

DYES & CHEMICAL MARKET

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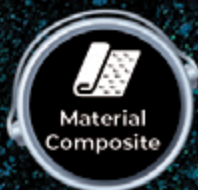


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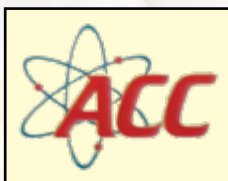
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CHEMICAL MARKET

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

How you doin'? - F.R.I.E.N.D.S

The title itself is a very famous statement from the popular comedy TV series "Friends". I am using the context to say hi, how you doing? to everyone in the chemical industry, whether it be the process engineers, researchers, PR Departments, CEO or the decision makers of the company. Well, this is not a flirtatious statement but it is more inclined to introduce myself as the promoter of the portal chemicalmarket.net. I would love to get a hello back and let us know your concerns in the chemical industry and we will help you reach out to the masses. There are several things yet to work on but ultimate goal is to connect everyone in the chemical industry as our tag line says "Connecting the chemical industry together!"

Today, I will discuss with you a few things about how the industry is doing in India? The number of orders that are bagged by chemical companies in 2024 is growing and as India leaps towards being the manufacturing hub of the world, this number will keep on increasing whether it is in the pharmaceuticals sector, the chemical sector or the energy sector. For example, the amount of interest shown by customers from Anupam Rasayan has been around Rs. 8000 crores and have already added orders worth Rs. 4000 crores.

Recently, Vipul Organics Total Revenues in Q3 of 2023-2024 stood at Rs. 3761 lakhs, up 38.88% from Q3 of 2022-23. Total Revenues in Nine Months Ended 31st December 2023 stood at Rs. 11044.99 Lakh, up 7.59% from the Nine Months ended on 31st of December 2022. Commenting on the results, Mr. Vipul Shah, Managing Director, Vipul Organics Limited, said: "The green shoots in the economy are reflected in our results. We are back on our growth trajectory, post the economic shocks of COVID. In this quarter, we also lay the foundation stone for our new facility at Sayakha which will be revenue accretive from F.Y. 2025-26. While global macro-economic factors are still a concern, we are seeing a robust demand for our products in the domestic market. Our newer offerings in sectors like Paper and Textiles are seeing huge traction and we are hoping for orders in the coming quarters".

Godrej Agrovet reported consolidated revenues from operations of Rs. 7,426.3 crores in 9M FY24 as compared to Rs. 7,278.7 crores in 9M FY23, a growth of 2.0% year-on-year. Q3 FY24 Profit after tax* increased to Rs. 84.6 crore from Rs. 67.0 crore in Q3 FY23, a growth of 26.3% year-on-year. In Q3 FY24, the Company reported consolidated revenues from operations of Rs. 2,345.2 crores as compared to Rs. 2,323.5 crores in Q3 FY23.

Also a major change is happening in the geo-political world with regards to the petrochemical industry. According to Valina Tcharkarova post on X (formerly Twitter), one of the most overlooked megatrends with serious geopolitical ramifications is that the US has not only become the top oil producer but also one of the greatest combined oil and gas exporters worldwide. And that means that the US has become a direct energy rival of Russia. As per reply from Vendata Chairman Mr. Anil Agarwal, India has the ability to produce low cost oil which can be as less as \$10 per barrel. Currently, the cost ranges from \$70 to \$80 per barrel. According to him, higher domestic production will benefit the people of the country and will lead to more affordable gas cylinders, a lot of new jobs will be created and thus lead to a huge foreign exchanges reserves that is used to import oil will be saved and can be invested in infrastructure and development of the people. I would surely like to add here, that though it would lead to that for the short term, but the longer term objective should be to build electric vehicles infrastructure and hydrogen powered vehicles and trains. Out of the total amount saved by producing in India and saving foreign exchanges, some percentage of the savings should be used to build this infrastructure and invest in renewal energy. The amount of money that will be invested in building batteries for cars, battery mega packs, build solar and wind farms, thermal and hydra power plants which will ultimately be recovered in the long run due to its renewable nature.

Praj Industries is one such company which focuses on sustainable bio fuel. Hon Union Minister Hardeep Singh Puri recently inaugurated Praj's Sustainable Aviation Fuel (SAF) demonstration facility at its R&D Center in Pune. Praj has developed a proprietary technology to process agricultural feedstock for the production of SAF that can be blended with Aviation Turbine Fuel (ATF). The hard to abate Aviation Industry is one of the largest consumers of fossil fuels and also an emitter of greenhouse gases (GHG). According to the India Brand Equity Foundation 2023 report, the government has set a target to operationalize 1000 UDAN routes and to revive 100 airports by 2024. Thus, India is the third largest and fastest-growing civil aviation market in the World. The low carbon SAF has a significant role in helping India achieve its net zero goal targets by 2070.

On a side note, there are several exhibitions coming up soon. Paint India will start from 22nd Feb 2024 to 24th Feb in Mumbai, Maharashtra. Same dates Salt India is in Bhavnagar, Gujarat.

- Rajiv Parikh



MUMBAI PRICE TREND – 17.01.2024	
Organic & Inorganic Chemicals	Price (Rs/Kg)
Acetone	99+
Phenolic	99+
Sorbic Acid	400+
Propylene Glycol Tech	116+
Butyl Carbitol Oucc Tawan	152+
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	138+
Toluene	92+
Benzene	88+
Ortho Xylen	100+
M. Xylene	95+
IPA.	143+
Meg	57+
Deg.	73+
Bam	143+
Methanol	34+
MTO.	75+

NBA	112+
Ethyl Acetate	84+
N. Proponal	93+
Pottasium Carbonate Imp	83+
DCDA	178+
SBC	1585+
Soda Ash	1540+
Acid	53+
Butyl	111+
B Cell	157+
DA	129+
DMA 40%	57+
EDC	44+
Hexane	72+
MCB	74+
MEK	113+
MMA 40%	49+
N Benzene	86+
N Pac	105+
Octonol	158+
Styrene	109+
VAM	84+
C9	105+
C Hexanone	138+
I Butanol	115+
Formal	19/25+

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.

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We assume no responsibility for availability of products at quoted prices.**

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CHENNAI PRICE TREND – 19.01.2024		
Inorganic Chemicals	No of Units Per Pack	Price (Rs/Kg)
Acid Slurry (Soft)	50 Kgs	118.00
Alum- Ferric	50 Kgs	19.00
Ammonium Bicarbonate	25 Kgs	25.00
Ammonium Bi Fluoride [sugar-grade]	50 Kgs	158.00
Ammonium Carbonate	50 Kgs	88.00
Ammonium Chloride	50 Kgs	24.00
Ammonium Nitrate	50 Kgs	30.00
Ammonium Phosphate (Mono)	50 Kgs	135.00
Ammonium Sulphate	50 Kgs	22.00
Antimony Trioxide	50 Kgs	950.00
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	104.00
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	84.00
Caustic Soda (Flakes)	25 Kgs	40.00
Caustic Soda (Prills)	50 Kgs	82.00
Chromic Acid Flakes	50 Kgs	320.00
Chlorinated Xylene	25 Kgs	85.00
Copper Sulphate	180 Kgs	208.00
Di ammonium Phosphate	50 Kgs	34.00
Diocylmalite	180 Kgs	82.00
Ferric Chloride (Anhydrous)	Naked	42.00
Ferrous Sulphate – Crystals	50 Kgs	16.00
Hydrochloric Acid	Naked	6.00
Hydrogen Peroxide 50%	50 Kgs	34.00
Hyflosupercell	22.7 Kgs	128.00
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	7200.00
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	110.00
Potassium Carbonate (Granules)	25 Kgs	92.00
Potassium Nitrate	50 Kgs	148.00
Potassium Permanganate [Tech]	50 Kgs	170.00
Potassium Permanganate [Pure]	50 Kgs	200.00
Potassium Phosphate (Di)	50 Kgs	158.00
S.L.E.S	50 Kgs	53.00


Soda Ash Light	50 Kgs	32.00
Sodium Bicarbonate	50 Kgs	33.00
Sodium Bichromate	50 Kgs	158.00
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	60.00
Sodium Hexameta Phosphate 68%	50 Kgs	128.00
Sodium Hydrosulphite [China]	50 Kgs	180.00
Sodium Metabisulphite	50 Kgs	39.00
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	52.00
Sodium Sulphide 58-60% (Flakes)	50 Kgs	52.00
Sodium Sulphite 92%	50 Kgs	52.00
Sodium Tri polyphosphate	50 Kgs	101.00
Titanium Dioxide Anatase	25 Kgs	190.00
Titanium Dioxide (Rutile - R-902)	25 Kgs	253.00
Trisodium Phosphate	50 Kgs	36.00
Zinc Chloride Powder (Tech.)	50 Kgs	79.00
Zinc Oxide White Seal	50 Kgs	235.00
Zinc Stearate [Pure]	25 Kgs	175.00
Zinc Sulphate (Tech.)	50 Kgs	58.00
Organic Chemicals	No of Units Per Pack	Price (Rs/Kg)
Acetic Acid Glacial	35 Kgs	69.00
Acetone	160 Kgs	97.00
Benzene	196 Ltrs.	92.00
Benzyl Alcohol	200 Kgs	185.00
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	30.00
Citric Acid (Anhy)	25 Kgs	85.00
Citric Acid (Mono)	25 Kgs	68.00
Cresote Oil	50 Kgs	64.00
Cyclohexanone	190 Kgs	145.00
D D Turpentine	200 Ltrs.	145.00
Diacetone Alcohol	195 Kgs	135.00
Diethylene Glycol	230 Kgs	85.00
Dimethyl Formamide	195 Kgs	95.00
Diocyl Phthalate	200 Kgs	145.00
Di-Pentene	200 Kgs	92.00



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		



set (Co-Founded by Scarlett Johansson and Kate Foster), VENN Skincare, Biologique Recherche, Therabody and many more. Beauty lovers and wellness gurus alike can expect curated and enriching programming, expert-led lectures and special offerings alongside an exclusive gifting suite, a first for Canyon Ranch.

"As a leader in the wellness, spa, and beauty space, we are excited to create this authentic moment for exceptional brands, industry leaders, and our guests to come together in a fresh, new way," says Leena Jain, Chief Marketing Officer of Canyon Ranch. "We have invested over 45 years of effort perfecting our spa and beauty business and, as such,

we wanted to celebrate what we feel is the future of the industry."

In all, over 25 brands will be showcased at the event, where they will host panel discussions, provide demonstrations, and offer bespoke services to Enchant attendees. Industry experts will speak about the latest developments in the space and their unique approaches to success. "I am eager to lend my voice to this exciting event where I can collaborate with fellow entrepreneurs, speak about new trends and ideas in the industry, and engage with other beauty and wellness brands," says Rachel Roy. "This is also an amazing opportunity for me to spend time and interact with Canyon Ranch guests who are devoted fans of spa and beauty." The Enchant experience is open solely to guests staying at Canyon Ranch in Tucson during

the festival dates, and each stay includes full registration access to all events and activities. Guests will also be invited to an exclusive gifting suite, hosted by the participating brands, where each guest can create their own swag bag valued at over \$2,000.

Similar programming will be rolling out across Canyon Ranch's other properties throughout 2024 including an Enchant experience at their Lenox, Massachusetts location slated for October 20-25. "We are anticipating this to be an annual event at our locations where we can unveil new experiences and interact with beauty purveyors that match our brand ethos in a new and exciting way," says Deirdre Strunk, Canyon Ranch's Senior Vice President of Spa and Beauty.

Source : PRNewswire

Paints: Unveiling the Unseen Transformation...

Introduction

Paints are the silent maestros of transformation. Residing in unassuming cans, wielding magical prowess when applied. The bulk of paints manufactured in India fall into the Automobile paints and the Construction Industry paints category. Its origins can be traced back to 1902, with the inception of a small factory "Shalimar Paints" in Kolkata. Over the years this sector has evolved dynamically, keeping in sync with the demands of our nation. With 70 % market dominance shared among 7 major companies, leaving the remaining 30% to around 3000 others, a seeming imbalance for a century-old technology.

Constituents and Process

The major components of a paint and their function comprise :

- **Pigments** : These provide color and opacity.
 - Organic pigments. Includes Azo and

pythalocyanine, which are synthetic. These are not plant-based. However, they yield the vibrant colors that are attributed to modern paints.

- Inorganic pigments - White in color, Titanium dioxide is very widely used.
- Resins act as binders. A few examples:-
 - Acrylic Resin. This is a binder used for Construction Industry paints. Adds to the durability and enhances the adhesive property of the product.
 - Alkyds for oil-based paints. Gives good adhesion and a smooth finish.
 - Epoxy for paints used in harsh Industrial Environments and marine applications
 - Polyurethanes for UV (ultraviolet) and abrasion resistance. Automobile paints fall into this category.
- **Solvents**
 - Water. This is the most common

solvent and is used for water-based paints. It is added to the paint at the site, before application.

- Turpentine / Mineral spirits. Acts as a thinner in oil-based paints. Added prior to application, it enables spreading. It evaporates leaving the mix of pigment and binder.
- Isopropyl Alcohol, Ketones, and Esters. These influence the drying rates which determine the quality of the end product.
- **Additives**
 - Thickeners. To adjust the consistency and viscosity for individual applications.
 - Anti-fungal Agents - Prevents the growth of algae and molds.
 - Stabilizers. Retain the chemical properties of the product and enhance shelf life during storage.
- **Fillers** - Calcium carbonate and Talc, improve paint texture.



- Chemical Intermediates - Cater to specialty paints.

Paint formulation involves a precise mix of the constituents under controlled process parameters. The plethora of choices leads to diverse end products, each with its unique specialties. Describing each process associated with a group would be voluminous, and thus beyond the scope of this article.

Raw material Import

Post-1993 liberalization in India saw a boom in the industry sector. Restrictions on the import of many items were lifted. The paint industry was among the beneficiaries. Today after nearly three decades of liberalization, we rely on imports for many items. Countries like China, Germany, the USA, South Korea, Taiwan, Japan, etc are on our import list for the paint sector. The list is long as there are multiple sources for the supply of the same item. This is a good sign as it reduces dependency on a single source and fosters healthy competition.

Special mention is made here of Titanium dioxide, a chemically inert pigment. Its whiteness and opacity are of a high order. Further, its ability to scatter and reflect ultraviolet light protects the paint film from the damaging effects of UV radiation that cause fading and cracking. Titanium dioxide is extracted from Ilmenite ore found in the southern beaches in the state of Kerala. Termed as a sulfate process, it involves electrostatic or magnetic separation, digestion, purification, hydrolysis, calcination, and milling to the required particle size. It is a capital-intensive industry and subject to regulatory standards. Compliance with environmental regulations necessitates additional investments in pollution control and waste management systems. China is the world's largest manufacturer and exporter of Titanium dioxide. Indian paint manufacturers are heavily dependent on China. It should be noted that this chemical constitutes about 12 to 35 % of the final product. It is estimated that our indigenous re-

quirement is 2.20 lakh tonnes against production of 0.5 lakh tonnes. Volatile prices have further added to the woes of paint manufacturers.

Specialty Paints

Specialty paints are versatile and each is tailored to meet specific requirements in diverse settings. A few examples are listed below:-

- Heat-resistant paints - They fall into the category of High -performance automotive finishes. Applied on surfaces exposed to high temperatures, like engine components, grills, and exhaust pipes. Prevents peeling and discoloration due to heat stress.
- Reflective paint - Applied on surfaces like pedestrian walkways, road markings, bicycles, and rear sides of trucks. The paint contains reflective particles which enhance visibility in low light conditions and add to safety.
- Magnetic paint - It allows magnets to adhere to the painted surface. It transforms itself into a magnetic board for notes and pictures. Can be used in classrooms and offices.
- Rust-inhibiting paint - Contains corrosion inhibitors that prevent or slow down the formation of rust. Can be used wherever surfaces are exposed to external elements like fences, gates, and outdoor furniture.
- Glow in the dark paint - Absorbs light during the day, and emits a visible glow in the dark. It thus provides illumination without an external light source. Used in theaters and safety signage.
- Aircraft paints - Contain anti-corrosive agents that shield the aircraft body from the corrosive impact of salt, moisture, and airborne contaminants. Additional features include aesthetic appeal, longevity, and lightweight.

Compared to general purpose paints their volume is comparatively very small but with a significantly higher monetary

value. However, in the future, you may see an uptick in their usage. There also exist some specialized paints for Construction projects.

Certain industries demand a special formulation due to their requirements. Even though a small segment, they are catered to paints with advanced formulae for specific industries.

The Future

India is poised to grow at a CAGR (compounded annual growth rate) of 7 %. Much of this will be sectors of affordable housing, infrastructure, EV (electric vehicles), and NCES (non-conventional energy sources). The demand for paint is set to surge, both for fresh and re-painting requirements. Growth will be accompanied by increasing mobility. There will be a higher demand for durable paint solutions for vehicles.

However, a cursory look at the share prices of the top seven paint companies shows volatility within a price band of up to approximately +/- 15 %. This is mainly attributed to the fluctuation in prices of raw materials. If the gains on higher volumes are to be accrued to the nation, then this aspect must be addressed for sustained growth.

Conclusion

This article aims to provide a comprehensive view of the paint scenario in India. The magic of paints is not confined to the walls they embellish. They transcend their functional roles and mirror the ever-evolving tastes of endurance, change, and resilience. Advancements in technology have enabled a myriad of shades, finishes, and colors. Architects spend a significant amount of their time honing their skills to choose the right color, shade, and texture combinations. Paints breathe life and aesthetics into surfaces, embodying the magic beyond the visible layers. This is much unlike the faceless modern glass and chrome structures, that we see everywhere.

Source : Chemical Market Team

