

2023



Aliphatic Amine Market Weekly

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Market Review

This week, domestic aliphatic amine market stabilized temporarily with acceptable trading performance. As of Apr. 13, average market price of hydrogenated palmityl amine (in barrel) was at RMB 21,100/T. Raw material palm oil market fluctuated widely, providing weakening cost support for aliphatic amine market. Major aliphatic amine enterprises maintained offers stable.

As for supply, many aliphatic amine enterprises held low production, leading to tight supply. Besides, aliphatic amine enterprises' inventory was at a low level since the order cycle time was longer.

As for demand, demand for aliphatic amine was relatively stable. Surfactant enterprises mostly produced on orders with stable production. Besides, traders actively shipped cargoes owing to acceptable procurement.

From the cost, domestic palm oil market edged down. Although palm oil inventory in Malaysia decreased beyond the expectations, the export volume declined sharply in early Apr. Then palm oil futures price fell back from the high, influencing domestic palm oil price. Thus, the production cost of aliphatic amine dropped slightly.

From the profit, the profit of aliphatic amine remained largely stable. Raw material market edged down but downstream market performed acceptably, so aliphatic amine enterprises maintained offers stable.

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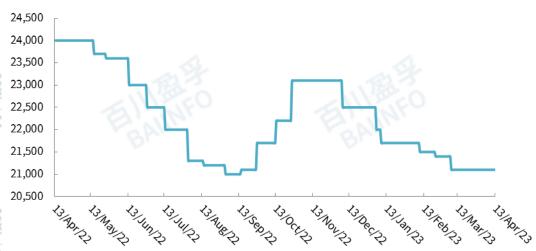
Price Summary

This week, average market price of hydrogenated palmityl amine (in barrel) was at RMB 21,100/T, keeping flat with last week.

Aliphatic Amine Price Change (Unit: RMB/T)

| Product | Apr. 13 | Week avg. | Apr. 6 | Last Week avg. | WoW |
|-----------------------------|---------|-----------|--------|----------------|-----|
| Hydrogenated Palmityl Amine | 21,100 | 21,100 | 21,100 | 21,100 | 0% |

Aliphatic Amine Average Market Price Trend (Unit: RMB/T)



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Forecast

At present, aliphatic amine enterprises keep low production, leading to less spot supply. Besides, aliphatic amine inventory is rare. Moreover, as downstream market turns bullish, buying interests become more active even with low production. In addition, raw material palm oil market is likely to see fluctuations, which will provide bearish cost support for aliphatic amine market. Hence, aliphatic amine market is anticipated to register stable-and-weak scenario next week, with price estimated at RMB 20,500-21,000/T. Raw material price trend should be paid attention to.

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Import & Export Data

In Feb. 2023, the import volume of fat was 4,392.37 tonnes. China mainly imported cargoes from Saudi Arabia, Japan, Canada and Netherlands.

In Feb. 2023, the export volume of fat was 2,103.3 tonnes. China mainly exported cargoes to India, Russia, South Korea and Thailand.

Other Acyclic Polyamines and Their Derivatives including Their Salts Import and Export Data in 2023

| Month | Imp. Qty. (T) | Imp. Val. (USD) | Exp. Qty. (T) | Exp. Val. (USD) |
|-------|---------------|-----------------|---------------|-----------------|
| Jan. | 2,128 | 12,188,319 | 3,086 | 12,820,277 |
| Feb. | 4,392 | 21,661,504 | 2,103 | 9,154,748 |
| Total | 6,520 | 33,849,823 | 5,189 | 21,975,025 |

Other Acyclic Polyamines and Their Derivatives including Their Salts Import and Export by Countries/Regions in Jan. 2023

| Countries/Regions | Imp. Qty. (T) | Imp. Val. (USD) | Exp. Qty. (T) | Exp. Val. (USD) |
|--------------------|---------------|-----------------|---------------|-----------------|
| Japan | 759.354 | 4,714,038 | 252 | 972,065 |
| Saudi Arabia | 596.45 | 3,364,930 | 55 | 233,483 |
| USA | 285.451 | 687,647 | 73 | 563,932 |
| Canada | 206.18 | 853,770 | 31 | 297,247 |
| Belgium | 70.2 | 433,386 | 0.56 | 30,122 |
| Netherlands | 65.403 | 394,188 | 166 | 865,097 |
| India | 56.86 | 408,575 | 389.905 | 1,679,732 |
| Germany | 45.323 | 436,830 | 0 | 6,067 |
| Hungary | 24.42 | 152,259 | 0 | 0 |
| France | 13.6 | 88,400 | 40 | 393,930 |
| Taiwan of China | 2.86 | 34,226 | 26 | 117,480 |
| Austria | 0.913 | 82,161 | 0 | 0 |
| South Korea | 0.537 | 497,337 | 453.608 | 1,779,860 |
| China | 0.003 | 3,623 | 0 | 0 |
| Switzerland | 0.001 | 36,878 | 113 | 1,129,552 |
| Russian Federation | 0 | 0 | 372 | 1,312,194 |
| Thailand | 0 | 0 | 279 | 687,032 |
| Indonesia | 0 | 0 | 192 | 341,599 |
| UAE | 0 | 0 | 166 | 640,845 |

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|--------------------------|---------|------------|------------|--------------------------|
| Malaysia | 0 | 0 | 100 | 273,371 |
| Turkey | 0 | 0 | 76 | 326,800 |
| Brazil | (+) 0 | 0 | 55 | 144,835 |
| Argentina | 0 | 0 | 54 | 166,495 |
| Chile | 0 | 0 (12) | 40 | 128,968 |
| Singapore | 0 | 0 | 34 | 177,976 |
| Philippines | 0 | 0 | 26 | 72,524 |
| Britain | 0 | 71 | 18 | 113,656 |
| Mexico | 0 | 6 | 17 | 108,236 |
| South Africa | 0 | 0 | 13 | 27,970 |
| Ecuador | 0 | 0 | 12.8 | 56,550 |
| Benin | 0 | 0 | 9 | 48,466 |
| Qatar | 0 | 0 | 6 | 22,597 |
| Iran | 0 | 0 | 3 | 22,222 |
| Egypt | 40 | 4 0 | 1.67 | 9,015 |
| Niger | 0 | 0 | 2 | 8,641 |
| Kenya | 11/40 | 111/20 | 1.525 | 8,708 |
| Vietnam | 0 | 0 | 1 | 15,221 |
| Zambia | 0 | 0 | 1.25 | 7,725 |
| Cameroon | 0 | 0 | 1 | 6,059 |
| Bangladesh | 0 | 0 | 1 | 7,262 |
| Nigeria | 0 | 0 | 1 | 4,008 |
| Poland | 135.00 | 135.00 | 177 | 5,680 |
| Venezuela | 0 | 0 | 0 | 3,336 |
| Australia | 0 | 0 | 0 B | 1,144 |
| Suriname | 0 | 0 | 0 | 938 |
| Dominican Republic | 0 | 0 | 0 | 390 |
| Jamaica | 0 | 0 | 0 | 444 |
| Hong Kong of China | Fb 0 | (F) 00 | (F) 0 | 803 |
| Total | 2,128 | 12,188,319 | 3,086 | 12,820,277 |
| 170.01 | 1777.07 | 17.7. | 17/2, 12/2 | 1775.67 |

Other Acyclic Polyamines and Their Derivatives including Their Salts Import and Export by Countries/Regions in Feb. 2023

| Countries/Regions | Imp. Qty. (T) | Imp. Val. (USD) | Exp. Qty. (T) | Exp. Val. (USD) |
|-------------------|---------------|-----------------|---------------|-----------------|
| USA | 1,964.072 | 6,806,504 | 57 | 401,687 |
| Japan | 1,136.74 | 7,039,903 | 185 | 681,107 |
| Saudi Arabia | 833.2 | 5,004,671 | 0 | 0 |
| Netherlands | 249.25 | 1,628,473 | 0 | 0 |
| Canada | 99.784 | 452,008 | 33 | 267,463 |
| Germany | 68.635 | 466,726 | 16 | 171,454 |
| France | 30.6 | 198,900 | 40 | 401,172 |
| Hungary | 6.6 | 41,151 | ~~~0 | 233 |
| India | 3.4 | 11,836 | 353 | 1,555,398 |
| Spain | 0.056 | 2,688 | 0 | 0 |
| Italy | 0.018 | 507 | 0 | 40,861 |
| Taiwan of China | 0.008 | 2,009 | 1 | 5,687 |

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|--------------------|------------|--------------|---------|-------------------|
| Total | 4,392 | 21,661,504 | 2,103 | 9,154,748 |
| Slovenia | 0 | , 0 | 0 | 20,800 |
| Dominican Republic | 0 | 0 | 0 | 795 |
| Hong Kong of China | 0 | 0 | 0.475 | 5,616 |
| Mozambique | 0 | 0 | 0.5 | 2,350 |
| Columbia | 0 | 0 | 111/214 | 6,840 |
| Kenya | 0 | 0 | 1 | 8,317 |
| Argentina | EN 0 | £N0 | 2 | 14,711 |
| Panama | 0 | 0 | 2 | 13,838 |
| Egypt | 0 | 0 | 2 | 12,993 |
| Pakistan | 0 | 0 | 3 | 9,172 |
| Guatemala | 0 | 0 | | 24,635 |
| Nigeria | 0 | 0 | 4 | 21,277 |
| South Africa | ~~~ 0 | 0 | ,~~/6 | 23,680 |
| Iran | 0 | 0 | 6 | 35,826 |
| Myanmar | 0 | 0 | 7 | 69,928 |
| Uruguay | 0 | 0 | 13 | 34,820 |
| Philippines | 0 | 0 | 26 | 66,488 |
| Vietnam | 0 | 0 | 27 | 185,894 |
| Turkey | · 425 . CO | 0 | 30 | 117,072 |
| Mexico | 0 | 0 | 37 | 97,803 |
| Chile | 0 | 0 | 40 | 124,782 |
| Brazil | 0 | 0 | 41 | 113,922 |
| Belgium | 0 | 0 | 44 | 352,913 |
| Singapore | 0 | 0 | 46 | 273,598 |
| Malaysia | 18.50 | 321 | 55 | 134,873 |
| Switzerland | 0 | 524 | 57 | 554,748 |
| Thailand | , 0 | 0 | 117 | 321,882 |
| UAE | 0 | 0 | 141 | 516,584 |
| Indonesia | 0 | 0 | 194 | 407,393 |
| South Korea | 0 | 0 | 243 | 822,430 |
| Russian Federation | 0 | -11124Y0 | 268 | 1,233,697 |
| Australia | 0.001 | 2,047 | 0 | 0 |
| Britain | 0.002 | 3,217 340 | <u></u> | .9./ |

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Upstream Market

Palm Oil Market

This week, palm oil market fluctuated widely with rising supply. Early this week, although palm oil inventory in Malaysia decreased beyond the expectations, the export volume dropped sharply in early Apr. Then palm oil futures price fell back from the high, dragging down domestic palm oil price. On Apr. 11, the export tax was raised in Indonesia, combined with picking up domestic bulk commodity market, palm oil spot price moved upward. Currently, palm oil output in Malaysia

began to grow, but export market remained soft. Besides, domestic palm oil inventory stood high overall, coupled with less import, trading performance of palm oil market was lackluster.

Palm Oil Price Change (Unit: RMB/T)

| CO.Ali | Apr. 13 | Week avg. | Apr. 6 | Last Week avg. | MoM | МоЗМ | YTD |
|----------|---------|-----------|--------|----------------|--------|-------|--------|
| Palm Oil | 7,850 | 7,913 | 7,700 | 7,497.14 | -1.26% | 2.61% | -3.68% |

Domestic Palm Oil Price Trend (Unit: RMB/T)



Forecast: Palm oil output in Apr. will be affected by the Lesser Bairam. However, with no new biodiesel policies introduced, palm oil supply will improve, which will restrain the price trend. Recently, due to limited domestic buying interests at ports, palm oil spot inventory drops slightly, bolstering domestic price to ramp up. As the temperature gradually rises, palm oil consumption gradually increases since traders become active in replenishment. On the whole, domestic palm oil spot inventory tends to decline. Combined with the expectations of demand recovery, palm oil market is possible to move upward next week.

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