

Molybdenum Disulfide (Mos2) Market - Growth, Trends, Covid-19 Impact, and Forecasts (2023 - 2028)

Market Report | 2023-01-23 | 150 pages | Mordor Intelligence

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Report description:

The molybdenum disulfide (MOS2) market was expected to register a CAGR of over 2.5% during the period (2022-2027).

The market was negatively impacted by COVID-19. The COVID-19 pandemic majorly affected countries across the region and focused on flattening the curve of the infection, resulting in severe lockdowns, confining millions of people in their homes, and shutting down businesses, production, and manufacturing facilities resulting in no economic activity. However, the market to retain its growth trajectory in 2022.

Key Highlights

Over the short term, the major factors driving the market studied are an increase in demand from various end-user industries.

On the flip side, the availability of better alternatives is expected to hinder the growth of the market.

By application, the lubricants and coatings segment dominated the market due to the growing consumption of lubes and greases in the automotive and industrial sectors.

Asia-Pacific dominated the global market, with countries such as China and India accounting for the largest consumption.

Molybdenum Disulfide (MoS2) Market Trends

Automotive Segment to Dominate the Market

Molybdenum disulfide is used as a lubricant additive or as a dry lubricant coating for various applications. Molybdenum greases

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and lubricants are used for various applications such as bearings, chassis lubrication points, chain drivers, and many other applications.

Molybdenum disulfide (MoS₂) is primarily used in the automotive industry in the form of greases for lubrication of various parts, including ball joints, pedal shafts, wheel bearing and steering linkages, and lubrication control arms.

According to OCIA, global automotive vehicle production increased to 80.14 million units in 2021 from 77.71 million units in 2020 at a growth rate of 3%. Thus, growth in automotive vehicle production is likely to drive the market for molybdenum disulfide (MoS₂).

Similarly, global automotive sales reached 44.40 million vehicles in H1 of 2021 (Jan-June), which increased by 22% compared to 34.32 million vehicles in H1 of 2020 (Jan-June). The increased automotive sales are likely to drive the market during the forecast period.

Hence, owing to the aforementioned factors, the automotive segment is likely to dominate the market during the forecasting period.

China to Dominate the Asia-Pacific Market

In the Asia-Pacific region, China is expected to dominate the market during the forecast period.

According to OCIA, in China, automotive production increased by about 3% in 2021. The country produced 26,082,220 units in 2021, an increase from 25,225,242 units produced in 2020. Thus, automotive manufacturing activities have picked up the pace, driving the demand for lubricants and greases.

China is the world's largest electronics manufacturing base, and current upstream manufacturers, such as South Korea, Singapore, and Taiwan, face stiff competition. In terms of demand, electronic items have the greatest growth rates in the consumer electronics section of the industry in the country. The demand for electronic items is expected to rise gradually in the future as the middle-class population's disposable incomes rise, therefore pushing the market studied.

Molybdenum disulfide is used to produce coatings and other products that are used in the construction industry. In China, the construction industry grew at a strong pace in 2021. For instance, according to the Civil Aviation Administration of China, the government resumed construction work on more than 80% of total airport projects, representing 65 airport projects across the country, of which 27 airports are the national major airport projects. Such projects are expected to increase the demand for Molybdenum disulfide (MoS₂)

Hence, owing to the aforementioned factors, the market studied in the country is likely to enhance at a healthy rate during the forecast period.

Molybdenum Disulfide (MoS₂) Market Competitor Analysis

Some of the major players in the molybdenum disulfide (MoS₂) market include Freeport-McMoRan, Jinduicheng Molybdenum Group Co. Ltd, Songxian Exploiter Molybdenum Co. Ltd, Luoyang Shenyu Molybdenum Co. Ltd, and GRUPO MEXICO.

Additional Benefits:

The market estimate (ME) sheet in Excel format

3 months of analyst support

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