solutions. Going forward, All-Star's proprietary chemical solutions will be integrated into the MacDermid Enthone Industrial Solutions portfolio.

**"We are thrilled to announce the addition of All-Star Chemical's metal finishing solutions to the MacDermid Enthone portfolio. This addition will further enhance our ongoing effort to provide indus-**

**try-leading surface finishing solutions and also bring exceptional talent to our organization," said Glen Breault, Vice President, North America at MacDermid Enthone Industrial Solutions. "All-Star Chemical's focus on customer service and strong partnerships within the automotive and EV sector align with our commitment to best-in-class service and industry-leading partnerships."**

Established in 1983, All-Star Chemical Company, a family owned and operat-

ed business, has a rich history of supplying high quality products and service to their customers. The business is headquartered in Westerville, Ohio and serves customers across the mid-western United States.

"Together, with the team at MacDermid Enthone, we are excited about the future," said Brian Saas, President of All-Star Chemical Co, who will be joining the MacDermid Enthone team. "We are confident that this transition will provide our customers with the best avenue for growth and success."

As the surface finishing industry continues to evolve, both companies are committed to securing a profitable and sustainable future for their customers and the markets they serve.

Source : MacDermid Enthone Industrial Solutions

## Clariant Proudly Celebrates 40 Years of Desiccant Manufacturing and Innovation in Belen New Mexico USA

- The Belen, NM, USA site opened in 1983 and has been processing responsibly mined bentonite clay into desiccant packets and bags for the past 40 years
  - The site has provided innovative solutions for industries such as intermodal transport, packaging, electronics and semiconductors, nutraceuticals and food protection
  - Beginning with Desi Pak™ bentonite clay desiccants, the site has developed other leading brands such as Container Dri™ II cargo desiccants, Sorb-It™ silica gel desiccants, Tri-Sorb™ molecular sieve desiccants and more
- CHARLOTTE, December 7, 2023 - Clariant, a sustainability-focused specialty chemical company, is celebrating the 40th anniversary of the Belen,

NM, USA desiccant manufacturing site. Beginning in 1983 with Desi Pak bentonite clay desiccants, the site has developed a range of innovative products for varied industries including intermodal transport, electronics and semiconductors, aerospace and defense, packaging, food protection, apparel and textiles, medical devices, and health and personal care.

**"This celebration is an**



CphI - Informa Group			
No	Exhibitions	Date	Place
1	<a href="#">CPhI North America</a>	May 7-9, 2024	Pennsylvania Convention Center, Philadelphia
2	<a href="#">CPhI Barcelona</a>	Oct 24-26, 2024	Fira Barcelona Gran Via, Spain
3	<a href="#">CPhI Middle East &amp; Africa</a>	Dec 10-12 2024	Riyadh, Saudi Arabia
4	<a href="#">CPhI China- Virtual CPhI</a>	June 19-21, 2024	Shanghai, China
5	<a href="#">CPhI Japan</a>	Apr 17-19, 2024	Tokyo, Japan
6	<a href="#">CPhI Korea</a>	Aug 27 - 29, 2024	COEX, Seoul, Korea
7	<a href="#">CPhI India</a>	Nov 26-28, 2024	Noida, India
MECS (Coating Show)			
1	<a href="#">Asia Pacific Coatings Show</a>	Sept 11-13, 2024	Indonesia
2	<a href="#">Saudi Arabia Coatings Show</a>	2025	Dammam Saudi Arabia
3	<a href="#">Middle East Coatings Show</a>	April 16-18, 2024	Dubai World Trade Centre
4	<a href="#">Coatings For Africa 2024</a>	June 19-21, 2024	Johannesburg, South Africa
DYE+CHEM			
1	Dye+Chem Morocco International Expo	TBD	Morocco
2	43rd Dye+Chem Sri Lanka International Expo	Feb 29 - 2 March 2024	Colombo Sri Lanka
3	<a href="#">Dye+Chem Bangladesh International Expo</a>	Sept 4-7 2024	Bangladesh
4	<a href="#">44th Dye+Chem Brazil International Expo</a>	July 10-12 2024	Brazil
Red Carpet Events			
1	<a href="#">Bangladesh Int'l Dyes, Pigments and Chemicals Expo</a>	Oct 24-26, 2024	Dhaka, Bangladesh
Turkey (Arkim Group)			
1	<a href="#">InterDye Textile Printing Eurasia</a>	Nov 27-29 2024	Istanbul, Turkey
2	<a href="#">Paint Istanbul TURKCOAT</a>	May 8-10, 2024	Istanbul
3	Paint Expo Eurasia	Apr 09-12, 2024	Messe Karlsruhe
Other Exhibitions			
1	<a href="#">Paint India</a>	Feb 22-24, 2024	Bombay Exhibition Centre, Mumbai
2	<a href="#">Expo Paint and Coating</a>	Jun 27-29, 2024	Pragati Maidan, New Delhi
3	CIPI	TBD	Mumbai, India
4	<a href="#">Chemspec Europe</a>	June 19-20, 2024	Germany
5	<a href="#">ChemUK Expo</a>	May 15-16, 2024	NEC, Birmingham, UK
6	American Coatings Show	April 30-2 May 2024	Indianapolis
7	<a href="#">China Coat China</a>	Dec 2024	China Import & Export Complex, Guangzhou
8	Interdye China	Apr 17-19, 2024	Shanghai, China
9	<a href="#">Paint Expo Germany</a>	Apr 09-12, 2024	Messe Karlsruhe Germany
10	<a href="#">India Chem 2024</a>	Apr-18-19 2024	Mumbai Exhibition Centre, India
11	<a href="#">Water Expo 2024</a>	Sept 10-12 2024	New Delhi
12	<a href="#">Inacoating 2024</a>	July 30-Aug 1, 2024	JlExpo Kemayoran, Jakarta - Indonesia
13	<a href="#">Expo Paint &amp; Coating</a>	Sept 19-21, 2024	ICC Dhaka, Bangladesh



## EVENTS AND CONFERENCES

### PAINTISTANBUL & TURKCOAT 2024

**Date:** May 08-10, 2024

**City:** Istanbul Expo Center (Istanbul Fuar Merkezi), Bakırköy/Istanbul, Turkey

**Country:** Turkey

**Website:** <https://10times.com/turkcoat>

**Description:** "International Exhibition of Coatings, Inks, Adhesives, Sealants, Construction Chemicals."

Paintistanbul & Turkcoat is a significant event for the paint and coating industry, attracting exhibitors and visitors from various countries. It provides an opportunity to explore new products and services and to network with industry professionals.

### PAINT INDIA

**Date:** Feb 22-24, 2024

**City:** Bombay Exhibition Centre, Mumbai

**Country:** India

**Website:** <https://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.

### MIDDLE EAST COATING SHOW

**Date:** Apr 16-18, 2024

**City:** Dubai World Trade Centre

**Country:** Dubai

**Website:** <https://www.middleeastcoatingsshow.com/>

**Description:** With more than 29 years in the industry, the Middle East Coatings Show has established itself as the only trade event dedicated to the coatings industry in the Middle East. For three days, the trade exhibition 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 Middle East and North Africa.

### PAINT EXPO GERMANY

**Date:** Apr 09 -12, 2024

**City:** Karlsruhe, Germany

**Country:** Germany

**Website:** <https://www.admetalsurfacetreatment.com/events-stand-attendance/paint-expo/>





## EVENTS AND CONFERENCES

**Description:** PaintExpo takes place every other year in Karlsruhe as a showcase for innovations, applications, future technologies and trends covering all aspects of industrial coating. The trade fair spans the entire range of international products and services in the supply chain for industrial coating technology. The wide spectrum of products extends from spray guns, equipment and materials to automation technology. This globally unique get-together of companies from the industry is unparalleled worldwide, making it highly attractive for coating service providers and in-house coating companies from around the world.

### CPHI NORTH AMERICA

**Date:** May 07 -09, 2024

**City:** Pennsylvania Convention Center, Philadelphia

**Country:** North America

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

**Description:** Join a global network of pharma professionals connected year-round online and in-person. Attend pharma's largest event to discover further learning, innovation, and collaboration. As the exclusive pharma event in the Americas covering the end-to-end supply chain, it's the ONLY place to meet suppliers from all across our industry. Access endless opportunity to grow your business and expand your network at the heart of Pharma!

### EXPO PAINT & COATING

**Date:** June 27 - 28, 2024

**City:** Delhi,

**Country:** India

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

**Description:** Expo Paint & Coatings - 2024 is a comprehensive Paint & Coatings Exhibition providing platform to the needs of every facade of the coating industry right from raw materials, formulation, application, technology, finishing, quality assurance, recycling and disposal.

### CHINA INTERDYE 2024

**Date:** Apr 17 - 19, 2024

**City:** Shanghai World Expo Exhibition and Convention Center, Shanghai

**Country:** China

**Website:** <https://10times.com/china-interdye>

**Description:** "China International Dye Industry, Pigments and Textile Chemicals Exhibition"

China Interdye is a premier international show, conducted annually, for the Dyes and Dye Intermediates, Pigments and Textile Chemical industry. It is the perfect meeting point for the exhibitors to reach the global attendees and the perfect medium to know about the recent developments made in these industries.



**opportunity to express our appreciation to our customers, suppliers, employees, and the Valencia County community where the site is located,” comments Ryan Grauer, Head of Sales, Marketing, & Technology, Cargo & Device Protection, Clariant Adsorbents & Additives. “Everything that we have achieved has been the result of our dedicated teamwork and collaboration with our partners. We are grateful to everyone who has contributed to the success of this site.”**

Originally established in 1983 as United Desiccants (United Catalysts, Inc., Desiccant Division) by Munich-based Süd-Chemie AG, the Belen site was one of the original tenants of the Rio Grande Industrial Park in Valencia County. Using responsibly mined bentonite from their mine in Arizona, the site has spe-

cialized in the processing and packaging of high-grade activated bentonite clay desiccants, which quickly gained widespread recognition as a leading solution in military and industrial applications.

Shortly after, in 1989, Clariant Cargo & Device business segment North America (then United Desiccants) acquired Humidial Corporation and their Colton, California, site. As a leading provider and innovator of humidity indicator cards, Humidial offered a valuable complement to the portfolio of desiccants. Today, the combined experience of these companies brings together over 80 years of expertise in the field.

The portfolio includes Container Dri II cargo desiccants, Humitector™ humidity indicators and desiccator plugs, Sorb-It silica gel desiccants, and Tri-Sorb molecular sieve desiccants. Other products include DESVOCANT™ adsorbents, which offer a solution for controlling the accumulation of volatile organic compounds, and Oxy-Guard™ oxygen absorbers (scavengers), which minimize oxygen in food

packaging to prolong shelf-life and reduce preservative use. Desiccant Cartridges additionally provide moisture protection for containers, cases, and electrical and optical devices.

Earlier in 2023, Clariant launched the latest innovation in the portfolio, Desi Pak ECO, a responsibly mined natural bentonite clay desiccant in a plastic-free, bio-based package. The desiccant packets are specially designed moisture adsorbing solutions focused on sourcing raw materials and transportation packaging with a lower environmental impact.



“Our desiccant products are designed for any customer in need of moisture protection for their products,” adds Justin Mueller, Head of Adsor-

bents Americas. “With our decades of experience and worldwide network of state-of-the-art manufacturing sites and support teams, we are committed to delivering quality, reliability, and sustainability in all of our products.”

Source : Clariant

## Wayne E Jones JR to Serve as Chair of ACS Board of Directors

WASHINGTON, Dec. 5, 2023 — Wayne E. Jones Jr. was elected chair of the board of directors of the American Chemical Society (ACS). The one-year term begins on Jan. 1, 2024.

As chair of the Society’s 16-member chief governing body, Jones will preside over board and executive committee meetings, appoint chairs and members of board committees and task forces, oversee the performance of the chief

executive officer, and support strategic planning and evaluation of progress toward those goals, among other duties.

**Jones is provost and vice president for academic affairs at the University of New Hampshire. He earned a B.S. from St. Michael’s College in 1987 and a Ph.D.**

**in inorganic chemistry from the University of North Carolina at Chapel Hill in 1991. He has been a member of ACS since 1989.**

Source : Chemical Market



# SK On Co-Operates with Domestic and Foreign Companies to Advance the Intelligence of Battery Production Equipment

- SK On collaborates with Beckhoff, Cisco, IFM Electronic, Yaskawa Electric, and Woowon Technology to enhance battery production efficiency
- This initiative will establish the groundwork for a “smart factory” by improving productivity and minimizing downtime

SK On is advancing the intellectualization of battery production equipment through collaboration with domestic and international companies that possess global-level core technologies. This strategy aims to leverage Information and Communication Technology (ICT) to maximize equipment efficiency and enhance productivity.

On December 26 (KST), SK On formalized a six-party Memorandum of Understanding (MOU) with Beckhoff Automation, Cisco, IFM Electronic, Yaskawa Electric Korea, and Woowon Technology at the SK Green Campus in Jongno-gu, Seoul, South Korea. This MOU is aimed at enhancing the control and communication systems for battery production equipment.

SK On intends to verify the performance, quality, and stability of the technologies and services offered by these companies and discuss strategic cooperation for the intellectualization of battery production equipment. These efforts are expected to strengthen SK On's manufacturing competitiveness by reducing costs and

improving yield, without the need for extensive equipment remodeling.

In collaboration with its partners, SK On plans to explore advancements in critical components and systems associated with battery production equipment, including controllers overseeing equipment operation, smart sensors for monitoring, communication networks, and power devices.

Upgrading the controller is closely linked to improving equipment speed, which can contribute to increased production volumes. The use of intellectualized smart sensors enables quicker and more precise detection of equipment status and errors, leading to reduced recovery times and higher operational efficiency in the event of malfunctions.



The advancement of network systems is expected to result in reduced downtime and enhanced data redundancy and security. These advancements will lay the groundwork for remote control of equipment, further bolstering SK On's strategy to advance its “smart factory” initiative.

SK On previously announced that it plans to implement the latest equipment and technologies in the Seosan Plant 3, which is currently under construction, to establish a “smart factory” and also apply such cutting-edge solutions in its existing factories to boost productivity.

The companies collaborating with SK On are globally acclaimed for their expertise in industrial equipment control and telecommunication technologies. Beckhoff and IFM, both based in Germany, specialize in automation solutions and smart sensors, respectively. Yaskawa Electric, established in Japan in 1915, is renowned for manufacturing industrial robots and machinery, while Cisco, headquartered in the U.S., is the world's leading network equipment provider. Woowon Technology is a Korean company specializing in battery assembly equipment.

Through their collaboration with SK On, a global battery specialist, these companies anticipate to not only heighten expertise in control and communication solutions for battery production equipment, but also bring about positive business outcomes, such as increased sales and expansion opportunities.

**Oh Ki-young, Heade of SK On's Factory Innovation, said, “Through this collaboration, SK On aims to lay the foundation for building a smart factory through the intellectualization of production equipment. We are committed to collaborating with both our local and global partners possessing global competitiveness to enhance our manufacturing strength.”**

Source : SK Innovation



Booking price as on 12/12/2023		
Current Exchange rate- $\$1 = 83.04$ INR		
Chemicals name	Current Prices	Location
Acetic Acid	435-440	CFR India
Acrylonitrile	1250	CFR India
Benzene	925-930	FOB India
Phenol	1030	CFR India
Acetone	875	CFR India
Butyl acrylate monomer	1140-1150	CFR India
C9 solvent	1120	CFR India
LAB	1580-1600	CFR India
IPA	1100-1150	CFR India
Methanol	300-305	CFR India
VAM	880-890	CFR South Asia
Toluene	980-990	CFR India
Styrene monomer	1170-1180	CFR India
NBA	1000-1050	CFR India
2-eha	1300-1350	CFR India
Iso butanol	1000-1070	CFR India
MEG	550	CFR India
Mix xylene	970-980	CFR India
Glycerine	700	CIF India
DMF	900	CFR India
Acrylic acid	1020	CIF India
Formic Acid	650	CFR India
Adipic Acid	1300	CIF India
Ethylene	945-950	CIF India
PTA	840-850	CFR India
Propylene	795-805	CIF India
THF	1975	CIF India
Note- All above booking prices have been directly collected from intenders and importers and verified.		

Mumbai Market Price as on 12/01/2024				
Name of Chemical	Packing type	Units	Current Price	Exclusive of
Acetic Acid	Imported Repack	Rs/Kg	52	GST
	Domestic Intact	Rs/Kg	65	GST
	Domestic Repack	Rs/Kg	52	GST
Acetone	Imported Intact	Rs/Kg	NA	GST
	Imported Repack	Rs/Kg	93	GST
	Domestic Intact	Rs/Kg	105	GST
	Domestic Repack	Rs/Kg	93	GST





Acetonitrile	Imported Intact	Rs/Kg	150	GST
	Domestic Intact	Rs/Kg	185	GST
	Domestic Repack	Rs/Kg	135	GST
Acrylonitrile	Imported Intact	Rs/Kg	145	GST
	Imported Repack	Rs/kg	130	GST
Aniline	Imported Intact	Rs/Kg	154	GST
	Imported Repack	Rs/Kg	150	GST
	Domestic Intact	Rs/Kg	156	GST
	Domestic Repack	Rs/Kg	NA	GST
Benzene	Domestic Repack	Rs/Litre	90	GST
Cyclohexane	Imported Intact	Rs/Kg	135	GST
	Imported Repack	Rs/Kg	108	GST
	Domestic Intact	Rs/Kg	115	GST
	Domestic Repack	Rs/Kg	110	GST
Cyclohexanone	Imported Intact	Rs/Kg	150	GST
	Imported Repack	Rs/Kg	145	GST
	Domestic Intact	Rs/Kg	160	GST
	Domestic Repack	Rs/Kg	146	GST
C9 Solvent (99.99% purity)	Imported Repack	Rs/Kg	110	GST
C9 Solvent (Arham Petrochem)	Imported Repack	Rs/Kg	109.75	GST
Dibutyl Phthalate	Domestic Intact	Rs/Kg	134	GST
Diethyl Phthalate	Imported Intact	Rs/Kg	NA	GST
	Domestic Intact	Rs/Kg	170	GST
Ethyl Acetate	Domestic Intact	Rs/Kg	92	GST
	Domestic Repack	Rs/Kg	89	GST
Formaldehyde(37%)	Domestic Intact	Rs/Kg	NA	GST
	Domestic Repack	Rs/Kg	18	GST
Methanol	Imported Repack	Rs/Litre	34	GST
Methyl Ethyl Ketone	Imported Intact	Rs/Kg	132	GST
	Imported Repack	Rs/Kg	120	GST
Methyl Isobutyl Ketone	Imported Intact	Rs/Kg	158	GST
	Imported Repack	Rs/Kg	148	GST
	Domestic Repack	Rs/Kg	NA	GST
Methyl Methacrylate	Imported Intact	Rs/Kg	153	GST
	Imported Repack	Rs/Kg	NA	GST
Mixed Xylene	Imported Repack	Rs/Kg	90	GST
	Domestic Repack	Rs/Kg	91	GST
Monoethylene Glycol	Imported Intact	Rs/Kg	NA	GST
	Imported Repack	Rs/Kg	57	GST
	Domestic Intact	Rs/Kg	65	GST
	Domestic Repack	Rs/Kg	57	GST



Iso propyl Alcohol	Imported Intact	Rs/Kg	NA	GST
	Imported Repack	Rs/Kg	125	GST
	Domestic Intact	Rs/Kg	145	GST
	Domestic Repack	Rs/Kg	125	GST
nButanol	Imported Intact	Rs/Kg	117	GST
	Imported Repack	Rs/Kg	108	GST
	Domestic Intact	Rs/Kg	120	GST
	Domestic Repack	Rs/Kg	108	GST
Ortho Xylene	Imported Repack	Rs/Kg	99	GST
Phenol	Imported Intact	Rs/Kg	NA	GST
	Imported Repack	Rs/Kg	100	GST
	Domestic Intact	Rs/Kg	105	GST
	Domestic Repack	Rs/Kg	100	GST
Phthalic Anhydride	Imported Intact	Rs/Kg	97	GST
	Domestic Intact	Rs/Kg	97	GST
Purified Terethaic Acid	Domestic Intact	Rs/Kg	NA	GST
Styrene Monomer	Imported Repack	Rs/Kg	111	GST
Toluene	Imported Repack	Rs/Kg	92	GST
	Domestic Repack	Rs/Kg	92	GST
Vinyl Acetate Monomer	Imported Repack	Rs/Kg	82	GST
Note-Above prices have been collected from experts and experienced outsources of the industry.Kindly verify from your end as well.				

International market prices as on 12/01/2024		
Products	Regions	Current prices
Feedstock Prices \$/unit		
Crude Oil (\$/barrel)	WTI CRUDE	73.68
	BRENT CRUDE	79.12
	MARS US	79.33
	OPEC BASKET	78.28
Natural Gas	New York	3.17
Gasoline	RBOB	2.16
Heating Oil	US	2.73
Ethanol	US	1.58
Naphtha (\$/mt)	FOB Singapore	557
	European	630
	CFR Far East Asia	664
Propane	New York	0.76
Aromatics prices \$/MT		
Benzene	FOB Korea	910
	CFR Japan	945



Styrene	CFR Japan	1035
	CFR South East Asia	1050
	CFR China	1040
	FOB Korea	1020
Toluene	CFR China	810
	CFR South East Asia	900
	FOB Korea	835
	CFR Japan	810
Iso-mix xylene	CFR South East Asia	860
	CFR Taiwan	890
	FOB Korea	875
MEG	CFR China	520
	CFR South East Asia	535
Methanol	CFR China	277
	CFR Korea	340
	CFR South East Asia	347
	CFR Taiwan	332
Solvent-MX	CFR South East Asia	815
	FOB Korea	755
	CFR China	815
Ortho xylene	CFR South East Asia	1005
	FOB Korea	1035
	CFR China	995
Para xylene	CFR South East Asia	1010
	FOB Korea	975
	CFR Taiwan	1005
Propylene	FOB Japan	795
	FOB Korea	790
	CFR China	820
	CFR South East Asia	835
Propylene Glycol	FOB Korea	895
	CFR China	920
	CFR South East Asia	925
	CFR Taiwan	920
Ethylene	CFR North East Asia	860
	CFR South East Asia	845
	FOB Japan	835
	FOB Korea	840
Ethylene Di Chloride (EDC)	CFR Far East Asia	325
	CFR South East Asia	345



Butadiene	CFR China	1055
	CFR South East Asia	925
	FOB Korea	1005
FOB Rotterdam USD/MT	Benzene	975
	Methanol	271
	Ortho xylene	1285
	Para xylene	1040
	Xylene solvent	870
	Styrene	1040
	Toluene	955
USA Aromatics prices FOB US Gulf	Benzene C/G	358
	Toluene C/G	346
	Styrene C/LB	43.5
	Para xylene \$/MT	1065
	Mix xylene C/G	351
	Methanol C/G	93
Intermediates prices \$/MT		
Acrylonitrile	CFR Far East Asia	1235
	CFR South East Asia	1235
	CFR South Asia	1235
EDC	CFR Far East Asia	330
	CFR South East Asia	350
VCM	CFR Far East Asia	600
	CFR South East Asia	620
MTBE	FOB Singapore	817
	FOB US Gulf	879
Phenol	CFR China	910
	CFR South East Asia	975
	FOB US Gulf	1335
	FOB Rotterdam	1089
Acetone	CFR China	795
	CFR South East Asia	900
	CFR Far East Asia	685
	FOB US Gulf	1700
	FOB Rotterdam	1065
Caprolactum	CFR Far East Asia	1645
	CFR South East Asia	1645
Caustic Soda	FOB North East Asia	335
	CFR South East Asia	400
PTA	CFR Far East Asia	750
	CFR South East Asia	760





Ethyl acetate	FOB US Gulf	1672
	FOB Rotterdam	1087
	FD North West Europe(Euro/mt)	1090
Butyl acetate	FOB US Gulf	2180
	FOB Rotterdam	1383
	FD North West Europe(Euro/mt)	1360
MEK	FOB Rotterdam	1317
	FD North West Europe(Euro/mt)	1300
IPA	FOB US Gulf	1150
	FOB Rotterdam	2086
	FD North West Europe(Euro/mt)	2000
NBA	CFR China	1095
	CFR South East Asia	1095
	CFR Far East Asia	1080
Octanol	CFR China	1405
	CFR South East Asia	1345
	CFR Far East Asia	1390
DOP	CFR China	1380
	CFR South East Asia	1430
	CFR Far East Asia	1375
Phthalic anhydride	CFR China	950
	CFR South East Asia	965
	CFR Far East Asia	945
Acetic Acid	CFR Far East Asia	470
	CFR South East Asia	445
	CFR South Asia	430
	FOB China	355
VAM	CFR China	870
	CFR South East Asia	885
	CFR South Asia	950
Polymers prices \$/MT		
PVC Suspension	CFR Far East Asia	740-760
	CFR South East Asia	740-770
ABS Injection	CFR Far East Asia	1300-1350
	CFR South East Asia	1320-1370

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



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

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DDP	Delivery Duty Paid	The seller is responsible for shipping the goods from his factory to the destination address provided by the buyer, usually his factory or warehouse and is also liable for any damage or loss of goods during transit. The seller also takes care of the customs, VAT, or import duties levied on the products. The buyer only has to receive the products at the destination. In most cases, most sellers only offer DDP for small shipments.	
FD North West Europe	Free Delivered	Free Delivered North West Europe	
Countries Groups	Southeast Asia is composed of eleven countries: Brunei, Burma (Myanmar), Cambodia, Timor-Leste, Indonesia, Laos, Malaysia, the Philippines, Singapore, Thailand and Vietnam.	Far East Asia: The following countries are considered to be located in the Far East: China, Hong Kong, Macau, Japan, North Korea, South Korea, Mongolia, Siberia, Taiwan, Brunei, Cambodia, East Timor, Malaysia, Laos, Indonesia, Myanmar, Singapore, Philippines, Thailand, and Vietnam.	South Asia: The region consists of the countries of Afghanistan, Pakistan, India, Nepal, Bhutan, Bangladesh, the Maldives, and Sri Lanka
Note- Last changed price means when it changed last whether its yesterday or 2 days ago or 5 days ago or depends on last changing.			

Opening Ports Price (Rs/kg) of Chemicals as on 12/01/2024				
USD Exchange Rate: 83 INR				
Alphabets	Chemicals Name	Current Prices (INR/kg)	Prices in USD/mt Equivalent to INR/kg	Location
A	Acetic Acid	45	542.17	Ex-Mumbai
	Acetic Acid	44	530.12	Ex-Kandla
	Acetonitrile-imported intact	145	1746.99	Bhiwandi
	Acetone	87	1048.19	Ex-Mumbai
	Acrylic acid	87	1048.19	Ex-Mumbai
	Acrylonitrile	111	1337.35	Ex- Kandla
	Adipic acid	116	1397.59	Ex-Bhiwandi
	Aniline oil	140	1686.75	Ex-Kandla
B	Benzene	NA (76 BPCL)	Not Available	Ex-Vizaz
	Butyl Acetate	106	1277.11	Ex-Kandla
	Butyl Acrylate monomer	115	1385.54	Ex-Kandla
	Butyl Glycol	133	1602.41	Ex-Kandla
H	N-Heptane	165	1987.95	Ex-Bhiwandi
	Hexane	83.5	1006.02	Ex-Kandla
	Hydrogen Peroxide-50%	31	373.49	Ex-Bhiwandi



C	C10	88	1060.24	Ex-Kandla
	C9	85	1024.10	Ex-Kandla
	Carbon Black-regular grade	65	783.13	Mumbai
	Caustic Soda Lye	33	397.59	Ex-Dahej
	Chloroform	13	156.63	Ex-Dahej
	Citric Acid-ANHYD	70	843.37	Ex-Bhiwandi
	Citric Acid-Mono	62	746.99	Ex-Bhiwandi/ Ex-Mumbai
	Cyclohexane	96	1156.63	Ex-Hazira
	Cyclohexanone	127	1530.12	Ex-Kandla
D	DMF Drum	76	915.66	Ex-Bhiwandi
	DIBP & DINP intact drum	128,129	1543722.89	Mumbai Mar- ket
	DEG	67.5	813.25	Ex-Kandla
E	EDC	33	397.59	Ex-Kandla
	Epoxy Resin	165	1987.95	Ex-Nhava Sheva
	Ethyl Acrylate	136	1638.55	Ex-port
F	Formic Acid	65	783.13	Ex-Bhiwandi
G	Glycerine	NA	Not Available	CIF Nhava Sheva
I	Isobutanol	102	1228.92	Ex-Kandla
	IsoPropyl Alcohol	117	1409.64	Ex-Kandla
	IsoPropyl Alcohol	119	1433.73	Ex-Mumbai
L	LAB	NA	Not Available	Imported
M	Maleic Anhydride-Drum	86	1036.14	Ex-Mumbai
	MDC	30	361.45	Ex-Dahej
	MEG	50	602.41	Ex-Mumbai
	MEK	109	1313.25	Ex-Kandla
	Melamine	NA	Not Available	Imported
	Meta Para Cresol	NA	Not Available	Ex-Bhilai
	Methanol	26	313.25	Ex-Kandla
	Methanol	26	313.25	Ex-Mumbai
	MIBK	133	1602.41	Ex-Hazira
	Mix Xylene-Solvent Grade	79	951.81	Ex-Kandla
	Mix Xylene-Solvent Grade	80	963.86	Ex-Mumbai
	Mix Xylene-Iso Grade	79	951.81	Ex-Kandla
	Mix Xylene-Iso Grade	NA	Not Available	Ex-Mumbai
	MMA	156	1879.52	Ex-Hazira
N	N-Butanol	103	1240.96	Ex-Kandla
	N-Propanol	82	987.95	Ex-Kandla





O	Octanol	145	1746.99	Ex-Kandla
	Ortho Cresol	250	3012.05	Ex-Bhilai
	Ortho Xylene	90	1084.34	Ex-Kandla
P	Phenol	87	1048.19	Ex-Kandla
	Phenolic Resin	140	1686.75	Ex-Indore
	Phthalic Anhydride	96	1156.63	Ex-Mumbai
	Propylene Glycol	NA	Not Available	Ex-Kandla
S	Sodium Nitrate (50Kg Bag)	61	734.94	Ex-Taloja Plant(Make -Lasons)
	Soda ash light	38	457.83	Ex-Bhiwandi
	Styrene Monomer	95	1144.58	Ex-Kandla
	Styrene Monomer	97	1168.67	Ex-Mumbai
	Sulphuric Acid	4.5	54.22	Ex-Vapi
T	Tio2(Anatase Grade)	180	2168.67	Ex-Bhiwandi
	Tio2(Rutile Grade)	210	2530.12	Ex-Bhiwandi
	Toluene	79	951.81	Ex-Kandla
	Toluene	81	975.90	Ex-Mumbai
V	VAM	71	855.42	Ex-Kandla
	VAM	73	879.52	Ex-Hazira
Numbers	2,4-2,5 Xylenol	NA	Not Available	Ex-Bhilai

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

### Producer Prices (Rs/kg) of Chemicals as on 12/01/2024

Producers	Chemicals Name	Current Price(Rs/kg)	Import parity price in USD/MT	Production capacity	Location
RIL	Toluene	79	951.81	100,000 tonnes/year	Jamnagar
	Mix Xylene	78	939.76	120,000 tonnes/year	Jamnagar
	MEG	53.6	645.78	750,000 tonnes/year	Jamnagar
	DEG	68.5	825.30	65,000 tonnes/year	Jamnagar
	TEG	117.5	1415.66	NA	Jamnagar
	LAB	135.5	1632.53	180,000 tonnes/year	120ktpa Patalganga, 60ktpa Vadodra
	PTA	85	1024.10	1,300,000 tonnes/year	Dahej



IOCL	LAB	NA	Not Avail- able	120,000 tonnes/ year	Koyali, Gujarat
	MEG	51.9	625.30		Ex-Odisha(Paradip
	MEG	54.6	657.83		Ex-Panipat
	DEG	64.6	778.31		Ex-Odisha(Paradip
	DEG	66.9	806.02		Ex-Panipat
	Banzene	69	831.33		Vadodara, Gujarat
	Paraffin Wax	110	1325.30		
Deepak Pheno- lics	Phenol	85	1024.10	200,000 tonnes/ year	Dahej
	Acetone	85.5	1030.12	80.5	Dahej
	IPA Bulk	117	1409.64	30,000 tonnes/ year	Dahej
Arham Petro- chem Pvt Ltd (Kandla Energy & Chemicals Ltd Refinery)	C9	84.75	1021.08	69,000 tonnes / year	Kandla
	C9	85.75	1033.13	69,000 tonnes / year	Ahmedabad
	C10	87.5	1054.22	30,000 tonnes / year	Kandla
	C10	87	1048.19	30,000 tonnes / year	Ahmedabad
	C10 - Imported Repack	100.75	1213.86	30,000 tonnes / year	Bhiwandi Warehouse
	MTO/White Spirit(kl)	59.65	718.67	75000 tonnes / Year	Kandla
	MTO/White Spirit(kl)	60.65	730.72	35,000 tonnes / year	Ahmedabad
	De-Aromatised D40	130	1566.27	75000 tonnes / Year	Kandla
	De-Aromatised D40	131	1578.31	35,000 tonnes / year	Ahmedabad
	De-Aromatised D60	139	1674.70	75000 tonnes / Year	Kandla
	De-Aromatised D60	140	1686.75	35,000 tonnes / year	Ahmedabad
HOCL	Phenol	100	1204.82	40,000 tonnes/ year	Kochi
	Acetone	80	963.86	24640 tonnes/ year	Kochi
GNFC	Acetic Acid	46	554.22	160,000 tonnes/ year	Bharuch
	TDI Drum	292	3518.07	67000 tonnes/ year	Bharuch
	Aniline Oil	131	1578.31		Bharuch



SI GROUP	Phenol	NA	Not Avail-able	39500 tonnes/year	Ratnagiri, Maharash-tra
	Acetone	NA	Not Avail-able	24000 tonnes/year	Ratnagiri, Maharash-tra
	Phthalic Anhydride	89	1072.29	11000 tonnes/year	Ratnagiri, Maharash-tra
	Benzene	NA	Not Avail-able	NA	NA
Andhra Petro-chemicals	Octanol	145	1746.99	70,000 tonnes/year	Vishakhapatnam
	N-Butanol	100	1204.82	30,000 tonnes/year	Vishakhapatnam
	Iso-Butanol	94	1132.53	4000 tonnes/year	Vishakhapatnam
Adipic acid	Ex-Deepak	NA	Not Avail-able		
	Ex-BASF	122	1469.88	210,000 tonnes/year	Germany
NIRMA	LAB	135	1626.51	120,000 tonnes/year	Vadodra
TATA Chemicals	Soda Ash light	39	469.88	900,000 tonnes/year	Mithapur
GACL	Soda Ash light	NA	Not Avail-able		
GNFC	Acetic Acid	46	554.22	160,000 tonnes/year	Bharuch
	TDI Drum	292	3518.07	67000 tonnes/year	Bharuch
	Aniline Oil	131	1578.31		Bharuch
Ethyl Acetate	GNFC	81.5	981.93	50000 tonnes/year	Bharuch, Gujarat
	Accord	78	939.76		
	Satyam	79	951.81	50 tonnes/day	Nevasa, Maharashtra
	Bhange	NA	Not Avail-able	400ltr/day	Ahmednagar, Maha-rashtra
	Jubilant	80	963.86	280 tonnes/day	Gajraula, U.P
	Laxmi	81.5	981.93	100000 tonnes/annum	Mahad, Maharashtra
Caustic Soda Lye	Meghmani	NA	Not Avail-able	400000 tonnes/annum	Bharuch, Gujarat
	GACL	32	385.54		
	RIL	32	385.54	69500 tonnes/annum	Kurnool Distric, Andhra Pradesh



BPCL	Benzene	74.85	901.81	90,000 tonnes/ year, Mumbai Refinery,	87000 tonnes/ year,Kochi
	Toluene	80	963.86	16,000 tonnes/ year	Kochi Refinery
	Hexane(kl)	94.95	1143.98	35,000 tonnes/ year, Kochi	Mumbai Refinery
	Hexane(MT)	143	1722.89	35,000 tonnes/ year, Kochi	Mumbai Refinery
	MTO(kl)	83.55	1006.63	19,000 tonnes/ year	Mumbai Refinery
	Paraffin Wax	110	1325.30		
	Sulphur(Molten)	10.49	126.39	19,000 tonnes/ year	Mumbai Refinery
	Acrylic Acid (Bulk)	70	843.37	47000 tonnes/ year	Kochi Refinery
	Acrylic Acid (Packed)	79	951.81		Kochi Refinery
	2-Ethyl Hexanol (B)	112	1349.40	47000 tonnes/ year	Kochi Refinery
	2-Ethyl Hexanol (P)	122.5	1475.90		Kochi Refinery
	N-Butanol(B)	97.3	1172.29	38000 tonnes/ year	Kochi Refinery
	N-Butanol(B)	90	1084.34		Kandla Installation
	N-Butanol(P)	100.5	1210.84		Kochi Refinery
	Iso-Butanol(B)	89	1072.29	7000 tonnes/ year	Kochi Refinery
	Iso-Butanol(P)	97	1168.67		Kochi Refinery
	Butyl Acrylate (B)	96	1156.63	180000 tonnes/ year	Kochi Refinery
	Butyl Acrylate (B)	96.5	1162.65		Kandla Installation
	Butyl Acrylate (P)	106	1277.11		Kochi Refinery
	2-Ethyl Hexyl Acry- late(B)	132.4	1595.18	10000 tonnes/ year	Kochi Refinery
	2-Ethyl Hexyl Acry- late(P)	142.4	1715.66		Kochi Refinery
MDC	Grasim	29	349.40	33000 tonnes/ year	Nagda, Madhya Pradesh
	Meghmani	29	349.40	397500 kg/ month	Ankleshwar, Gujarat
	Rayalseema	NA	Not Avail- able	40 tonnes/month	Bharuch, Gujarat
	GACL	29.25	352.41	NA	Bharuch, Gujarat
GSFC	Cyclohexane	95	1144.58	NA	Gujarat
	Cyclhexanone	NA	Not Avail- able	NA	Gujarat

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





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CAS-Number :-

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Molecular Formula :-

Available Qty :- 500.0000 Kgs

Price :- Available on Request

Markets :- Adhesives & Sealants | Water Treatment | Agro Chemicals | Dyes and Pigments |  
Inks and Printing | Soap & Detergents | Paper Industry | Leather Industry | Textile Industry

### ANTI DUSTING AGENT / 64742-56-9 / 3402



CAS-Number :- 64742-56-9

Molecular Weight :- mol/g

Package Size :- 50/200 Kgs HDPE Carboy

Molecular Formula :-

Available Qty :- 500.0000 Kgs

Price :- Available on Request

Markets :- Adhesives & Sealants | Water Treatment | Agro Chemicals | Dyes and Pigments |  
Inks and Printing | Soap & Detergents | Paper Industry | Leather Industry | Textile Industry

### DIETHYL OXALATE / DIETHYL OXALATE (DEO) / 95-92-1



CAS-Number :- 95-92-1

Molecular Weight :- 146.14 mol/g

Package Size :- ISO Tank, 20MT per Tank

Molecular Formula :- C<sub>6</sub>H<sub>10</sub>O<sub>4</sub>

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# Greenkote® and Durco Form Joint Venture to Explore European Coatings Market

**G**reenkote®, a leading international developer and supplier of anti-corrosion coatings, has announced that it will form a joint venture with Belgian coatings company Duroc NV. The new partnership will make Greenkote® coatings capabilities available directly to the EU and surrounding regions.

Commenting on the joint venture, Greenkote® PLC CEO Mgrk Gore said: "We are very pleased to be working with Duroc as they are one of the most experienced and respected metal coating service providers in Europe. Installing Greenkote® coating capabilities directly at the Antwerp factory will enable European customers to obtain our anti-corrosion coatings faster and easier. It will also significantly expand Greenkote®'s reach, adding to our current facilities in the UK and Italy."

**Maarten Van Bercklaer,**  
**Managing Director of**  
**Durco, added: "Greenkote®"**  
**will be an important ad-**

**dition to Duroc's range of**  
**metal protection functions.**  
**Our company specializes in**  
**surface treatments for fas-**  
**teners and small bulk parts,**  
**and Greenkote®'s thermal**  
**diffusion technology per-**  
**fectly meets the needs of**  
**these categories. "**

Over the next few months, the two companies will install major new Greenkote® equipment at Duroc's Antwerp facility for the production of advanced thermal diffusion coatings. The two companies have already started discussions and project evaluations with European customers interested in Greenkote®.

Greenkote® anti-corrosion coatings serve a wide range of industries, from automotive and rail to marine and construction, where products are exposed to weather and harsh and extreme corrosive environments. These coatings

meet and exceed numerous international corrosion protection standards such as C5 and more than 3,000 hours of standardized salt spray testing.

Greenkote® can be applied to many types of metal parts, from threaded fasteners to stamped parts and cast parts, in sizes from 5mm to 2m. In addition to superior corrosion protection, these unique coatings offer longer wear resistance, better adhesion and more conformal coverage, making the coatings ideal for complex 3D geometries such as threaded parts.

Greenkote® takes its name from the fact that the coating is also uniquely environmentally friendly. They are applied using a patented zinc-based dry heat diffusion process that requires no hazardous chemicals and produces no toxic by-products. The acid-free processing of Greenkote® also eliminates hydrogen embrittlement, a metal failure associated with many other coatings.

Source : Greenkote®Durco

## Nippon Paint Announces Acquisition Of VIBGYOR Paints & Chemicals

**N**ippon Paint has taken a significant stride in expanding its footprint in the Indian market with the complete acquisition of VIBGYOR Paints and Chemicals Pondicherry. The strategic move positions Nippon Paint as a major player in the industrial coatings sector, with a specific focus on bolstering its offerings for the Indian Railways.

VIBGYOR Paints and Chemicals Pondicherry will now operate as a division of Nippon Paint India. The acquisition is

designed to capitalise on VIBGYOR's established expertise in providing top-notch paints to Indian Railways.

**Sharad Malhotra, Director**  
**and President (Automotive**  
**Refinishes) at Nippon Paint**  
**India, expressed enthusi-**  
**asm about the acquisition,**  
**stating, 'The acquisition**

**of VIBGYOR Paints and**  
**Chemicals marks a step for-**  
**ward in our India growth**  
**strategy. Besides helping us**  
**gain a strong foothold in**  
**the Indian Railways, this**  
**acquisition also enables**  
**us to expand our commer-**  
**cial vehicles and industrial**



## paints business in the country.'

VIBGYOR Paints and Chemicals Pondicherry has carved a significant niche in the Indian paint market, particularly through its robust track record of supplying paints to Indian Railways and associated manufacturing entities. The company's man-

ufacturing unit in Ranipet, Tamil Nadu, strategically positioned with ample production capacity, is well-poised to meet the growing industrial demand.

By becoming a division of

Nippon Paint India, VIBGYOR gains access to Nippon Paint's technological advancements, supply chain strength,

and marketing capabilities. This strategic alignment is anticipated to further enhance VIBGYOR's position as a leading paint brand in India.

The acquisition underlines Nippon Paint's commitment to innovation and growth in the Indian market. As the company continues to strengthen its presence, this strategic move is poised to contribute significantly to its expansion into new sectors and solidify its position as a key player in the coatings industry.

Source : World Auto forum



## Sherwin-Williams Introduced Environmentally Adaptive Technology for Wood Coatings

Sherwin-Williams has introduced its SHER-WOOD Environmentally Adaptive (EA) Hydroplus technology, a revolutionary new waterborne wood coating that can be applied across a wide spectrum of environmental conditions without the productivity-sapping performance trade-offs commonly associated with waterborne coatings.

SHER-WOOD EA Hydroplus is a high-quality, self-sealing, water-reducible acrylic system available in both clear and pigmented finishes. With performance characteristics that rival some of its solvent-borne counterparts, it provides outstanding film hardness and chemical resistance that finishes demand. It's an ideal choice for manufacturers in the kitchen cabinet, furniture and building products markets that seek versatile and reliable, high-performance coatings in a wide range of colors.

With the ability to adapt to a broad range of environmental conditions, SHER-WOOD EA Hydroplus can help industrial wood shops stay productive and efficient by eliminating the compensatory application measures typically associated with waterborne coatings, all

while achieving a superior, high-quality finish.

**"There is massive demand for a waterborne product that can perform across a wide range of environmental conditions," said Kevin O'Neill, Marketing Director, Sherwin-Williams Industrial Wood. "Our customers have asked us for a solution like EA Hydroplus—our goal was to provide a robust technology that performs the**

**same on a hot day or a cold day, in a dry environment or a humid one, helping wood shops maintain optimal production without the need to compensate for less-than-ideal environmental conditions."**

The technology features the unique ability to hang in vertical spraying applications without running or sagging, enabling wood shops to maximize production while seizing the inherent benefits of waterborne coatings, including:

- Low VOC content and GREEN-GUARD Gold certified, helping shops meet their sustainability goals.





- No pot life—products can be stored after use for the next job.
- Easier cleanup and disposal of waste.
- Safer storage and transportation.

“EA Hydroplus is a game-changer in terms of how a waterborne coating is applied,” said Kevin O'Neill, Marketing Director, Sherwin-Williams Industrial Wood. “We achieved desirable, consistent performance in every scenario we

tested the product in—and it has outperformed competitive formulations when applied to substrates in terms of flow, leveling and hang.”

Additional benefits include:

- Applicable with the Sherwin-Williams Color Express program to deliver tight color strength designed to provide excellent batch-to-batch consistency

- Excellent flow, leveling and hang for a beautiful, smooth finish
- Superior resistance to scratching
- Improved sandability
- Self-sealability, with excellent hide in two coats
- Meets or exceeds KCMA test requirements when properly applied.

Source : Coatings World

## New Product Announcement: Offshore Anticorrosion Coating

**B**razilian technology development company WEG has reportedly developed a new coating for use in highly corrosive environments, increasing the durability and lifespan of assets on oil platforms.

According to a release from the company, WrapX is currently being used on several offshore platforms to help simplify equipment and structure maintenance while also providing resistance to corrosion.

The first offshore maintenance projects with the new technology have reportedly begun as previous tests have shown the performance of WEG's new line.

According to the release, two years of research and investments exceeding 1.5 million Reals (about \$308,059), in addition to equipment, performance tests and technical training have been contributed to this development.

he WrapX line reportedly utilizes elastomeric coatings to extend the integrity of the asset. For valve and flange maintenance, requiring constant interventions, the products can be easily removed and reapplied.

**According to Rafael Guerreiro Torezan, WEG Tintas Managing Direc-**

**tor, WrapX "allows the release of large areas where it will be applied in a few hours, unlike current processes where asset maintenance extends over several days." He added, "it is a sustainable technology with a 100% solid content, and in addition to the oil and gas sector, it can be applied in other environments with severe corrosion, such as mining, steel, and pulp and paper."**

The application was developed with the support of the Materials & Corrosion Technologies area of Petrobras' Research and Innovation Center (Cenpes), which encourages technology development in the country by aiding initiatives focused on innovation and sustainability.

Source : Paintsquare



**tor, WrapX "allows the release of large areas where it will be applied in a few**



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- Feature Your Products/Tech.
- No Fake Enquiries
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