

Solid/Dry Lubricants - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)

Market Report | 2025-04-28 | 120 pages | Mordor Intelligence

AVAILABLE LICENSES:

- Single User License \$4750.00
- Team License (1-7 Users) \$5250.00
- Site License \$6500.00
- Corporate License \$8750.00

Report description:

The Solid/Dry Lubricants Market size is estimated at 19.39 kilotons in 2025, and is expected to reach 21.89 kilotons by 2030, at a CAGR of 2.45% during the forecast period (2025-2030).

The COVID-19 crisis heavily impacted the global automotive supply industry, as both the production and sales of motor vehicles came to a sudden halt in most regions. These work stoppages led to a loss in the production of millions of vehicles across the world. The automobile industry comes with a direct effect on the lubricants market. However, the market growth picked up steadily. It is owing to increased automotive and other construction activities after the lifting of restrictions in the second half of 2021.

Key Highlights

- Over the medium term, the growing manufacturing industry in Asia-Pacific and growing demand for spray application in dry lubricants are significant factors driving the growth of the market studied.
- On the other hand, factors limiting the growth of the market include stringent government regulations on raw materials and the modest impact of electric vehicles (EVs) in the future. These are expected to come with a negative influence on the demand for dry lubricants.
- Nevertheless, the continuous advancements in technology and increasing environmental consciousness are likely to create lucrative growth opportunities for the global market soon.
- Asia-Pacific region is expected to dominate the market and is also likely to witness the highest CAGR during the forecast period.

Solid Dry Lubricants Market Trends

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Largest consumption from Automotive Industry

- The automotive segment is one of the rapidly growing segments for these coatings. The growing trend of advanced surface engineering in the automotive industry for better user experience is boosting the demand for solid (dry) lubricants in the automotive industry.
- Dry lubricants are used in brake calipers, fluid delivery tubes, fasteners, tie rod-ends, anti-vibration components, and shock rods. It is also used in piston rings, engine valves, car door handles, emblems, front grills, plated aluminum wheels, and fuel injection housing, among others, to achieve the desired wear, friction, and corrosion resistance in vehicles.
- According to the International Organization of Motor Vehicle Manufacturers (OICA), global motor vehicle production reached 85,016,728 units in 2022. The production increased by 5.9% when compared to the previous year's data. Also, motor vehicle production growth year-on-year between 2021 and 2022 markets was at 6%.
- Similarly, as per OICA, commercial vehicle production reached 57.49 million units in 2022 and registered growth when compared to 56.44 in 2021.
- Meanwhile, as per the Bureau of Economic Analysis of the United States Department of Commerce, light vehicle retail sales reached 13,754.3 thousand units. It registered the lowest production when compared to 14,946.9 thousand units in 2021.
- Further, according to the German Association of the Automotive Industry (Verband der Automobilindustrie), automobile production in Germany reached 3.4 million in 2022 and registered a growth of 9.6% when compared to 3.1 million in 2021.
- The trends mentioned above in automotive are likely to increase the demand for solid/dry lubricants in the market during the forecast period.

Asia-Pacific to Dominate the Market

- The Asia-Pacific region dominated the global market share. In Asia-Pacific, China is the largest economy,
- The automotive industry is the major driving factor for solid (dry) lubricants in China. However, the growth is different for all markets. The passenger car market is down due to policy overdrafts and high base, which became the main factors for the low growth of the automobile market.
- In developing countries, the demand for passenger cars is significantly increasing due to the growth in middle-class incomes, technology, and sales promotions provided to people by automobile manufacturers.
- According to the Organisation Internationale des Constructeurs d'Automobiles (OICA), Asia-Pacific has led global automobile production in recent years. China is the largest producer of automobiles in the country. In 2022, China produced over 23.84 million units of passenger cars and remained at the top, followed by Japan with 6.57 million units.
- According to the China Association of Automobile Manufacturers (CAAM), in 2022, approximately 23.56 million passenger cars and 3.3 million commercial vehicles were sold in China.
- Additionally, as per the Ministry of Economy, Trade and Industry (METI), the Japanese automotive industry saw a rise in the production value of motor vehicles in 2022, reaching JPY 19.29 trillion (USD 13.39 trillion), compared to approximately JPY 17.65 trillion (USD 12.26 trillion) in the preceding year.
- The factors above are expected to increase the demand for the market studied during the forecast period.

Solid Dry Lubricants Industry Overview

The solid/dry lubricants market is partially fragmented in nature. Some of the major players in the market (not in any particular order) include Illinois Tool Works Inc., Henkel AG & Co. KGaA, DuPont, CASTROL LIMITED, and Klüber Lubrication, among others.

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

Table of Contents:

1 INTRODUCTION

1.1 Study Assumptions

1.2 Scope of the Study

2 RESEARCH METHODOLOGY

3 EXECUTIVE SUMMARY

4 MARKET DYNAMICS

4.1 Drivers

4.1.1 Growing Manufacturing Industry in Asia-Pacific

4.1.2 Growing Demand for Spray Application in Dry Lubricants

4.1.3 Other Drivers

4.2 Restraints

4.2.1 Stringent Government Regulations on Raw Materials

4.2.2 Modest Impact of Electric Vehicles (EVs) in the Future

4.3 Industry Value Chain Analysis

4.4 Porter's Five Forces Analysis

4.4.1 Bargaining Power of Suppliers

4.4.2 Bargaining Power of Consumers

4.4.3 Threat of New Entrants

4.4.4 Threat of Substitute Products and Services

4.4.5 Degree of Competition

5 MARKET SEGMENTATION (Market Size in Volume)

5.1 Type

5.1.1 Molybdenum Disulfide (MoS₂)

5.1.2 PTFE

5.1.3 Graphite

5.1.4 Soft Metals

5.1.5 Other Types

5.2 End-use

5.2.1 Automotive

5.2.2 Textile

5.2.3 General Industrial Manufacturing

5.2.4 Others

5.3 Geography

5.3.1 Asia Pacific

5.3.1.1 China

5.3.1.2 India

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 5.3.1.3 Japan
- 5.3.1.4 South Korea
- 5.3.1.5 Rest of Asia-Pacific
- 5.3.2 North America
 - 5.3.2.1 United States
 - 5.3.2.2 Canada
 - 5.3.2.3 Rest of North America
- 5.3.3 Europe
 - 5.3.3.1 Germany
 - 5.3.3.2 United Kingdom
 - 5.3.3.3 Italy
 - 5.3.3.4 France
 - 5.3.3.5 Russia
 - 5.3.3.6 Rest of Europe
- 5.3.4 Rest of the World
 - 5.3.4.1 South America
 - 5.3.4.2 Middle East
 - 5.3.4.3 Africa

6 COMPETITIVE LANDSCAPE

- 6.1 Mergers and Acquisitions, Joint Ventures, Collaborations, and Agreements
- 6.2 Market Share (%)**/Ranking Analysis
- 6.3 Strategies Adopted by Leading Players
- 6.4 Company Profiles
 - 6.4.1 Anti-Seize Technology
 - 6.4.2 CASTROL LIMITED
 - 6.4.3 Curtiss-Wright Surface Technologies (CWST)
 - 6.4.4 DuPont
 - 6.4.5 ENDURA PLATING TECHNOLOGY
 - 6.4.6 Henkel AG & Co. KGaA
 - 6.4.7 Illinois Tool Works Inc.
 - 6.4.8 Kluber Lubrication
 - 6.4.9 Lubrication Engineers
 - 6.4.10 Metal Coatings
 - 6.4.11 Sandstrom Products Company
 - 6.4.12 SCCS Industries LLC.(DYNACRON)
 - 6.4.13 SKF
 - 6.4.14 Slickote Coatings
 - 6.4.15 Sun Coating Company
 - 6.4.16 The B'laster Corporation
 - 6.4.17 WEICON GmbH & Co. KG

7 MARKET OPPORTUNITIES AND FUTURE TRENDS

- 7.1 Continuous Advancements in Technology Increasing Environmental Consciousness
- 7.2 Other Opportunities

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Solid/Dry Lubricants - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)

Market Report | 2025-04-28 | 120 pages | Mordor Intelligence

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single User License	\$4750.00
	Team License (1-7 Users)	\$5250.00
	Site License	\$6500.00
	Corporate License	\$8750.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-03-04"/>
		Signature	

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

