

Chemicals | India | August 13, 2021

India

Overweight (no change)

Highlighted Companies

Bayer Cropscience Ltd

ADD, TP Rs6621, Rs6092 close We forecast EPS growth of 14.6% CAGR over FY21-24F, and EPS growth at 7.8% CAGR and gross margin expanding by 300bp over FY21F.

Heranba Industries Ltd

REDUCE, TP Rs457, Rs838 close Lack of production capacity, a slow growing market, rising raw material prices and intense competition for global leaders are headwinds for Heranba.

Rallis India Ltd

ADD, TP Rs355, Rs294 close

We believe exports and CRAMS will grow at least double digits. We value Rallis in line with its historical trading average of 23.5x one-year forward EPS.

Summary Valuation Metrics

P/E (x)	Mar21-F	Mar22-F	Mar23-F
Bayer Cropscience Ltd	55.48	44.45	37.77
Heranba Industries Ltd	26.89	28.55	28.08
Rallis India Ltd	24.99	21.06	18.91
P/BV (x)	Mar21-F	Mar22-F	Mar23-F
Bayer Cropscience Ltd	10.73	7.42	6.18
Heranba Industries Ltd	6.74	5.5	4.64
Rallis India Ltd	3.59	3.17	2.83
Dividend Yield	Mar21-F	Mar22-F	Mar23-F
Bayer Cropscience Ltd	0%	0%	0%
Heranba Industries Ltd	0.15%	0.14%	0.14%
Rallis India Ltd	1.12%	1.33%	1.48%

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Mania at its peak. Slide in the offing?

- At 118X (recurring FY21 PAT, 25% tax rate assumption), pre-money valuation, Chemplast Sanmar's listing may prove to be the pinnacle of chemical sector valuations.
- To differentiate between specialty & commodity chemicals, we use variability of product margins as an indicator. 80% of our coverage universe falls in commodity category.
- Bayer, Rallis, and Camlin remain our sector top picks.

Chemplast listing is culmination of specialty chemicals mania

Like the bull market of 2004-08 when anything related to power used to trade at a premium valuation, in this bull market anything related to chemicals trades at an astronomical valuation. Like the search for next L&T and BHEL remained perennial, the search for next PI industries (ADD, TP Rs2,505, CMP Rs3,121), Vinati Organics (ADD, TP Rs1,603, CMP Rs1,922), Navin Flourine (HOLD, TP Rs2,599, CMP Rs3,734) and SRF (ADD, TP Rs6,227, CMP Rs8,805) can also remain perennial. The listing of Chemplast Sanmar (a commodity grade PVC maker) reminds us of Reliance Power listing. The pre-money valuation will exceed 118X FY21 PAT (revised numbers based on RHP, barring exceptional income of Rs4.8bn, and assuming 25% tax on recurring profits), investors have given money to deleverage the company and have also given multiple on the same. We advise investors to remain clear of many new listings like India Pesticides (REDUCE, TP Rs286, CMP Rs328), Heranba (REDUCE, TP Rs457, CMP Rs845), Anupam Rasayan (REDUCE, TP Rs379, CMP Rs736) as well as old commodity names like Aarti Industries (REDUCE, TP Rs544, CMP Rs926), Atul Limited (REDUCE, TP Rs6,370, CMP Rs8,900), Laxmi Organics (REDUCE, TP Rs110, CMP Rs320) etc. We still like specialty chemical names like PI Industries and Navin Fluorine. Among agrochemicals and seeds, Rallis (ADD, TP Rs355, CMP Rs297) and Bayer (ADD, TP Rs6,621, CMP Rs5,874) remain our top picks.

Specialty chemicals - where product margins are not volatile

We define specialty chemicals as a group of chemicals where the entry barrier are high, margins are not volatile and customers partner with companies in product innovation. In this space, PI Industries, and chemical businesses of SRF and Navin Fluorine fit the bill. All the new listings are 2-3 product wonders: 1) Clean Sciences depends on MEHQ where it will face competition from Camlin (ADD, TP Rs225, CMP Rs184) and MEHQ market is extremely small. 2) Chemspec depends on 3 molecules, 3) India Pesticides is a prosulfocarb company, and 5) Ami Organics is an AI intermediary where it has no pricing power.

Stay with proven names, avoid new wonders having a few molecules

We advise investors to remain with proven names like PI Industries, and Vinati Organics (although they may face headwinds in near term). We also like Camlin, Bayer, and Rallis. We remain underweight on the sector.

Analyst(s)



Satish KUMAR T (91) 9004603998 E satish.kumar@incredcapital.com Shaily RUPARELIA T (91) 22 4161 1556 E shaily.ruparelia@incredcapital.com Figure 1: Almost 90% of our chemical coverage falls in commodity and semicommodity vertical

Commodity Makers	Semi-commodity	Agrochemicals/ Seeds	CRAMS/ Specialty	API and cosmetic AI
Deepak Nitrite	Clean Sciences	UPL	PI Industries	Ami Organics
Chemplast Sanmar	Camlin	Dhanuka	Navin Fluorine	Chemspec Chemicals
Laxmi Organics	Gujarat Fluoro	India Insecticide		
Aarti Industries	SRF	India Pesticides		
Atul Limited	Vinati Organics	Heranba		
Meghmani Finechem	Anupam Rasayan	Astec Life Sciences		
Coromandel International		Kaveri		
		Bayer		
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Is the future really positive?

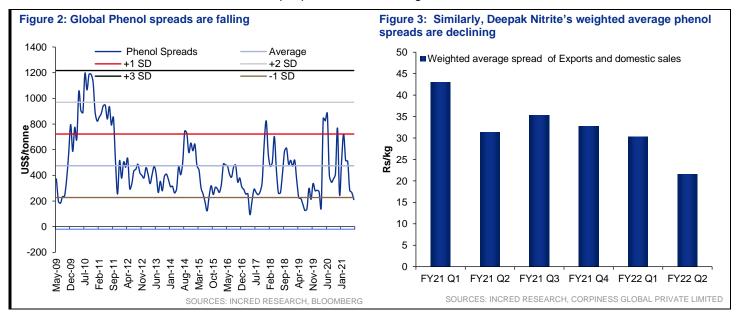
Indian chemicals sector can be divided into 5 broad categories: 1) Agrochemicals, agrochemical intermediary manufacturers and agrochemical marketing companies, 2) Commodity chemicals (primarily crude oil derivatives), 3) Semicommodity chemicals (sectors with low entry barriers);,4) contract research and manufacturing (CRAM) companies, and 5) Pharma API intermediary makers. While market is painting all companies with a single brush, structurally CRAM and pharma API intermediary makers look well placed. Some R&D-driven companies are in new sectors like battery chemicals and electrolytes and can also do well.

Commodity chemicals - Confusion persists between commodity and specialty chemicals

A new theme emerges in every bull market and current bull market has a specialty chemicals theme. All chemical companies are painted as specialty, whether they are phenol makers, MEHQ (hydroquinone monomethyl ether) makers or even PVC (poly vinyl Chloride) manufacturers. In this section, we will focus on commodity chemical makers. We define commodity chemical makers as companies which derive more than 2/3rd of their EBITDA from commodity chemicals.We cover following chemicals in this segment: - phenol, caustic soda, acetone, PVC, ethylene dichloride (EDC), benzene and aniline derivatives, and ECH (epichlorohydrin). Consequently, following companies come under the purview in this segment – Aarti Industries, Meghmani Finechem, Chemplast Sanmar, Deepak Nitrite, Laxmi Organics, Coromandel International, and Atul Limited. The key identification of a commodity: cyclicity in gross profits. i.e., inability to pass of the rise as well base raw material costs to consumers.

Phenol,a simple commodity -Deepak Nitrite is the lone phenol manufacturer in our coverage universe >

Phenol is manufactured from benzene plus propylene reaction. As a by-product of the reaction, one gets acetone and hence to calculate phenol spreads, one has to take acetone credit into account. Phenol and its derivatives are essential for production of polycarbonates, epoxies, bakelite, nylon, detergents, herbicides and multiple pharmaceutical drugs.





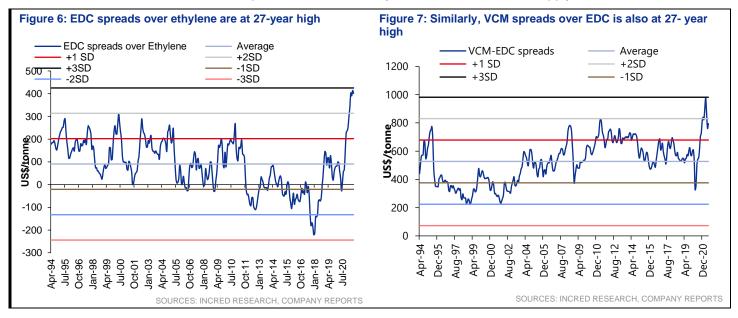
Acetone is a by-product of phenol manufacturing for Deepak Nitrite, Covid-19 cases decline leadsto price fall ➤

Making phenol from benzene and propylene leads to acetone production (acetone is used in making IPA which, in turn, is used to make sanitizers) whose usage has increased because of rising Covid-19 cases. With the fall in Covid-19 cases, prices of acetone and IPA are falling, leading to a decline in margins for integrated producers like Deepak Nitrite.



With Chemplast Sanmar IPO in pipeline, PVC has suddently come to the fore, which is one of the most basic commodities

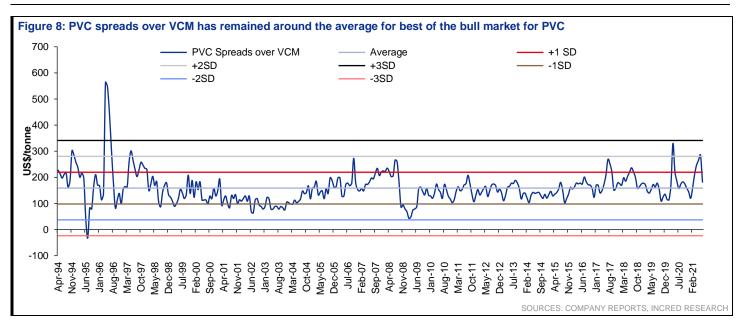
PVC in any form, either paste or suspension, is not a specialty chemical. Neither is CPVC (chlorinated poly vinyl chloride) a specialty product. All these chemical products have low entry barriers and are in oversupply.



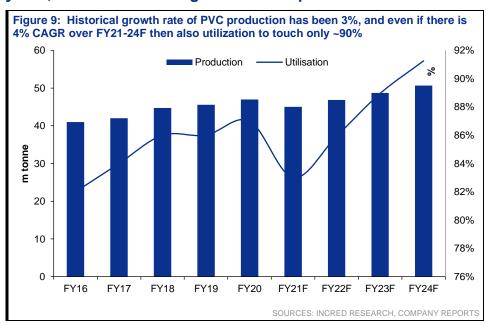


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Globally, PVC is in oversuply and will remain so for next 2-3 years, even with bullish growth assumptions >





Like any other commodity bull market (if any) in PVC will result in integrated players making big money **>**



India doesn't have any epichlorohyrdin(ECH) maker as of now, but if margins stand elevated Meghmani Finechem stands to benefit from FY23F >

Meghmani Finechem will make ECH using glycerine, calcium hydroxide, and hydrochloric acid. ECH spreads over basic raw material are near their all-time high.



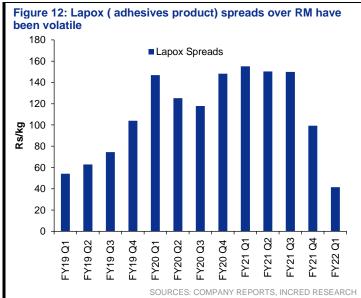
Lapox (adhesives), cresols, dyes and pigments, and resorcinol are other set of commodities manufactured by Atul >

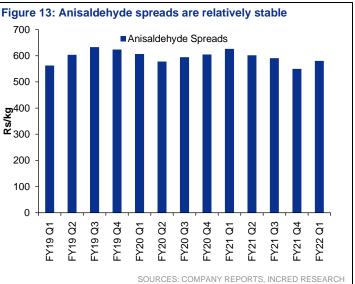
- Lapox is a two-component modified, viscous epoxy adhesive system. The product creates strong adhesion with similar and dissimilar substrates such as natural stones, glass, metals, wood, laminates, and textiles. It is resistant to water and most chemicals.
- Cresols are also used in paints and textiles. Mixtures of cresols are used as solvents in synthetic resin coatings such as wire enamels, metal degreasers, cutting oils, and agents to remove carbon deposits from combustion engines. Other uses of cresol mixtures include ore floatation and fibre treatment.

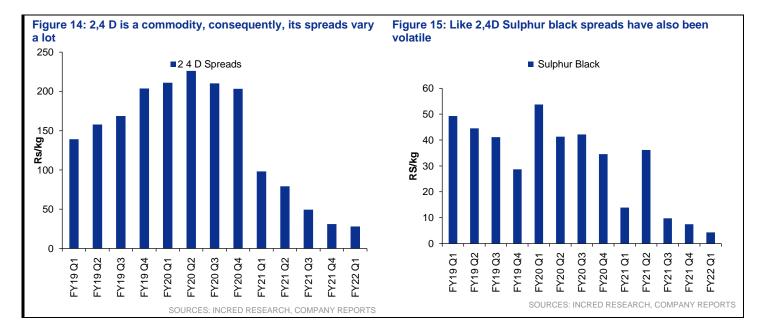


- Dyes like VAT and Novatic are used in textile industries. These dyes are • manufactured by multiple players in India as well as in China. Technology for manufacturing these products is freely available.
- Resorcinol is a 1,3-isomer (or meta-isomer) of benzenediol with the formula • C6H4(OH)2. It is used as an antiseptic and disinfectant in topical pharmaceutical products meant for treating skin disorders and infections. It exerts a keratolytic activity. Sumitomo Chemicals is the major manufacturer of resorcinol.

Gross profit products show classic signs of cyclicity >



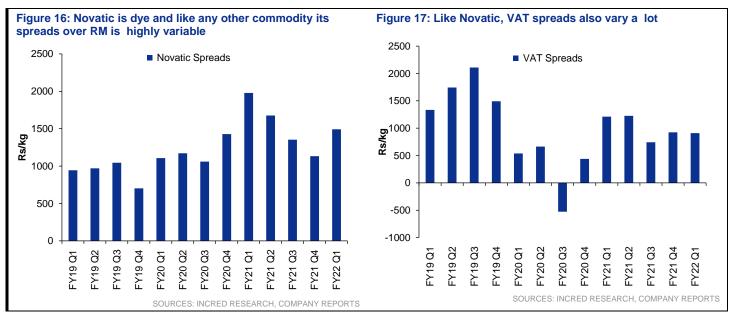






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Aarti Industries' principal products are also commodity in nature **>**

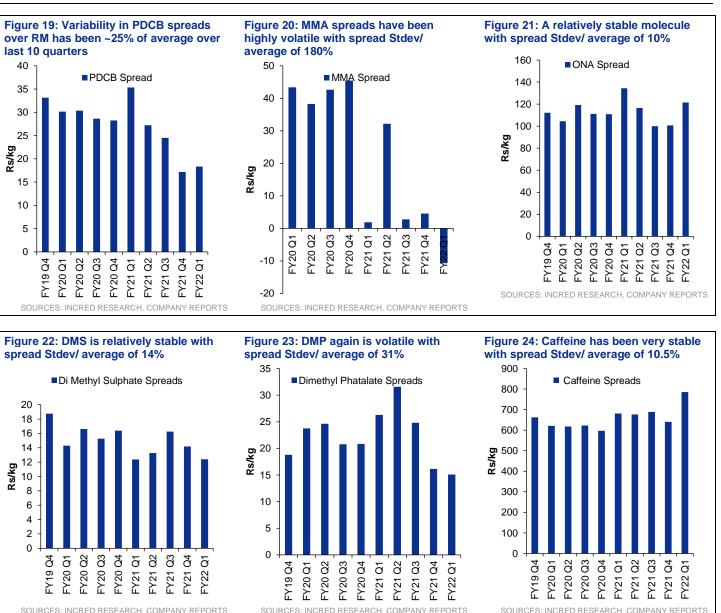
Like Atul Limited, gross margins of all products of Aarti industries show high variability- a classic sign of commodities.

Figure 18:			
Name	Symbol	% Sales contribution	Usage
Para Di Chloro Benzene	PDCB	11.0%	Para di chloro benzene is an organic compound which is used as a disinfectant, pesticide, and deodorant. It is also used to make mothballs as a less flammable substitute of naphthalene.
Mono methyl Aniline	MMA	7.0%	It is used as a latent and coupling solvent and is also used as an intermediate for manufacturing dyes, agrochemicals and other organic products.
Caffeine	Caffeine	10.0%	Caffeine is used to restore mental alertness or wakefulness during fatigue or drowsiness. Caffeine is also found in some headache and migraine medications, in certain dietary supplements used for weight loss, and in many popular energy drinks.
Ortho Nitro Aniline	ONA	3.0%	Ortho Nitro Aniline is rubber antioxidant MB, pesticides carbendazim, light stabilizer UV-P intermediate.
Di methyl Sulphate	DMS	4.5%	It is corrosive to metals and tissue. It is a potent methylating agent. Dimethyl sulphate is the dimethyl ester of sulfuric acid. It has a role as an alkylating agent and an immunosuppressive agent.
Di methyl Phthalate	DMP	4.0%	Used in manufacturing a variety of products including plastics, insect repellents, safety glass, and lacquer coatings. Dimethyl phthalate is a phthalate ester, a diester and a methyl ester. Dimethyl phthalate has many uses, including in solid rocket propellants, plastics, and insect repellents.
3,5 Di Chloro Aniline	3,5DCA	3.5%	A Derivative needed in the manufacture of dyes, pesticides and industrial compounds, it has been reported to induce renal damage.
3,4 Di Chloro Aniline	3,4DCA	3.5%	3,4-DCA is exclusively used as an intermediate in chemical industry for the synthesis of 3,4-dichlorophenylisocyanate, the herbicide propanil and as an azo dye for polyester fabrics.
2,5 Di Chloro Aniline	2,5DCA	1.0%	It is a precursor to dyes and pigments.
Meta Phenylene diamine	MPDA	7.0%	Used in aramid fibre manufacture, as a polymer additive, in dye manufacturing , as a laboratory reagent, and also in photography.
2,4 Di fluoro nitro Benzene	2,4DFB	2.0%	The most common end use is in Basic pharmaceuticals, and agro chemicals.
			SOURCES: CORPINESS GLOBAL PRIVATE LIMITED, INCRED RESEARCH



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SOURCES: INCRED RESEARCH, COMPANY REPORTS SOURCES: INCRED RESEARCH.

Thankfully, there is no debate on fertilisers being commodity or specialty chemicals- all agree that they are commodity chemicals >

Coromandel International is a fertiliser manufacturer and makes Malathion insecticide. The consensus among investors is that it is a commodity maker.

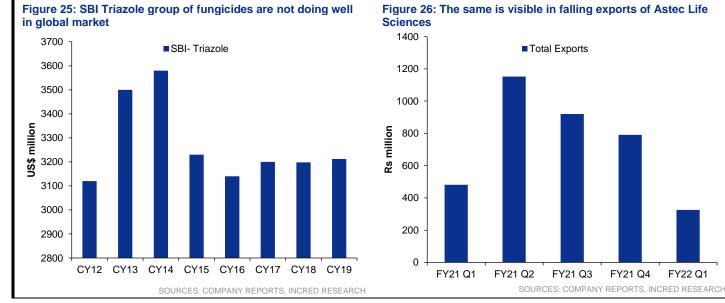
Agroc hemical makers- Bayer and Rallis are top picks

This group has multiple companies. Some companies are diversified, while others are very small (to the extent that their sales collapse if even one molecule doesn't do well). There are marketing companies like Dhanuka Agritech who survive only on marketing margins. In this category, we have companies like Astec Life Sciences, India Pesticides, Dhanuka Agritech, Bayer CropScience, Heranba, UPL Limited, Rallis, and seed company Kaveri.

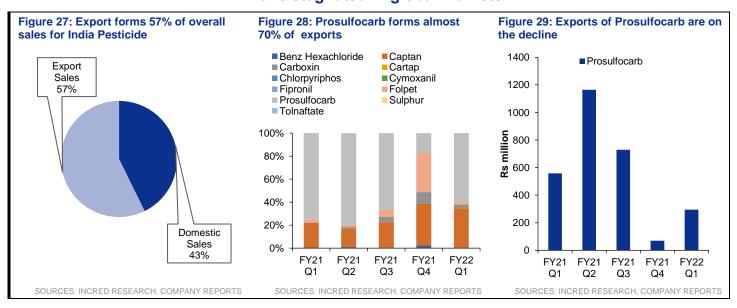


FY22 Q1

Astec Lifesciences is in fungicides, and it primarily makes SBI triazoles which are losing sheen in global markets >



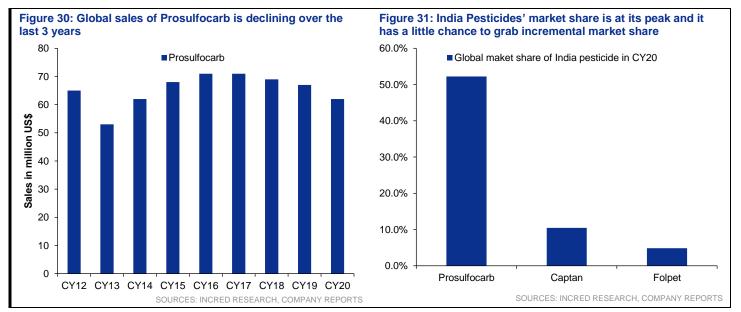
India Pesticides is a one-product wonder - prosulfocarb sales have stagnated in global markets >





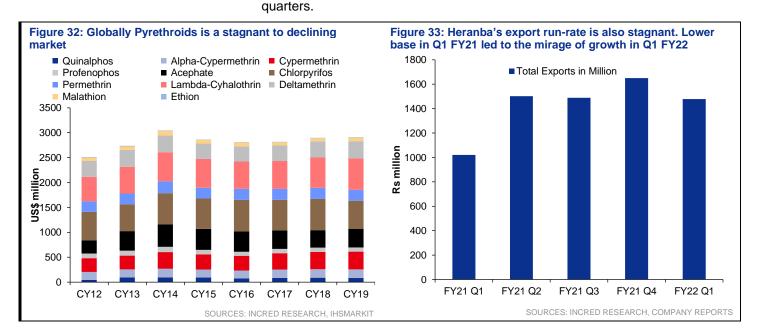
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Heranba - Pyrotheriod is a declining market, China-led gains to fade in coming quarters (exports form 50% of sales) ➤

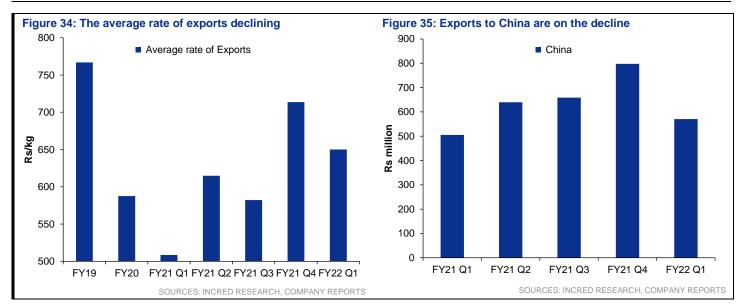
The export data analysis (Source: Corpiness Global Private Limited, an export data provider) reveals that bulk of the rise in revenue will be driven by increased exports to China. Chinese farmers had a bad experience with armyworm attack last year and , hence, as a natural tendency, they are stocking up material before the current rainy season. The link to the news is given here (https://www.reuters.com/article/us-crops-armyworm-china-idUSKBN25H14F). After thestocking is over, prices of pyrethroids, particularly deltamethrin, will trend downwards. Cost increase appears to be resilient and given the global hesitancy in using pyrethroids, Heranba can face revenue headwinds as well in coming





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Dhanuka Agritech's performance last year was led by the success of Godiwa Super, but unlikely to be repeated again >

The key brands of Dhanuka 'Ozone', 'Godiwa', 'Caldan' and 'Targa-super' are likely to face headwinds, in terms of either margin pressure or growth slowdown. The sudden success of ;Ozone'(base agrochemical Paraquat) is driven by a new weed-'Emex australis Steinh' on wheat crop in North India <u>(please see link here)</u>. This weed is now widespread, and so Ozone usage is also widespread, thus limiting its growth potential. Import prices of raw material for "Godiwa" is rising, thereby raising margin pressure. 'Caldan' raw material is Cartap, whose import costs are rising (44% in FY20 and 4.7% in FY21) and at the same time, its usage appears to be stagnating. 'Targa Super' base agrochemical (i.e. Quizalofop) prices are rising and sales volume appears to be stagnating.

Bayer has tailwinds from seed business and sustained growth of agrochemicals portfolio ➤

After merging Monsanto with itself, Bayer has become the leader in maize seeds, but the biggest opportunity is in vegetable seeds. India imports ~US\$115m worth of vegetable seeds (FY19, Source: Agricultural Statistics 2019). Almost all vegetables seeds are present in Bayer portfolio and it has a wide reach through Monsanto India's dealer network as well as through its mobile App (Dr. DeKalb). With agrochemicals, we don't expect any growth in glyphosate (US\$30mn sales in FY21F), but other chemicals should post 8% growth CAGR (in value terms over FY21F-24F). Bayer's Penflufen, Thiacloprid, Fluopyram and Spirotetramat are in patent period, but growing at a fast pace globally. These molecules can become drivers of growth.

What's key is successful launch and proper use of its already established distribution channel.

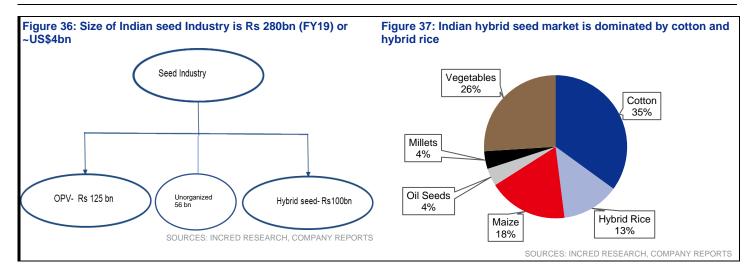
Tailwinds in seeds to help Bayer as well Kaveri Seeds as OPV seed users are migrating to hybrid seeds ➤

"Open pollinated" generally refers to seeds that will "breed true" i.e. they are identical to parent. When the plants of an open-pollinated variety self-pollinate, or are pollinated by another representative of the same variety, the resulting seeds will produce plants roughly identical to their parents. On the other hand, hybrid seeds produced by plants that are the result of a recent cross, are likely to show a wide variety of differing characteristics.



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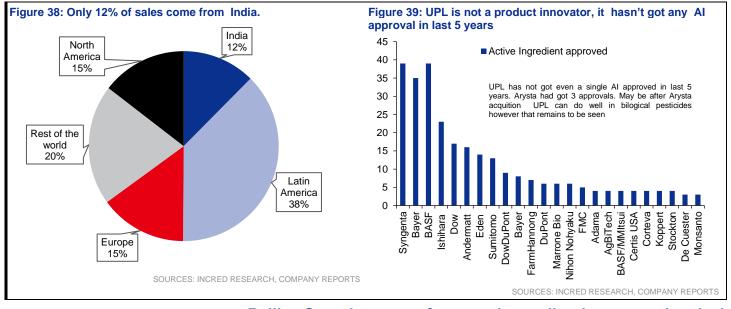
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Indian seed market is growing at 26% CAGR over CY16-19 and growth can extend in coming years ➤

Normally, hybrid seeds are 2-3X costly compared to OPV seeds. However, higher prices don't deter their usage because hybrid seeds havehigher yields and disease-fighting ability.

UPL- multiple risks by way of product demand, lack of innovation and foreign exchnage variations **>**



Rallis - Growth to come from seed as well as base agrochemical businesses ➤

Rallis has CRAMS (contract research and manufacturing) contract with Solvay and Kureha Chemicals. At the same time, agrochemical supply agreements with Syngenta, BASF and Spanish company Industrias Quimicas Del Valles S.A. bodes well for future growth.. Seed business in India appears to have significant tailwinds. Our analysis indicates that India is unlikely to ban acephate (principal insecticide for Rallis in domestic market) for use onrice and cotton (91% usage on these two crops) which negates domestic side risk. Exports and CRAMS will at least register double-digit growth.

Indian seed industry faces tailwinds incrops like paddy. For most Indian crops, the SRR (seed replacement ratio) is lower than the desired level. What is needed for a company like Rallis is to educate farmers and a ground presence. Rallis has 1,500 dealers and 40,000 retailers. Added to it is a team of 225 field officers and 1,000 crop advisors to help farmers. There is a structural push to use better seeds and increase SRR, which will result in better productivity and thereby increase



farm income. Consequently, over last 3 years, seed sales aregrowing at 26% CAGR. We believe that with a better distribution network and brand recall, Rallis is best positioned to reap the benefits of this structural change.

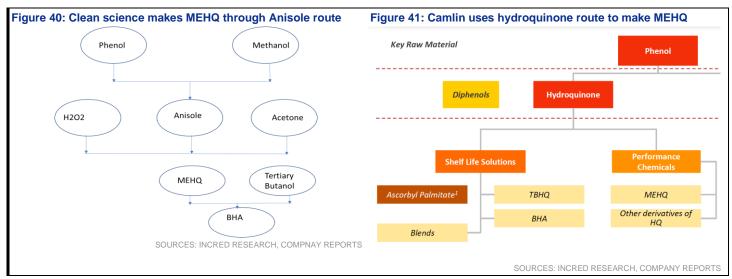
Semi-commodity chemicals- Camlin looks better placed

This segment is again falsely perceived as specialty chemicals. MEHQ (hydroquinone monomethyl ether), BHA (butylated hydroxy Anisole), AP (ascorbic palmitate), TBHQ (tert-butylhydroquinone), anisole, guaiacol and vanillin are some of the products in this category. Methyl/ halo pyridine, picoline viamin B3 and B4 makers and polymers like PTFE (polytetrafluoroethylene) will also fall in this category.

MEHQ is most hyped commodity in

this bull market >

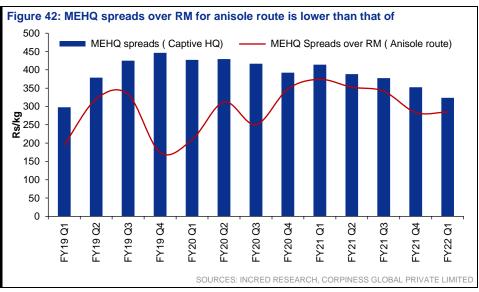
MEHQ can be manufactured by two different methods. One is used by Clean Sciences and Technology and the other by Camlin Fne Sciences. Camlin Fne Sciences uses phenol and hydroquinone route to manufacture MEHQ, while Clean Sciences uses phenol and anisole route to manufacture this chemical



Investors rewarded alternate method of making MEHQ by assigning more than 50X PE on FY22F PAT estimates to Clean Sciences, while Camlin doesn't trade at even half of that PE.

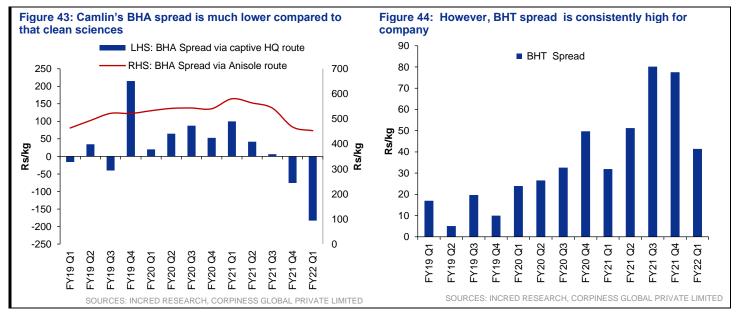


Interestingly, with captive hydroquinone (HQ), Camlin's cost of MEHQ is lower than that of Clean Sciences ➤



BHA product spreads through anisole route are still higher than through HQ route ➤

BHA product spreads over RM are still much higher for Clean Sciences compared to Camlin Finechem.



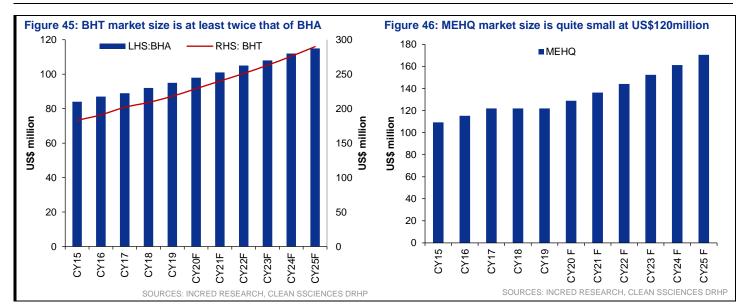
MEHQ has a small concentrated market, while BHT has a comparatively much bigger market >

While Camlin finds it difficult to make money in BHA sales, BHT is a much more profitable product for it. Market size of BHT is almost double that of BHA. BHT is normally used in animal feed as well as an antioxidant.



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Price competition cannot be ruled out in MEHQ market as Camlin is ramping up capacity \blacktriangleright

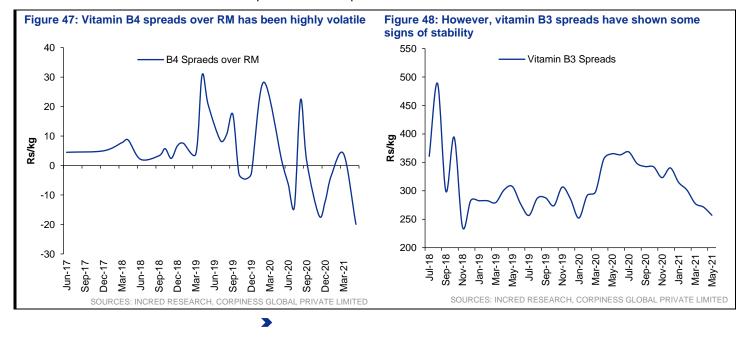
Overall MEHQ market is of 12,500 tonnes. Clean Sciences has more than 55% share in this market. Market growth rate is in low single-digit, and, in this market, Camlin is ramping up capacity by 8%. At the same time, cost of MEHQ production for Camlin has declined (because of captive HQ) and, hence, price competition in this market is likely.

Clean Sciences' extraordinary high margins are at risk >

Clean Sciences posted 78% gross margin in Q4 FY21, which fell to 71% in Q1 FY22. We expect this margin to fall further as price competition intensifies.

Pyridines, picolines and niacenamides are also semicommodity products ➤

Another company in our coverage universe- Jubilant Ingrevia - makes pyridines, picolines and niacinamides (vitamin B3) as well as vitamin B4. Pyridines and picolines have some entry barriers because not all manufacturers can have simultaneous in-house usage of pyridines and picolines. Having said that, this is not an insurmountable advantage. Pyridines are used to manufacture pharmaceutical products.

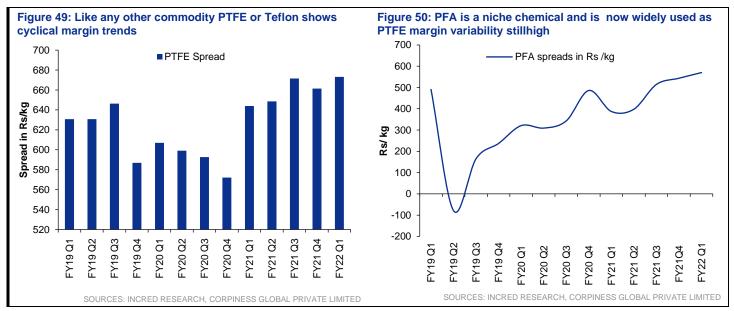




PTFE and perfluoro alkoxy alkanes (PFA) also show signs of commodity chemicals ➤

PFA is preferred when extended service is required in hostile environments involving chemical, thermal, and mechanical stress. PFA offers high melt strength, stability at high processing temperature, excellent crack and stress resistance, and a low coefficient of friction.

PTFE or poly tetrafluoro ethylene [-CF₂=CF₂] n is one of versatile polymers ever developed. Its usage is wide, ranging from coating on cooking utensils to medical purposes. In Covid-19 period, its usage has increased as it is also being sprayed on face masks for effective protection against coronavirus.



Chloromethanes manufactured by multiple players like Chemplast Sanmar and also Gujarat Fluoro ➤

Methylene dichloride, chloroform and carbon tetrachloride form chloromethanes. One of the principal usages of chloroform is to manufacture PTFE. It is used as a feedstock for other chemicals as well. Despite having 121K tonne capacity, Gujarat Fluoro still imports ~28K tonne chloroform (FY20, Source: Corpiness Global private limited)

Methylene dichloride, a principal chloromethane, has multiple usage -primary being an industrial solvent ➤

It is also known as dichloromethane, freon 30, methylene chloride, chlorocarbon, methylene bichloride, methane dichloride, DCM.

There are various uses of methylene dichloride:

- Used as a paint stripper and degreaser.
- Used to manufacture film coatings.
- Used in pharmaceuticals industry.
- Used to remove heat-sealed labels in textile industry.
- Used to prepare flavorings for food and beverage industry.
- Used as a post-harvest fumigant for grains and fruits.
- Used as an aerosol spray propellant.

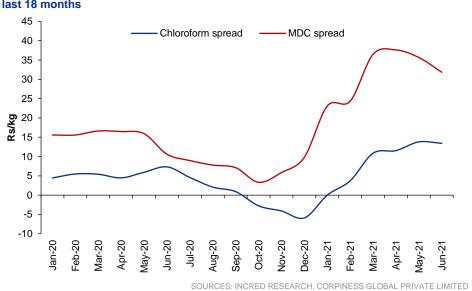


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Contract research & manufacturing (CRAMS): a specialty chemical universe

Indian contract research and manufacturing is the real specialty chemical universe. Companies like Navin Fluorine, SRF and Pl are doing differentiated work for clients. The entry barriers in this industry are high and are key for a successful business is becoming a partner of clients, and have successful clients' IPR (intellectual property rights) protection framework. These companies become partners with clients in their process improvement and R&D processes.

PI product pipeline remains strong and it is partnering with clients in R&D process ➤

Currently, pyroxasulfone, flubendiamide, tefuryltrione, fenoxasulfone and rynaxypyr are some principal molecules of PI Industries. Combined global sales of these molecules are US\$2.4bn. Our analysis indicates there are at least 10 molecules in the pipeline which includes, pyridachlometyl, cyclopyranil, benzobicyclon, picoxystrobin, metominostrobin, melampyrin, bensulfuron, pretilachalor, oxathiapiprolin and pyrazusulfuron. While two of these are research molecules that are likely to be launched by CY22, the other 8 molecules' current global sales stand at c.US\$900mn. We expect these molecules to keep driving growth beyond FY23F as well.



Navin Fluorine also partners with clients in innovation process and many a times refines their production process >

Navin Fluorine has a presence in fluorocarbons, fluorine intermediaries and inorganics i.e., it caters to ~83% of global market. In value terms, Navin can cater to approximately US\$18.7bn market. Navin's dependence on R-22 and BF3 has come down over the years, but still form a major portion of its export basket (from 66% in FY14 to 28% in FY20). The success of (1r)-1-(2-(trifluoromethyl) pyrimidin-5-yl) ethanamide HCL, 3-(3 3 3-trifluoro -2 2-dimethylpropoxy) -1h-pyrazole-4carboxylic acid and 2-fluoro 6-trifluoro methyl pyridine is a testament of deepening relations with clients. On the back of this success, it hasgot the contract to manufacture HPP, which is a pharmaceutical intermediary.

Part of SRF's business is specialty chemicals where it has high client interaction and goodwill ➤

SRF does not supply end products to its customers, but rather supplies intermediate chemicals. Consequently, its addressable market is only 15-20% of overall sales value of chemicals. SRF must develop alternate capabilities fast or it should do inorganic acquisitions to acquire these capabilities.

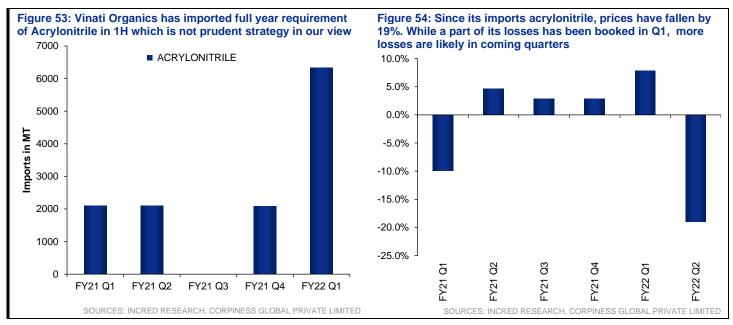
Figure 52: Apart from supplying new molecules like Isoflucypram, SRF supplies multiple other specialised molecules SRF sales in Million Intermediate/ final product Trade name US\$ 3-difluoromethyl 1-methyl-1h-pyrazole-4- carboxylic acid Fluxapyroxad 53.22 Topramezone Topramezone 18.70 3-pyridinecarboxylic acid 2- [(2methoxy ethoxy) Metolachlor 16.06 methyl] -6- (trifluoromethyl) - ethyl ester Tesa-1-(3-chloropyridin-2yl)-3-(5-(trifluoro methyl)-2h Tetraniliprole 5.37 tetrazol-2yl) methyl]-1h-p yrazole-5-carboxylic acid 1-(5-acetyl - [1 4 5] oxadiazepan-4-yl)- Ethenone 5.20 Pinoxaden 5-fluoro-3-(difluoro methyl)-1-methyl-1h- pyrazole-4-Isoflucypram 3.95 carbonyl fluoride SOURCES: INCRED RESEARCH, CORPINESS GLOBAL PRIVATE LIMITED

Vinati Organics, though not exactly a specialty chemicals company,makes makes highly niche chemicals **>**

Vinati Organics (VOL) is market leader in ATBS (2-Acrylamido 2 Methylpropane Sulfonic Acid), HP- MTBE (High Purity- Methyl Tertiary Butyl Ether), IBB (Isobutyl benzene), and IB (Isobutylene). VOL has commissioned its new 14KT ATBS and 39KT butyl phenol capacity. It has merged 100% promoter entity Veeral Additives Pvt Ltd (at Rs1.25bn totally paid by shares of VOL) with itself to venture into phenolic antioxidants (AO) market. AO uses butyl phenol as an input material and, hence, provides a market for its newly commissioned butyl phenol capacity. ATBS demand is reviving and IBB is also doing well (because of demand from Ibuprofen API).



While Vinati business is good,accumulating high-cost acrylonitrile inventory will hurt in FY22F ➤



Active pharma ingredient (API) and cosmetics intermediary manufacturers: Niche space but semicommodity in nature

API and cosmetic intermediary space is becoming relevant in India with proposed new listings of Ami Organics and Chemspec Chemicals. Both these companies are in semi-commodity space.

Ami Organics is a niche API intermediary and specialty chemicals company **>**

Ami Organics is an active pharma ingredient (API) intermediary and key starting material (KSM) manufacturer. On 31 March 2021, it acquired two plants of Gujarat Organics (GOL) on a slump-sale basis. The newly acquired plants give Ami Organics a foothold in specialty chemicals as well. Exports form almost 60% of its overall revenue. The company's operations are divided into; 1) API intermediaries and KSM, and 2) specialty chemicals. Within API intermediaries, it is a leader in anticoagulant, anti-psychotic/anti-depressant and anti-retroviral API intermediaries. With the acquisition of Gujarat Organics' plants (Source: Ami Organics DRHP) it has acquired capabilities in salicylic acid and parabens markets. Potentially, this acquisition could add US\$5m-5.5mn revenue to Ami Organics' topline from FY22F.

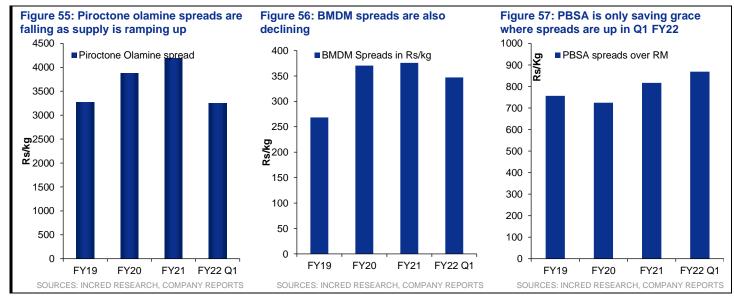
Dolutegravir, trazodone and anticoagulants remain key growth drivers for Ami Organics ➤

Dolutegravir is an anti-retroviral drug for HIV treatment. Ami makes the intermediary for this API. Sales of dolutegravir rose considerably in last five years and it is expected to become the main second line treatment for HIV. Trazodone is principal anti-depressant, whose intermediary is sold by Ami Organics. As of now, intermediaries contribute ~20% to sales and we estimate that going forward they will contribute ~17% to overall sales. We estimate robust growth in anticoagulant intermediaries. As of now, they contribute only 2.5% to overall sales, which we expect will rise to 5% by FY24F.



Chemspec Chemicals is essentially a three-molecule company ➤

Chemspec Chemicals business is divided into two broad segments - FMCG and pharmaceuticals. FMCG chemicals contribute more than 80% to overall sales. Almost 80% of its revenue comes from three molecules: - 2-phenyl-1Hbenziidazole-5-sulphonic acid (PBSA), butyl methoxy dibenzoyl methane (BMDM) and piroctone olamine (PO). PO is a major chemical for Chemspec as it contributes ~50% tooverall exports (Source: Corpiness Global Private Limited, an export data provider). PO is used in anti-dandruff shampoos while BMDM and PBSA are ultraviolet filters and are used in sunscreen skin care products The rise in product spreads (price- raw material cost) of PO, BMDM and PBSA led to gross margin expansion in FY20 and FY21. However, unfortunately for Chemspec Chemicals, the gross spreads of PO, BMDM and PBSA havedeclined in Q1 FY22 and we believe gross margin in FY22F will decline at least by 170bps in FY22F over FY21. Bulk of the growth in PO has been driven by European Commission's decision on ZPT (zinc pyrithione), which says that more than 1% ZPT content in hair care shampoos is dangerous for human beings. Bulk of the growth driven by this development appears to be behind us.



Piroctone olamine, PBSA and BMDM spreads are falling >



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Corporate Governance Report:

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The survey result is as of the date appearing in the Corporate Governance Report of Thai Listed Companies. As a result, the survey result may be changed after that date. CGS-CIMB Thailand does not confirm nor certify the accuracy of such survey result.

Score Range:	90 - 100	80 – 89	70 - 79	Below 70	No Survey Result
Description:	Excellent	Very Good	Good	N/A	N/A



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Chemicals | India Chemicals - Overall | August 13, 2021

Corporate Governance Report of Thai Listed Companies (CGR). CG Rating by the Thai Institute of Directors Association (Thai IOD) in 2020, Anti-Corruption 2020

ADVANC - Excellent, Certified, AMATA - Excellent, Certified, ANAN - Excellent, n/a, AOT - Excellent, n/a, AP - Excellent, Certified, ASP - Excellent, n/a, AU - Good, n/a, BAM - Very Good, Certified, BAY - Excellent, Certified, BBL - Very Good, Certified, BCH - Good, Certified, BCP - Excellent, Certified, BCPG - Excellent, Certified, BDMS - Excellent, n/a, BEAUTY - Good, n/a, BH - Good, n/a, BJC - Very Good, n/a, BLA - Excellent, Certified, BTS - Excellent, Certified, CBG - Very Good, n/a, CCET - n/a, n/a, CENTEL - Excellent, Certified, CHAYO - Very Good, n/a, CHG - Very Good, n/a, CK - Excellent, n/a, COM7 - Very Good, Certified, CPALL - Excellent, Certified, CPF - Excellent, Certified, CPN - Excellent, Certified, CPNREIT – n/a, n/a, CRC – Very Good, n/a, DELTA - Excellent, Certified, DDD – Very Good, n/a, DIF – n/a, n/a, DOHOME – Very Good, n/a, DREIT - n/a. n/a. DTAC - Excellent, Certified, ECL - Excellent, Certified, EGCO - Excellent, Certified, EPG - Excellent, Certified, ERW - Very Good, Certified, GFPT - Excellent, Certified, GGC - Excellent, Certified, GLOBAL - Very Good, n/a, HANA - Excellent, Certified, HMPRO - Excellent, Certified, HUMAN - Good, n/a. ICHI - Excellent, Certified, III - Excellent, n/a, INTUCH - Excellent, Certified, IRPC - Excellent, Certified, ITD - Very Good, n/a, IVL - Excellent, Certified, JASIF - n/a, n/a, JKN - Excellent, Declared, JMT - Very Good, Declared, KBANK - Excellent, Certified, KCE - Excellent, Certified, KEX - n/a, n/a, KKP - Excellent, Certified, KSL - Excellent, Certified, KTB - Excellent, Certified, KTC - Excellent, Certified, LH - Excellent, n/a, LPN - Excellent, Certified, M - Very Good, Certified, MAKRO - Excellent, Certified, MC - Excellent, Certified, MEGA - Very Good, n/a, MINT -Excellent, Certified, MTC - Excellent, Certified, NETBAY - Very Good, n/a, NRF - n/a, n/a, OR - n/a, n/a, ORI - Excellent, Certified, OSP - Very Good, n/a, PLANB - Excellent, Certified, PRINC - Very Good, Certified, PR9 - Excellent, n/a, PSH - Excellent, Certified, PTT - Excellent, Certified, PTTEP - Excellent, Certified, PTTGC - Excellent, Certified, QH - Excellent, Certified, RBF - Good, n/a, RS - Excellent, n/a, RSP - Good, n/a, S -Excellent, n/a, SAK - n/a, n/a, SAPPE - Very Good, Certified, SAWAD - Very Good, n/a, SCB - Excellent, Certified, SCC - Excellent, Certified, SCGP - n/a, n/a, SHR - Very Good, n/a, SIRI - Excellent, Certified, SPA - Very Good, n/a, SPALI - Excellent, Declared, SPRC - Excellent, Certified, SSP -Good, Declared, STEC - n/a, n/a, SVI - Excellent, Certified, SYNEX - Very Good, n/a, TCAP - Excellent, Certified, THANI - Excellent, Certified, TIDLOR - n/a, n/a TISCO - Excellent, Certified, TKN - Very Good, n/a, TMB - Excellent, Certified, TOP - Excellent, Certified, TRUE - Excellent, Certified, TU - Excellent, Certified, TVO - Excellent, Certified, VGI - Excellent, Certified, WHA - Excellent, Certified, WHART - n/a, n/a, WICE -Excellent, Certified, WORK - Good, n/a.

- CG Score 2020 from Thai Institute of Directors Association (IOD)

- Companies participating in Thailand's Private Sector Collective Áction Coalition Against Corruption programme (Thai CAC) under Thai Institute of Directors (as of January 30, 2021) are categorised into: companies that have declared their intention to join CAC, and companies certified by CAC.

Recommendation Fran	nework			
Stock Ratings	Definition:			
Add	The stock's total return is expected to exceed 10% over the next 12 months.			
Hold	The stock's total return is expected to be between 0% and positive 10% over the next 12 months.			
Reduce	The stock's total return is expected to fall below 0% or more over the next 12 months.			
	The total expected return of a stock is defined as the sum of the: (i) percentage difference between the target price and the current price and (ii) the forward net dividend yields of the stock. Stock price targets have an investment horizon of 12 months.			
Sector Ratings	Definition:			
Overweight	An Overweight rating means stocks in the sector have, on a market cap-weighted basis, a positive absolute recommendation.			
Neutral	A Neutral rating means stocks in the sector have, on a market cap-weighted basis, a neutral absolute recommendation.			
Underweight	An Underweight rating means stocks in the sector have, on a market cap-weighted basis, a negative absolute recommendation.			
Country Ratings	Definition:			
Overweight	An Overweight rating means investors should be positioned with an above-market weight in this country relative to benchmark.			
Neutral	A Neutral rating means investors should be positioned with a neutral weight in this country relative to benchmark.			
Underweight	An Underweight rating means investors should be positioned with a below-market weight in this country relative to benchmark.			