

Specialty Chemicals

India

Sector View: Neutral NIFTY-50: 22,012

Crop & Chemical Dashboard: A surprise jump in exports

India's exports of organic and inorganic chemicals jumped 23%/33% mom/yoy in February 2024 for reasons that are not yet apparent—the leading specialty chemical companies do not seem to have experienced a pickup. The demand environment generally remains subdued, with crop prices under pressure and chemical prices also generally soft. We continue to expect sluggish performances in general for another quarter or two.

India's chemical exports jumped in February 2024 for reasons as yet unclear

India's exports of organic and inorganic chemicals jumped 23%/33% mom/yoy in February 2024, while imports also picked up 9% mom but fell 12% yoy. The reason for the spike in monthly exports is not yet apparent, as a category-wise breakdown is not yet available. Besides, the softness in imports may indicate weak domestic demand. US chemical production for February 2024 was lower by 1.3%/0.2% mom/yoy, while chemical railcar holdings—a measure of volumes—increased 4.9% yoy on a 13-week moving average basis for the week ending March 9. US data indicates continued softness in pricing, with chemicals producer prices down 4.9% yoy and import prices down 0.2%/18.1% mom/yoy. Commentary from global companies suggests that a demand recovery is not apparent for the near future and, besides, Chinese overcapacity is an overhang.

Agricultural crop price trends

US futures prices of corn and soybeans ticked up 3-5% sequentially amid short covering and some uncertainty regarding weather, but are still lower 17-30% yoy. In general, farm economics have weakened in recent months, and that is a worry for agrochemical demand. In India, vegetable prices are significantly higher yoy, while palm oil prices have also perked up amid weather-related concerns. Rainfall remained deficient across the country in March, and reservoir levels remain low in southern India. Fertilizer prices remain generally weak, although urea has perked up recently in the US. On the agrochemical 9(3) registration front, while there were new registrations obtained by several companies including Sumitomo, Dhanuka, Rallis and Best Agro, the most interesting seems to be pydiflumetofen, a patented fungicide from Syngenta.

Chemical price trends

While chemical prices remain soft in general, a few points worth highlighting include: (1) prices of BOPP film increased 10% mom—potentially a positive sign for SRF's Packaging Films Business, although raw material polypropylene prices have also risen in recent months; (2) HFC refrigerant prices have perked up in China YTD, as highlighted in our recent note; (3) there may be some pricing pressure on certain contract-manufactured products, e.g., topramezone and DFPA for SRF and Solstice 1233zd for NFIL; (4) Astec has started shipments of pyroxasulfone—a sign of looming competition for PI and its customer Kumiai; and (5) market reports suggest there might be a shortage of nitric acid (a key raw material for Deepak Nitrite and Aarti Industries) amid a plant shutdown by a key producer. Soda ash prices remain under pressure, as do phenol spreads.

UPDATE

Company data and valuation summary

| Ticker | CMP(Rs) | FV (Rs) | Rating | Upside (%) |
|-----------|---------|---------|--------|------------|
| ARTO IN | 644 | 480 | SELL | (25) |
| ATLP IN | 5,933 | 4,050 | SELL | (32) |
| CLEAN IN | 1,306 | 1,540 | ADD | 18 |
| DN IN | 2,131 | 2,190 | REDUCE | 3 |
| NFIL IN | 3,004 | 3,120 | REDUCE | 4 |
| SRF IN | 2,488 | 2,660 | BUY | 7 |
| TTCH IN | 1,048 | 780 | SELL | (26) |
| VO IN | 1,616 | 1,100 | SELL | (32) |
| BYRCS IN | 4,985 | 5,190 | SELL | 4 |
| GOAGRO IN | 500 | 600 | ADD | 20 |
| PLIN | 3,701 | 3,830 | ADD | 3 |
| RALI IN | 255 | 220 | SELL | (14) |
| UPLL IN | 459 | 390 | SELL | (15) |

| | P/E(| x) | EV/EBIT | DA(x) |
|-----------|-------|-------|---------|-------|
| Ticker | 2025E | 2026E | 2025E | 2026E |
| ARTO IN | 42.3 | 31.6 | 20.5 | 16.6 |
| ATLP IN | 35.3 | 29.0 | 20.5 | 16.5 |
| CLEAN IN | 43.4 | 25.4 | 31.2 | 16.5 |
| DN IN | 32.4 | 26.0 | 23.8 | 20.4 |
| NFIL IN | 41.3 | 28.5 | 23.9 | 17.7 |
| SRF IN | 38.2 | 33.7 | 21.4 | 15.6 |
| TTCH IN | 31.9 | 28.9 | 9.7 | 9.0 |
| VO IN | 41.9 | 33.4 | 28.4 | 22.3 |
| BYRCS IN | 24.6 | 22.3 | 17.0 | 15.3 |
| GOAGRO IN | 21.4 | 21.4 | 13.0 | 10.0 |
| PLIN | 32.0 | 28.5 | 23.3 | 20.7 |
| RALI IN | 24.1 | 20.7 | 13.2 | 11.5 |
| UPLL IN | 54.8 | 16.5 | 7.7 | 6.0 |

Source: Bloomberg, Company data, Kotak Institutional Equities estimates

Prices in this report are based on the market close of March 21, 2024

Quick Numbers

India's exports of organic and inorganic chemicals jumped 23%/33% mom/yoy

Imports increased 9% mom but fell 12% yoy

Related Research

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Agriculture dashboard

US corn and soybean futures ticked up sequentially, but remain sharply lower yoy; palm oil rose, too

Exhibit 1: International crop futures prices

| | Unit | 20-Mar-24 | 19-Feb-24 | 21-Mar-23 | mom | yoy |
|----------------------------|----------------|-----------|-----------|-----------|-------|--------|
| US crop futures prices | 0 | | | 21 | | ,., |
| Coffee | (US\$/lb) | 1.8 | 1.9 | 1.9 | -4.4% | -2.3% |
| Cotton | (US\$/lb) | 0.9 | 0.9 | 0.8 | -0.8% | 10.4% |
| Corn | (US\$/bushel) | 4.4 | 4.2 | 6.3 | 5.4% | -30.3% |
| Rice | (US\$/cwt) | 17.7 | 18.3 | 17.3 | -3.4% | 2.5% |
| Soybean | (US\$/bushel) | 12.1 | 11.7 | 14.7 | 3.2% | -17.6% |
| Sugar | (USc/lb) | 21.4 | 22.4 | 17.9 | -4.2% | 20.0% |
| Wheat | (US\$/bushel) | 5.5 | 5.6 | 7.3 | -2.5% | -25.3% |
| Brazil crop futures prices | 3 | | | | | |
| Corn | US\$/60 kg-bag | 14.6 | 16.2 | 16.7 | -9.8% | -12.4% |
| Soybean | US\$/60 kg-bag | 24.8 | 24.0 | 30.9 | 3.5% | -19.7% |
| Europe futures prices | | | | | | |
| Wheat | US\$/ ton | 235.7 | 220.9 | 268.6 | 6.7% | -12.2% |
| Malaysia futures prices | | | | | | |
| Palm oil | US\$/ ton | 920.5 | 826.5 | 922.1 | 11.4% | -0.2% |

Note: 1 bushel of corn = 25.401 kg, 1 bushel of wheat or soybean = 27.216 kg, 1cwt = 45.359 kg

Source: Bloomberg, Kotak Institutional Equities

In India, prices of vegetables are significantly higher yoy

Exhibit 2: Spot prices of crop commodities in India

| | 19-Mar-24 | 27-Feb-24 | 22-Mar-23 | mom | yoy |
|------------------------|-----------|-----------|-----------|-------|--------|
| Crop prices (Rs/quinta | al) | | | | |
| Paddy | 2,441 | 2,380 | 1,850 | 2.5% | 32.0% |
| Wheat | 2,433 | 2,406 | 2,295 | 1.1% | 6.0% |
| Maize | 2,145 | 2,158 | 2,133 | -0.6% | 0.6% |
| Soybean | 4,358 | 4,294 | 4,854 | 1.5% | -10.2% |
| Cotton | 7,155 | 6,767 | 7,448 | 5.7% | -3.9% |
| Ground nut | 6,287 | 6,256 | 6,399 | 0.5% | -1.8% |
| Rubber (natural) | 16,957 | 15,444 | 13,950 | 9.8% | 21.6% |
| Vegetable prices (Rs/ | quintal) | | | | |
| Cabbage | 1,749 | 1,698 | 975 | 3.0% | 79.4% |
| Cauliflower | 2,257 | 1,758 | 1,399 | 28.4% | 61.3% |
| Onion | 1,937 | 1,962 | 1,388 | -1.3% | 39.6% |
| Potato | 1,510 | 1,269 | 992 | 19.0% | 52.2% |
| Tomato | 2,104 | 1,981 | 1,340 | 6.2% | 57.0% |

Source: Agmarknet, Kotak Institutional Equities

Global estimated stock-to-use ratios underwent modest cuts in March 2024, except for rice

Exhibit 3: USDA world agriculture demand and supply estimates

| | | | | | Feb-24 | Mar-24 |
|-------------------------|--------------------|---------|---------|------------------|--------------------|--------------------|
| Crop | Unit | 2020-21 | 2021-22 | 2022-23 Estimate | 2023-24 Projection | 2023-24 Projection |
| Corn - world | mn MT | | | | | |
| Production | | 1,129.4 | 1,216.0 | 1,157.5 | 1,232.6 | 1,230.2 |
| Consumption | | 1,144.0 | 1,198.3 | 1,166.6 | 1,210.8 | 1,212.2 |
| Closing stocks | | 292.8 | 310.7 | 301.6 | 322.1 | 319.6 |
| Stock-to-use | | 25.6% | 25.9% | 25.9% | 26.6% | 26.4% |
| Corn - world less China | mn MT | | | | | |
| Production | | 868.8 | 943.4 | 880.3 | 943.7 | 941.4 |
| Consumption | | 859.0 | 907.3 | 867.6 | 904.8 | 906.2 |
| Closing stocks | | 87.1 | 101.5 | 95.6 | 110.2 | 107.8 |
| Stock-to-use | | 10.1% | 11.2% | 11.0% | 12.2% | 11.9% |
| Cotton - world | mn 480-pound bales | | | | | |
| Production | | 111.5 | 114.5 | 116.6 | 112.8 | 113.0 |
| Consumption | | 123.3 | 116.1 | 111.2 | 112.5 | 112.9 |
| Closing stocks | | 86.3 | 76.4 | 83.2 | 83.7 | 83.3 |
| Stock-to-use | | 70.0% | 65.8% | 74.9% | 74.4% | 73.8% |
| Rice - world | mn MT | | | | | |
| Production | | 509.3 | 513.1 | 513.0 | 513.7 | 515.4 |
| Consumption | | 503.7 | 517.8 | 519.9 | 522.9 | 522.9 |
| Closing stocks | | 187.3 | 183.3 | 176.4 | 167.2 | 169.7 |
| Stock-to-use | | 37.2% | 35.4% | 33.9% | 32.0% | 32.5% |
| Soybean - world | mn MT | | | | | |
| Production | | 368.6 | 360.4 | 378.1 | 398.2 | 396.9 |
| Consumption | | 364.0 | 364.0 | 364.9 | 383.0 | 381.9 |
| Closing stocks | | 100.4 | 98.0 | 103.6 | 116.0 | 114.3 |
| Stock-to-use | | 27.6% | 26.9% | 28.4% | 30.3% | 29.9% |
| Wheat - world | mn MT | | | | | |
| Production | | 774.4 | 780.1 | 789.7 | 785.7 | 786.7 |
| Consumption | | 787.7 | 791.2 | 790.9 | 797.5 | 799.0 |
| Closing stocks | | 286.3 | 272.3 | 271.6 | 259.4 | 258.8 |
| Stock-to-use | | 36.3% | 34.4% | 34.3% | 32.5% | 32.4% |

Source: USDA, Kotak Institutional Equities

For India, the USDA revised rice and cotton production estimates upward

Exhibit 4: USDA India agriculture demand and supply estimates

| | | | | | Feb-24 | Mar-24 |
|----------------|--------------------|---------|---------|-------------------|--------------------|--------------------|
| Crop | Unit | 2020-21 | 2021-22 | 2022-23 Estimates | 2023-24 Projection | 2023-24 Projection |
| Cotton | mn 480-pound bales | | | | | |
| Production | | 27.6 | 24.3 | 26.3 | 25.0 | 25.5 |
| Consumption | | 26.0 | 25.0 | 23.5 | 23.7 | 24.0 |
| Closing stocks | | 11.9 | 8.4 | 11.8 | 12.5 | 12.3 |
| Stock-to-use | | 45.9% | 33.6% | 50.3% | 52.8% | 51.3% |
| Rice | mn MT | | | | | |
| Production | | 124.4 | 129.5 | 135.8 | 132.0 | 134.0 |
| Consumption | | 101.1 | 110.5 | 114.5 | 118.0 | 118.0 |
| Closing stocks | | 37.0 | 34.0 | 35.0 | 33.0 | 35.0 |
| Stock-to-use | | 36.6% | 30.8% | 30.6% | 28.0% | 29.7% |
| Wheat | mn MT | | | | | |
| Production | | 107.9 | 109.6 | 104.0 | 110.6 | 110.6 |
| Consumption | | 102.2 | 109.9 | 108.7 | 111.0 | 111.0 |
| Closing stocks | | 27.8 | 19.5 | 9.5 | 9.0 | 9.0 |
| Stock-to-use | | 27.2% | 17.7% | 8.7% | 8.1% | 8.1% |

Source: USDA, Kotak Institutional Equities

World stock-to-use ratios have moved up for corn (ex-China) and soybeans in recent years, weighing on their prices

Exhibit 5: World stock-to-use ratios in key crops

| | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023E | 2024P |
|-----------|------|------|------|------|------|------|------|------|-------|-------|
| Corn | 21% | 22% | 32% | 31% | 28% | 27% | 26% | 26% | 26% | 26% |
| non-China | 14% | 14% | 15% | 14% | 13% | 12% | 10% | 11% | 11% | 12% |
| Cotton | 100% | 85% | 69% | 66% | 67% | 94% | 70% | 66% | 75% | 74% |
| Rice | 24% | 28% | 31% | 34% | 37% | 37% | 37% | 35% | 34% | 32% |
| Soybean | 26% | 25% | 29% | 29% | 33% | 27% | 28% | 27% | 28% | 30% |
| Wheat | 31% | 34% | 35% | 38% | 39% | 40% | 36% | 34% | 34% | 32% |
| | | | | | | | | | | |

Source: USDA, Kotak Institutional Equities

Weather conditions have generally been reasonably favorable, permitting larger harvests

| India | The more than normal minimum temperatures in March may affect the wheat crops |
|---------------|--|
| Europe | Warm and showery weather prevailed, with locally heavy rain reported from England southeastward into the southern Balkans. |
| Latin America | Warm, sunny weather returned to much of the south, hastening maturation of first-crop corn and soybeans but limiting moisture for later-planted summer crops in Brazil. Heavy rain provided abundant moisture for summer crops in high-yielding central and northeastern farming areas in Argentina. |
| Australia | Relatively dry weather in the east favored summer crop maturation and harvesting. |
| Asia | Southern showers continued to benefit seasonal rice, while earlier-than-normal heat continued in Thailand. Unseasonable warmth promoted winter crop development, while southern showers aided early-crop rice establishment in South-East Asia |
| Middle east | Widespread showers in Turkey and Iran bookended dry conditions in central portions of the region. |
| | |

Source: USDA, Kotak Institutional Equities

Fertilizer prices have generally been under pressure, though urea has perked up lately

Exhibit 7: Fertilizer prices (US\$/MT)

| | Average | monthly pri | ces | Price as of | % change | |
|-------------------------------|---------|-------------|--------|-------------|----------|--------|
| Prices in USD/ton | Feb-24 | Jan-24 | Feb-23 | 15-Mar-24 | mom | уоу |
| International prices | | | | | | |
| Ammonia (US) | 445 | 505 | 740 | 445 | -11.9% | -39.9% |
| DAP (US) | 581 | 580 | 735 | 583 | 0.2% | -20.9% |
| Phosphoric acid (China) | 1062 | 1062 | 1193 | NA | 0.0% | -11.0% |
| Potassium Chloride (US) | 289 | 296 | 497 | NA | -2.3% | -41.8% |
| Rock phosphate (Global index) | 153 | 153 | 323 | NA | 0.0% | -52.7% |
| Urea (US) | 351 | 322 | 327 | 396 | 8.8% | 7.4% |
| India prices | | | | | | |
| Ammonia | 335 | 425 | 752 | 390 | -21.2% | -55.4% |
| Phosphoric acid | 972 | 985 | 1050 | 968 | -1.3% | -7.4% |
| Urea | 323 | 342 | 576 | 323 | -5.8% | -44.0% |

Non-urea fertilizer sales slipped slightly yoy in February 2024; however, YTD sales are higher despite lower imports

Exhibit 8: Production, sales and imports of fertilizers (mn MT)

| | F | Feb-24 | | | % yoy | | | YTD 2024 | | | % уоу | | |
|---------------------|------------|--------|--------|------------|--------------|--------|------------|----------|--------|------------|-------|--------|--|
| (mn MT) | Production | Sales | Import | Production | Sales | Import | Production | Sales | Import | Production | Sales | Import | |
| Urea | 2.33 | 2.66 | 0.23 | -3% | 17% | 120% | 28.91 | 34.41 | 6.67 | 11% | 1% | -10% | |
| DAP | 0.31 | 0.39 | 0.22 | -24% | -5% | -17% | 4.07 | 10.69 | 5.31 | 2% | 5% | -20% | |
| Complex fertilizers | 0.68 | 0.71 | 0.16 | -9% | -4% | -13% | 8.86 | 11.24 | 2.00 | 12% | 21% | -18% | |
| MOP | NA | 0.12 | 0.18 | NA | -1% | NA | NA | 1.52 | 2.21 | NA | 0% | 59% | |

Source: Department of Fertilizers, Kotak Institutional Equities

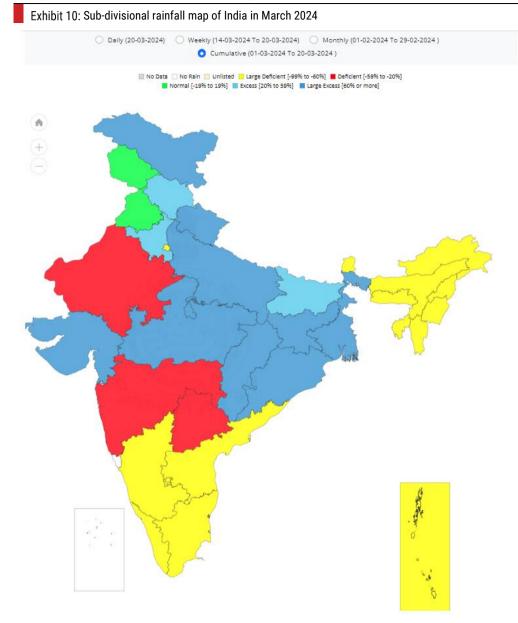
Subsidy disbursement picked up by 160% yoy for P&K fertilizers in January 2024

Exhibit 9: Fertilizer subsidy disbursement (Rs bn)

| | Apr-23 | May-23 | Jun-23 | Jul-23 | Aug-23 | Sep-23 | Oct-23 | Nov-23 | Dec-23 | Jan-24 | YTD 2024 |
|-------------------------|----------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Fertilizer monthly subs | idy disbursement (Rs | on) | | | | | | | | | |
| Urea | 69 | 93 | 141 | 185 | 156 | 63 | 92 | 73 | 153 | 92 | 1,115 |
| P&K | 94 | 1 | 66 | 85 | 95 | 81 | 11 | 57 | - | 156 | 646 |
| Total | 162 | 94 | 206 | 270 | 251 | 144 | 103 | 130 | 153 | 248 | 1,760 |
| Growth (yoy, %) | | | | | | | | | | | |
| Urea | 39 | 67 | (3) | 100 | 14 | (15) | 32 | (80) | (37) | (53) | (22) |
| P&K | 1,387 | (18) | 5,301 | (20) | 364 | (39) | (92) | (56) | (100) | 160 | (1) |
| Total | 191 | 65 | 42 | 35 | 60 | (31) | (52) | (74) | (47) | (4) | (15) |

Source: Department of Fertilizers, Kotak Institutional Equities

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Most parts of southern and northeastern India experienced deficient rainfall in March 2024

Source: IMD, Kotak Institutional Equities

Deficit rainfall has depleted water reservoir levels in southern India

| Exhibit 11: Region-wise water reservoir levels (b | bn cubic meter) |) as of March 14, 2024 |
|---|-----------------|------------------------|
|---|-----------------|------------------------|

| Regions | Current storage | Last year's storage | 10 years average storage |
|----------|-----------------|---------------------|--------------------------|
| Northern | 6.7 | 7.7 | 6.8 |
| Eastern | 10.4 | 9.1 | 10.5 |
| Western | 17.8 | 21.2 | 16.1 |
| Central | 22.8 | 23.8 | 21.0 |
| Southern | 13.1 | 22.3 | 18.4 |

Source: Central Water Commission, Kotak Institutional Equities

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Livestock market watch: Broiler prices rose sequentially in January 2024

Exhibit 12: Prices of broiler (Rs/kg), egg (Rs/100 eggs) and layer (Rs/kg)

| | Unit | Jan-24 | Dec-23 | Jan-23 | mom | yoy |
|------------------------|---------------|--------|--------|--------|-----|------|
| Average broiler prices | (Rs/kg) | 96 | 87 | 110 | 10% | -13% |
| Average egg prices | (Rs/100 eggs) | 586 | 588 | 533 | 0% | 10% |
| Average layer prices | (Rs/kg) | 48 | NA | 57 | NA | -16% |

9(3) agrochemical registration watch

| Exhibit 13: Registration committee decisions on registration of new formulations/technicals in 454th meeting (held on Feb 29, 2024) |
|---|
| Exhibit 15. Registration committee decisions on registration of new formulations/reclinicals in 454th meeting (new of Feb 29, 2024) |

| Company | Product | Comments |
|------------------------------------|---|---|
| M/s Natco Pharma Ltd | Boscalid 25.2%+ Pyraclostrobin 12.8% WG | Registration granted and approved for indigenous manufacture of Boscalid 25.2%+ Pyraclostrobin 12.8% WG under section 9(3) FIM vs FIT. |
| M/s Sumitomo Chemicals India | Etoxaconazole 10% SC | Registration granted and approved for indigenous manufacture of Etoxaconazole 10% SC under section 9(3) FIM vs FIT. |
| M/s Bharat Rasayan Ltd | Lamba cyhalothrin 22.8% CS | Registration granted and approved for indigenous manufacture of Lamba cyhalothrin 22.8% CS under section 9(3) FIM vs FIT. |
| M/s BASF India Ltd | Teflubenzuron technical 98% w/w min | Registration granted and approved for technical import of Teflubenzuron technical 98% w/w min. under section 9(3) TI. |
| M/s BASF India Ltd | Alphacypermethrin 75 g/l + Triflubenzuron 75 g/l SC | Registration granted and approved for indigenous manufacture of Alphacypermethrin 75 g/l + Triflubenzuron 75 g/l SC under section 9(3) FIM. |
| M/s Syngenta India Ltd | Pydiflumetofen technical 98% w/w min. | Registration granted and approved for technical import of Pydiflumetofen technical 98% w/w min. under section 9(3) TI |
| M/s Syngenta India Ltd. | Pydiflumetofen 6.89% + Difenconazole 11.49% SC (Pydiflumetofen 7.5% + Difenconazole 12.5% SC). | Registration granted and approved for formulation import of Pydiflumetofen 6.89% + Difenconazole 11.49% SC (Pydiflumetofen 7.5% + Difenconazole 12.5% SC). under section 9(3) Fl. |
| M/s Saraswati Agrochemicals | Ethafluralin technical 96% w/w min. | Registration granted and approved for technical import of Ethafluralin technical 96% w/w min. under section 9(3) TI. |
| M/s Saraswati Agrochemicals | Ethafluralin 35.65% EC (36% EC) | Registration granted and approved for r indigenous manufacture of import of Ethafluralin 35.65% EC (36% EC) under section 9(3) FIM. |
| M/s Dhanuka Agritech | Glufosinate ammonium technical 95% w/w min | Registration granted and approved for technical import of Glufosinate ammonium technical 95% w/w min. under section 9(3) TI (new source) |
| M/s Dhanuka Agritech Ltd | Ipfencarbazone technical 97% w/w min | Registration granted and approved for technical import of Ipfencarbazone technical 97% w/w min. under section 9(3) TI |
| M/s Dhanuka Agritech Ltd | Ipfencarbazone 25% SC (22.81% w/w) | Registration granted and approved for $$ indigenous manufacture of lpfencarbazone 25% SC (22.81% w/w) under section 9(3) FIM $$ |
| M/s Bharat Rasayan | Carfentrazone ethyl technical 90% w/w min. | Registration granted and approved for indigenous manufacture of Carfentrazone ethyl technical 90% w/w min. under section $9(3)$ TIM vs TI |
| M/s Godrej Consumers Products Ltd. | Renofluthrin 1.5% Liquid Vaporizer | Registration granted and approved for indigenous manufacture Renofluthrin 1.5% Liquid Vaporizer under section 9(3) FIM. |
| M/s Best Crop Science | Fomesafen technical 95% w/w min. | Registration granted and approved for indigenous manufacture of Fomesafen technical 95% w/w min. under section 9(3) TIM vs TI. |
| M/s Seedling India Pvt. | Pymetrozine 30% + Dinotefuran 10% + Pyraclostrobin 20% WG | Registration granted and approved for indigenous manufacture of Pymetrozine 30% + Dinotefuran 10% + Pyraclostrobin 20% WG under section 9(3) FIM. |
| M/s Willowood Chemicals Pvt. | Metalaxyl technical 97% w/w min. | Registration rejected for technical import of Metalaxyl technical 97% w/w min. under section 9(3) TI |
| M/s UPL | Mancozeb 52.6% + Hexaconazole 2.4% WG | Registration granted and approved for indigenous manufacture of Mancozeb 52.6% + Hexaconazole 2.4% WG under section 9(3) FIM. |
| M/s FMC India | Beflubutamid 2.5% GR | Registration deferred as the technical is not registered |
| M/s Rallis India | Fipronil 12.5% + Lambdacyhalothrin 5% ZC | Registration granted and approved for indigenous manufacture of Fipronil 12.5% + Lambdacyhalothrin 5% ZC under section 9(3) FIM |
| M/s Coromandel International | Mancozeb 40% + Tebuconazole 1.0% WS | Registration granted and approved for indigenous manufacture of Mancozeb 40% + Tebuconazole 1.0% WS under section 9(3) FIM |
| M/s Willowood Chemicals | Fomesfen 12.5% + Fenoxaporp ethyl 10% + Chlorimuron ethyl 0.9% ME | Registration granted and approved for indigenous manufacture of fomesfen 12.5% + Fenoxaporp ethyl 10% + Chlorimuron ethyl 0.9% ME under section 9(3) FIM |

Source: CIB, Kotak Institutional Equities

Chemical dashboard

India's chemical exports increased 23%/33% mom/yoy, whereas imports declined 12% yoy but increased 9% mom in February 2024

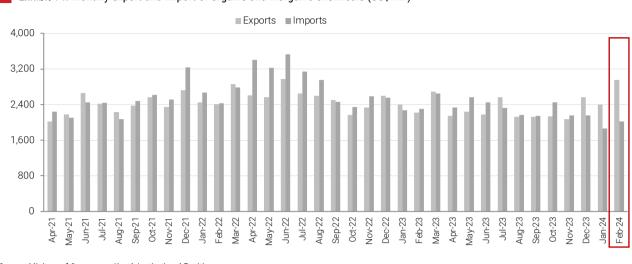


Exhibit 14: Monthly export and import of organic and inorganic chemicals (US\$ mn)

Source: Ministry of Commerce, Kotak Institutional Equities

US chemical production has picked up in some pockets, but prices remain under pressure

Exhibit 15: Change (yoy, 3-month moving average) in chemicals production and producer prices in the US

| | February 2024 3 | MMA % yoy change |
|-----------------------------|-----------------|------------------|
| | Production | Producer prices |
| Chemicals | 1.9 | (4.9) |
| Agricultural chemicals | 4.2 | (17.4) |
| Consumer products | 1.9 | 2.5 |
| Basic & specialty chemicals | 1.6 | (6.2) |
| Basic chemicals | 4.2 | (8.2) |
| Inorganic chemicals | (2.2) | (9.5) |
| Bulk Petrochem & Organics | 8.7 | (9.9) |
| Plastic resins | 4.6 | (3.2) |
| Synthetic rubber | (11.4) | (8.5) |
| Manufactured fibers | (6.3) | (1.7) |
| Specialty chemicals | (5.3) | 0.2 |
| Coatings | (3.3) | (0.9) |
| Other specialities | (6.8) | 0.8 |
| Feedstocks | n/a | (34.7) |
| Capacity utilization | 78.0% | n/a |

--1 0004 00404 0

Source: American Chemistry Council, Kotak Institutional Equities

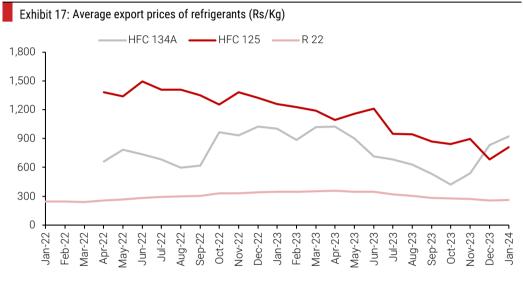
8

Exhibit 16: US chemical production, exports and producer prices

| | | Change (| %) |
|--------------------------|--------|----------|--------|
| | Month | mom | уоу |
| Chemical Production | Feb-24 | 1.6% | -1.6% |
| Chemical Import Prices | Feb-24 | 0.2% | -18.1% |
| Chemical Producer Prices | Feb-24 | 0.9% | -4.9% |
| | | | |

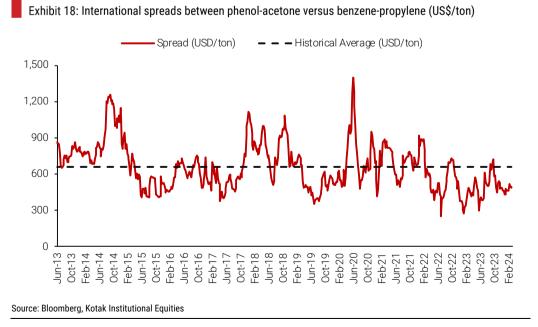
Source: American Chemistry Council, Kotak Institutional Equities





Source: Ministry of Commerce, Kotak Institutional Equities

International phenol spreads remain below the decadal average



9

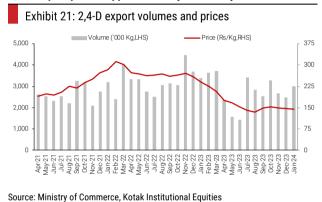
Soda ash spot prices in China declined further last month

Exhibit 19: China spot soda-ash prices

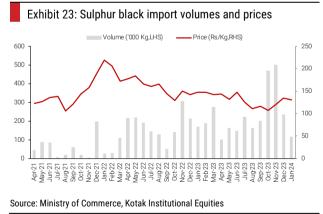


Source: Bloomberg, Kotak Institutional Equities

2,4-D export prices dipped modestly in January 2024

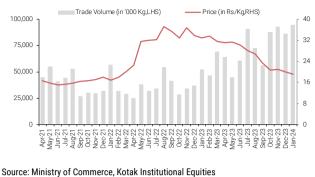


Sulphur black import volumes declined



Soda ash continues to see heavy imports into India

Exhibit 20: Soda ash import volumes and prices

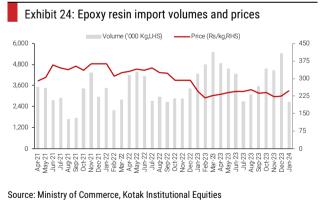


Para-cresol export volumes remained elevated amid soft prices



Source: Ministry of Commerce, Kotak Institutional Equities

Epoxy resin import prices increased amid declining volumes



R134a import prices perked up

Exhibit 25: R134a import volumes and prices

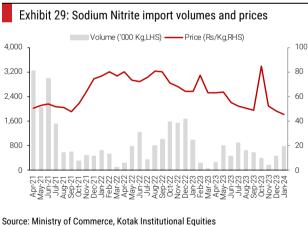


Source: Ministry of Commerce, Kotak Institutional Equities

R125 export prices rose amid low volumes



Source: Ministry of Commerce, Kotak Institutional Equities



Sodium nitrite import prices declined

R32 import prices also rose

Exhibit 26: R32 import volumes and prices



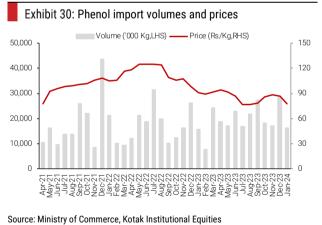
Source: Ministry of Commerce, Kotak Institutional Equities

R22 export volumes were sharply lower

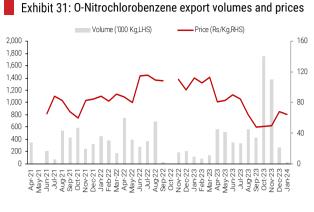


Source: Ministry of Commerce, Kotak Institutional Equities

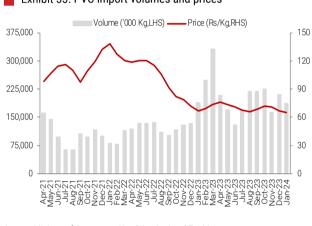
Phenol import prices also dipped



ONCB export volumes were lower



Source: Ministry of Commerce, Kotak Institutional Equities



Source: Ministry of Commerce, Kotak Institutional Equities

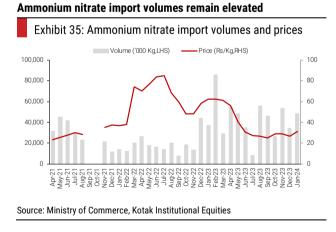
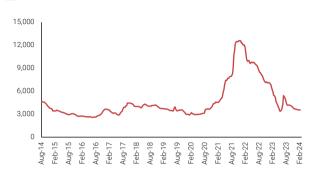


Exhibit 33: PVC import volumes and prices

PVC import prices remain under pressure

Glyphosate prices in China continue to decline

Exhibit 32: Glyphosate China prices (USD/ton)



Source: Ministry of Commerce, Kotak Institutional Equities

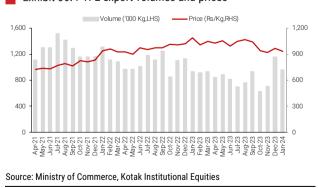
Caustic soda export volumes moderated

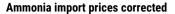
Exhibit 34: Caustic soda export volumes and prices Volume ('000 Kg,LHS) Price (Rs/Kg,RHS) 40.000 80 32,000 60 24.000 40 16,000 20 8,000 0 0 TANONAL AND A CONTRACTION AND A CONTRACTICACIÓN Apr

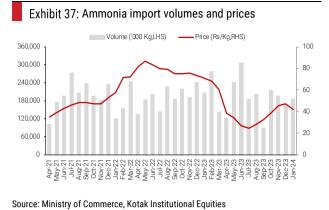
Source: Ministry of Commerce, Kotak Institutional Equities

PTFE export prices have dipped

Exhibit 36: PTFE export volumes and prices







Price trends for basic chemicals are mixed

Exhibit 39: Price trends for key basic chemicals (Rs/kg)

| | | | Latest | | % ch | 0000 | | |
|------------------------|---------------------|-----------------|--------|-----|-------------|------|------------|---------------------------------------|
| Product name | Unit | Decien | Price | 1W | -‰ cn 1M | • | 12M | Relevant for |
| Basic Chemicals | Unit | Region | Price | IVV | I IVI | 3171 | | Relevant for |
| Acetic acid, local | Rs/kg | India | 60 | 0% | 3% | -5% | 0% | LXCHEM, JUBLINGR (RM) |
| Acetone | US\$/ton | China | 1,028 | 0% | 0% | | -13% | DN (FG) |
| Acrylonitrile | US\$/ton | SE Asia | 1,028 | 1% | 3% | | -17% | VO (RM) |
| Bromine, int'l | US\$/ton | China | 2,970 | -3% | | | -25% | NEOGEN (RM) |
| Benzene | US\$/ton | India | 1,045 | -1% | | | -11% | ARTO (RM) |
| BOPP film | Rs/kg | India | 127 | 0% | 1% | -2% | -28% | SRF (FG) |
| Caprolactam | US\$/ton | Taiwan, S Korea | 1,690 | 0% | -2% | 1% | -2% | CENK, SRF (RM), GSFC (FG) |
| Chloroform | US\$/kg | India | 0.32 | 0% | | -10% | -36% | NFIL (RM) |
| Ethyl acetate | US\$/ton | China | 865 | -2% | -4% | -5% | -8% | GNFC, JUBILINGR, LXCHEM (FG) |
| Ethylene dichloride | US\$/kg | India | 0.35 | | -10% | 13% | | CHEMPLAS, FINOLEX, RIL (RM) |
| Fluorospar | US\$/ton | China | 458 | 1% | 3% | -5% | 3% | NFIL (RM) |
| Isopropyl alcohol | US\$/ton | China | 1,028 | 0% | 2% | 0% | 17% | DN, DFCPL (FG) |
| Phenol | US\$/ton | China | 1,028 | -1% | -6% | -5% | -7% | VO, CLEAN (RM), DN (FG) |
| PVC | Rs/kg | India | 80 | 0% | -2% | | -16% | CHEMPLAS, DCM, DCW, FINOLEX, RIL (FG) |
| Soda ash (China FOB) | US\$/ton | China | 251 | | | | -30% | TTCH (FG) |
| Sodium nitrite | US\$/kg | India | 0.62 | 0% | | | -24% | DN (FG) |
| Toluene | US\$/kg US\$/ton | China | 1,027 | 1% | 14% | | -24% | ARTO (RM) |
| Vinyl acetate monomer | US\$/ton | China | 1,027 | 0% | -3% | | -5% | PIDI (RM) |
| Fertilizers | 000,1011 | Grina | 1,014 | 070 | 0.0 | 1070 | 5% | |
| Ammonia, local | US\$/ton | India | 390 | 22% | 11% | -22% | -14% | |
| Ammonia, int'l | US\$/ton | US | 445 | 0% | | -15% | -25% | DFPC, CRIN (RM) |
| Phosphoric acid, local | US\$/ton | India | 968 | 0% | 0% | -2% | -8% | CRIN (RM) |
| Rock phosphate | Index | Index | 153 | 0% | | -56% | | CRIN (RM) |
| DAP | US\$/ton | Morocco | 583 | 0% | 0% | | -14% | |
| DAP | US\$/ton | Global | 635 | 4% | 10% | 14% | 5% | |
| Urea, local | US\$/ton | India | 323 | 0% | | -20% | -3% | CHMB (FG) |
| Urea, int'l | US\$/ton | US | 323 | 4% | 11% | 32% | -3% 25% | |
| Muriate of Potash | CNY/ton | China | 2,480 | -3% | | -14% | | |
| | CINY/LOII | Ghina | 2,460 | -3% | -0 % | -14% | -30% | |
| Agrochemicals | | | | | | | | |
| Glyphosate | US\$/ton | China | 3,556 | 0% | 0% | -6% | -40% | BYRCS (FG) |
| Chemical spreads | | | | | | | | |
| Phenol | US\$/ton | China | 481 | -2% | 5% | -1% | 22% | DN (FG) |
| Energy prices | | | | | | | | |
| Brent crude | US\$/bbl | | 86 | 2% | 4% | 8% | 14% | |
| Coal | US\$/ton | Indonesia | 125 | -1% | -35% | -35% | -55% | |
| Natural Gas | US\$/mn BTU | US | 2 | 0% | 6% | -29% | -23% | |
| | GBP/ mn BTU | | 9 | | | -13% | | |

Notes: RM = Raw material, FG = Finished Good

Source: Bloomberg, Volza, Plastemart, Kotak Institutional Equities

ATBS export volumes remain well off peak

Exhibit 38: ATBS export volumes and prices

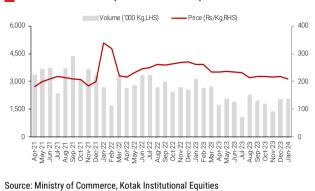


Exhibit 40: Valuation comparables

| | | MCap | | | CMP | Upside | | P/E (X) | | EV/E | BITDA (| (X) | | RoE (%) | | CAG | R 2024-26 | E (%) | Share | price pe | rforman | ce (%) |
|-----------------------------------|----------------|-----------|--------|-------------|------------|--------|---------|---------|-------|---------|---------|------|-------|---------|-------|--------|-----------|--------|-------|----------|---------|--------------|
| | | (US\$ mn) | Rating | FV (Rs) | (Rs) | (%) | 2024E | | 2026E | 2024E | | | 2024E | | 2026E | | e EBITDA | EPS | 1W | 1M | 3M | 11 |
| Basics | | | | | | | | | | | | | | | | | | | | | | |
| Chemplast Sanmar | CHEMPLAS IN | 817 | NR | NA | 430 | NA | (58.2) | 17.6 | 12.5 | 92.0 | 9.3 | 7.6 | 3.1 | 47.7 | 60.6 | # 16.4 | 248.6 | NM | (2.8) | (9.4) | (15.9) | 21.0 |
| DCM Shriram | | 1,683 | NR | NA | 897 | NA | | | | | | | | | | | | | 2.8 | (7.5) | (16.1) | 10.4 |
| Deepak Fertilisers | DFPC IN | 740 | NR | NA | 487 | NA | 16.2 | 9.5 | 8.2 | 8.0 | 5.8 | 5.3 | 7.2 | 11.3 | 11.9 | # 10.7 | 23.4 | 41.1 | 3.2 | (6.6) | (26.6) | (12.8) |
| GNFC | | 1,098 | NR | NA | 621 | NA | | | | | | | | | | | | | 1.0 | (7.1) | (14.7) | 16.1 |
| GACL | | 607 | NR | NA | 687 | NA | | | | | | | | | | | | | (1.7) | (15.7) | (7.1) | 16.0 |
| GHCL | GHCL IN | 513 | NR | NA | 445 | NA | 5.8 | 5.4 | 5.0 | 3.8 | 3.4 | 3.2 | 16.5 | 15.8 | 15.3 | # 5.4 | 9.6 | 7.6 | (2.6) | (12.8) | (21.0) | (9.4) |
| Tata Chemicals | TTCH IN | 3,159 | SELL | 780 | 1,048 | (25.5) | 22.7 | 31.9 | 28.9 | 8.5 | 9.7 | 9.0 | 5.7 | 4.0 | 4.3 | 4.0 | (2.8) | (11.3) | (7.7) | 7.2 | 3.8 | 9.9 |
| Non-Basics/Specialties/Diversifie | d | | | | | | | | | | | | | | | | | | | | | |
| Aarti | ARTO IN | 2,768 | SELL | 480 | 644 | (25.5) | 56.1 | 42.3 | 31.6 | 26.4 | 20.5 | 16.6 | 8.1 | 9.9 | 12.1 | 21.3 | 28.1 | 33.2 | (0.3) | (6.3) | 8.6 | 23.6 |
| Aether Industries | AETHER IN | 1.288 | NR | NA | 807 | NA | 88.2 | 54.8 | 39.2 | 64.9 | 36.8 | 25.2 | 7.2 | 8.8 | 11.1 | 47.4 | 60.4 | 50.0 | 2.0 | (6.2) | (10.3) | (7.4) |
| Alkyl Amines | AACL IN | 1,184 | NR | NA | 1,925 | NA | 65.0 | 40.9 | 29.0 | 39.1 | 24.9 | 18.8 | 14.3 | 17.9 | 20.4 | 23.4 | 44.2 | 49.5 | (2.1) | (13.0) | (16.9) | (16.9) |
| Ami Organics | AMIORG IN | 501 | NR | NA | 1.130 | NA | 61.9 | 41.9 | 30.2 | 35.1 | 26.9 | 20.8 | 10.5 | 14.7 | 17.0 | 20.0 | 29.9 | 43.3 | 7.4 | 3.6 | (0.9) | 20.9 |
| Apcotex | APCO IN | 262 | NR | NA | 419 | NA | | | | | | | | | | | | | (3.7) | (12.4) | (16.5) | (2.9) |
| Archean chemicals | ACI IN | 1.104 | NR | NA | 753 | NA | 25.3 | 16.4 | 13.4 | 16.8 | 11.1 | 9.2 | | | | | | | 0.5 | 18.4 | 28.2 | 19.1 |
| Atul | ATLP IN | 2,081 | SELL | 4,050 | 5,933 | (31.7) | 44.0 | 35.3 | 29.0 | 23.8 | 19.5 | 16.5 | 8.1 | 9.4 | 9.4 | 13.2 | 19.8 | 23.2 | (0.5) | (6.0) | (13.6) | (15.8) |
| Balaji Amines | BLA IN | 804 | NR | NA | 2.062 | NA | | | | 20.8 | 14.4 | 11.2 | | | | 20.3 | | | 0.2 | (10.1) | (12.8) | 2.9 |
| BASF India | BASE IN | 1.661 | NR | NA | 3.189 | NA | | | | 20.0 | 1.1.1 | | 18.4 | 17.6 | 17.5 | 20.0 | 00.0 | | (0.8) | (2.2) | 5.1 | 34.5 |
| Camlin Fine Sciences | CFIN IN | 202 | NR | NA | 100 | NA | 120.2 | 16.0 | 10.4 | 15.2 | 8.1 | 6.3 | 0.5 | 10.7 | 14.5 | 20.0 | 55.5 | 240.1 | (1.1) | (19.2) | (24.0) | (24.9) |
| Clean Science | CLEAN IN | 1.662 | ADD | 1,540 | 1.306 | 17.9 | 58.0 | 43.4 | 25.4 | 41.7 | 31.2 | 18.6 | 21.5 | 23.8 | 32.2 | 49.9 | | 51.1 | 0.3 | (10.9) | (11.3) | (24.9) NA |
| Deepak Nitrite | DN IN | 3,497 | REDUCE | 2.190 | 2.131 | 2.8 | 37.5 | 32.4 | 26.0 | 25.7 | 23.8 | 20.4 | 17.3 | 17.2 | 18.2 | 49.9 | | 20.1 | 1.5 | (8.4) | (6.7) | 18.7 |
| Gujarat Fluorochem | FLUOROCH IN | 4,139 | NR | 2,190 NA | 3.131 | NA | 70.0 | 36.2 | 26.9 | 35.7 | 22.5 | 17.0 | 8.9 | 14.3 | 16.7 | 25.7 | | 61.3 | (4.8) | (11.5) | (7.6) | 1.1 |
| | HSCH IN | 1,860 | NR | NA | 3,131 | NA | /0.0 | 30.2 | 20.9 | 35.7 | 22.5 | 17.0 | 0.9 | 14.3 | 10.7 | 23.7 | 44.8 | 01.3 | (4.8) | (11.5) | 15.4 | 275.3 |
| Himadri specialty chemical | | 862 | NR | NA | 450 | NA | 29.9 | 20.0 | 17.5 | 16.2 | 12.2 | 10.2 | 0.0 | 10.7 | 12.0 | 15.4 | 26.4 | 30.7 | 4.0 | | | |
| Jubilant Ingrevia | JUBLINGR IN | | NR | NA | | | 58.9 | | | | 17.9 | 14.1 | 8.3 | | | 15.4 | | | | (7.3) | (8.8) | 11.8 |
| Laxmi Organics | LXCHEM IN | 750 | NR | NA | 226 450 | NA | 58.9 | 36.5 | 27.2 | 25.5 | 17.9 | 14.1 | 6.1 | 9.9 | 12.2 | 14.7 | 34.2 | 47.0 | (1.8) | (15.1) | (18.2) | (12.0) |
| Meghmani organics | MEGH IN | 1,288 | | | | | (77 | 44.0 | 00.5 | 00.0 | 00.0 | 477 | 0.5 | 14.0 | 47.7 | 00.1 | 10.4 | 54.0 | 0.0 | (5.4) | (10.0) | (0.0.0) |
| NFIL | NFIL IN | 1,768 | REDUCE | 3,120 | 3,004 | 3.9 | 67.7 | 41.3 | 28.5 | 38.2 | 23.9 | 17.7 | 9.5 | 14.0 | 17.7 | 28.1 | | 54.0 | 0.2 | (5.1) | (19.8) | (28.8) |
| Neogen | NEOGEN IN | 397 | NR | NA | 1,251 | NA | 79.6 | 44.0 | 33.2 | 32.8 | | 15.4 | 6.2 | 9.5 | 12.4 | 24.6 | | 54.8 | 0.9 | (4.6) | (15.8) | (2.9) |
| Nocil | NOCIL IN | 495 | NR | NA | 247 | NA | 32.4 | 25.2 | 19.5 | 18.3 | 15.2 | 12.2 | 7.9 | 9.6 | 11.6 | 14.3 | | 29.0 | 4.1 | (12.6) | (4.9) | 16.7 |
| Sudarshan | SCHI IN | 488 | NR | NA | 586 | NA | 44.2 | 26.9 | 19.8 | 16.0 | 12.6 | 10.5 | 9.0 | 13.2 | 16.2 | 11.8 | 23.3 | 49.3 | 2.5 | 0.8 | 12.7 | 44.9 |
| Supreme Petro | SPPT IN | 1,692 | NR | NA | 732 | NA | | | | | | | | | | | | | | | | |
| Tanfac Industries Itd | TANF IN | 252 | NR | NA | 2,103 | NA | | | | | | | | | | | | | | (8.4) | (5.5) | (2.2) |
| Vinati | VO IN | 1,985 | SELL | 1,100 | 1,616 | (31.9) | 54.8 | 41.9 | 33.4 | 36.4 | 28.4 | 22.3 | 12.5 | 14.2 | 15.7 | 24.5 | 27.3 | 28.2 | 1.5 | (5.6) | (5.0) | (6.3) |
| Vishnu chemicals | VCL IN | 242 | NR | NA | 307 | NA | | | | | | | | | | | | | | | | |
| SRF | SRF IN | 8,769 | BUY | 2,660 | 2,488 | 6.9 | 54.9 | 38.2 | 33.7 | 28.4 | 21.4 | 15.6 | 12.3 | 15.8 | 20.0 | 18.9 | | 45.8 | 2.4 | 3.7 | 3.8 | 5.9 |
| Tatva Chintan | TATVA IN | 333 | NR | NA | 1,184 | NA | 72.7 | 30.2 | 22.5 | 32.9 | 18.1 | 14.0 | 6.0 | 11.6 | 13.9 | 41.5 | 53.4 | 79.8 | 0.2 | (7.0) | (23.1) | (31.9) |
| Yasho Industries | YASHO IN | 291 | NR | NA | 2,118 | NA | | | | | | | | | | | | | | | | _ |
| HPC | | | | | | | | | | | | | | | | | | | | | | |
| Fine Organics | FINEORG IN | 1,506 | NR | NA | 4,083 | NA | 32.2 | 30.9 | 27.8 | 23.2 | 22.1 | 19.7 | 22.9 | 19.9 | 19.2 | 9.5 | | 7.7 | 0.1 | (6.7) | (11.0) | 0.3 |
| Galaxy surfactants | GALSURF IN | 971 | NR | NA | 2,275 | NA | 25.6 | 21.8 | 19.1 | 16.1 | 14.1 | 12.5 | 15.6 | 16.7 | 16.4 | 9.7 | 13.7 | 15.8 | (1.1) | (9.9) | (15.8) | (4.9) |
| Privi | PRIVISCL IN | 489 | NR | NA | 1,039 | NA | | | | | | | | | | | | | (0.4) | (13.6) | (15.6) | (0.8) |
| Oriental Aromatics | OAL IN | 129 | NR | NA | 318 | NA | | | | | | | | | | | | | (5.8) | (12.4) | (8.6) | (14.0) |
| Rossari Bio | ROSSARI IN | 458 | NR | NA | 689 | NA | 27.8 | 21.1 | 18.3 | 15.3 | 12.7 | 10.7 | 13.8 | 15.9 | 16.1 | 14.3 | 19.3 | 23.3 | (2.3) | (10.1) | (12.5) | 15.4 |
| Agrochemicals | | | | | | | | | | | | | | | | | | | | | | |
| Anupam Rasayan | ANURAS IN | 1,181 | NR | NA | 894 | NA | 65.9 | 42.6 | 30.6 | 27.9 | 21.6 | 16.4 | 5.7 | 7.8 | 10.0 | 28.2 | 30.5 | 46.8 | (3.2) | 0.4 | (12.5) | 10.8 |
| Astec LifeScience | ASTEL IN | 263 | NR | NA | 1,117 | NA | (52.9) | 88.4 | 38.1 | (429.3) | 36.1 | 23.8 | (8.5) | 6.1 | 12.3 | 31.6 | NM | NM | 2.7 | 22.0 | (0.2) | (6.6) |
| Bayer CropSc | BYRCS IN | 2,716 | SELL | 5,190 | 4,985 | 4.1 | 27.8 | 24.6 | 22.3 | 19.1 | 17.0 | 15.3 | 29.3 | 31.6 | 33.2 | 10.1 | | | (1.9) | (17.9) | (9.3) | 24.3 |
| Bharat Rasayan | BRSN IN Equity | 443 | NR | NA | 8,857 | NA | | | | | | | | | | | | | 4.9 | 0.2 | (1.5) | (2.6) |
| Best Agro | BESTAGRO IN | 170 | NR | NA | 598 | NA | | | | | | | | | | | | | (3.2) | (25.0) | (33.8) | (47.7) |
| Chambal Fertlizers | CHMB IN | 1,724 | NR | NA | 344 | NA | 10.3 | 8.8 | 7.5 | 5.4 | 4.8 | 4.2 | 17.4 | 16.9 | 18.0 | 6.6 | 14.5 | 16.9 | (0.8) | (5.9) | (0.2) | 27.6 |
| Coromandel Intl | CRIN IN | 3,783 | NR | NA | 1,068 | NA | 18.9 | 15.9 | 14.6 | 11.5 | 9.9 | 9.1 | 19.7 | 19.8 | 18.6 | 8.4 | 12.6 | 13.7 | (1.7) | (1.6) | (11.2) | 23.8 |
| Godrej Agrovet | GOAGRO IN | 1,146 | ADD | 600 | 500 | 20.0 | 28.3 | 21.4 | 16.5 | 16.9 | 13.0 | 10.0 | 11.9 | 14.5 | 16.8 | 11.3 | 17.8 | 22.1 | 0.1 | (2.5) | (9.0) | 20.1 |
| PI Industries | PLIN | 6,632 | ADD | 3,830 | 3,701 | 3.5 | 33.6 | 32.0 | 28.5 | 26.6 | 23.3 | 20.7 | 20.7 | 18.3 | 17.6 | 12.4 | 11.1 | 8.6 | 1.4 | 0.5 | 8.0 | 25.7 |
| Rallis | RALI IN | 593 | SELL | 220 | 255 | (13.8) | 30.6 | 24.1 | 20.7 | 15.8 | 13.2 | 11.5 | 9.1 | 10.8 | 11.8 | 13.0 | | 21.8 | (2.1) | 4.8 | 3.4 | 28.0 |
| Sharda Cropchem | SHCR IN | 367 | NR | NA | 338 | NA | 61.3 | 13.1 | 9.4 | 8.1 | 4.7 | 3.5 | 3.7 | 9.3 | 12.5 | 14.8 | | 154.9 | 1.3 | (8.8) | (20.1) | (25.0) |
| Sumitomo Chemicals | SUMICHEM IN | 2,089 | NR | NA | 348 | NA | 49.2 | 35.2 | 28.6 | 36.7 | 26.1 | 21.5 | 14.4 | 17.8 | 18.8 | 18.2 | | 31.0 | 0.9 | (7.3) | (13.3) | (18.0) |
| UPL | UPLL IN | 4,110 | SELL | 390 | 459 | (15.1) | (24.9) | 54.8 | 16.5 | 12.9 | 7.7 | 6.0 | (5.3) | 2.5 | 7.8 | 4.9 | | NM | (0.6) | (6.7) | (20.4) | (35.1) |
| | 01 22 111 | 1,110 | OLLL | 0.00 | .05 | (10.1) | (2 1.3) | 01.0 | 10.0 | | | 0.0 | (0.0) | 2.0 | 7.0 | 4.5 | | | (0.0) | (0.7) | (20.1) | (00.1) |

Source: Bloomberg, Kotak Institutional Equities estimates

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ADD. We expect this stock to deliver 5-15% returns over the next 12 months.

REDUCE. We expect this stock to deliver -5-+5% returns over the next 12 months.

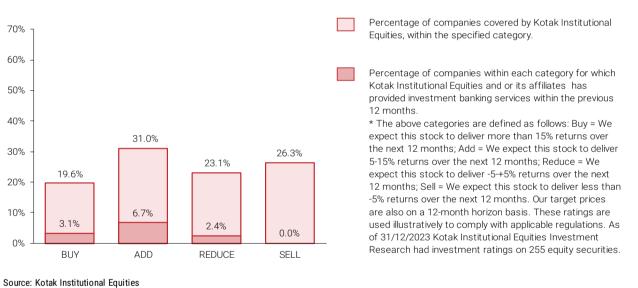
SELL. We expect this stock to deliver <-5% returns over the next 12 months.

Our Fair Value estimates are also on a 12-month horizon basis.

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