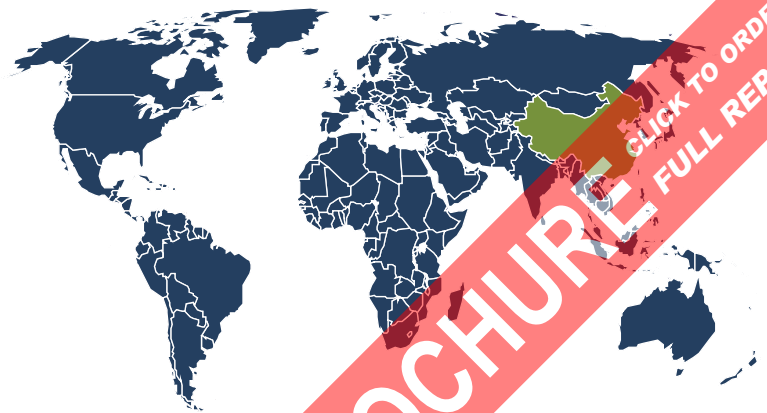




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Rubber Processing Chemicals: China

February 2020



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Table of Contents

1. Highlights	3
2. Market Environment	4
Historical Trends	4
Key Economic Indicators	5
Environmental & Regulatory Factors	6
Demand by Type of Rubber	8
Asia/Pacific Regional Outlook	10
3. Segmentation & Forecasts	12
Products	12
Antidegradants	13
Accelerators	14
Other Products	15
Applications	17
Tire	17
Non-Tire	18
4. Industry Structure	20
Industry Characteristics	20
Market Leaders	21
China Sunsine Chemical (中国尚舜化工)	22
LANXESS	23
Sinochem (中化集团)	23
5. About This Report	25
Scope	25
Sources	25
Industry Codes	26
Freedonia Methodology	26
Resources	28

List of Tables & Figures

Figure 1 China: Key Trends in the Rubber Processing Chemical Market, 2018 – 2023	3
Figure 2 China: Rubber Processing Chemical Demand Trends, 2008 – 2018	4
Table 1 China: Key Indicators for Rubber Processing Chemical Demand, 2008 – 2023 (2017US\$ bil)	5
Figure 3 China: Rubber Processing Chemical Demand by Type of Rubber, 2018 (%)	8
Figure 4 Asia/Pacific: Rubber Processing Chemical Demand by Country, 2018 (%)	10
Figure 5 China: Rubber Processing Chemical Demand by Product, 2008 – 2023 (000 m tons)	12
Table 2 China: Rubber Processing Chemical Demand by Product, 2008 – 2023 (000 m tons)	12
Figure 6 China: Rubber Processing Chemical Demand by Product, 2008 – 2023 (%)	15
Figure 7 China: Rubber Processing Chemical Demand by Application, 2008 – 2023 (000 m tons)	17
Table 3 China: Rubber Processing Chemical Demand by Application, 2008 – 2023 (000 m tons)	17
Figure 8 China: Rubber Processing Chemical Demand by Application, 2008 – 2023 (%)	19
Table 4 China: Selected Suppliers to the Rubber Processing Chemical Market	22
Table 5 HS Codes Related to Rubber Processing Chemicals	26

About This Report

Scope

This report forecasts to 2023 rubber processing chemicals (橡胶加工化学品) demand in metric tons in China. Total demand is segmented by product in terms of:

- antidegradants
- accelerators
- other products such as adhesion promoters, blowing agents, and plasticizers

Total demand is also segmented by application as follows:

- tire
- non-tire

To illustrate historical trends, total demand is provided in annual series from 2008 to 2018; the various segments are reported at five-year intervals for 2008, 2013, and 2018.

Within this report, the word “demand” is used synonymously with “consumption”, and includes captive consumption. Demand for these chemicals includes only those quantities used in rubber processing; quantities used in the processing of plastics and other materials are excluded.

There is no universally accepted definition of the term “rubber processing chemical”. For the purposes of this report, the term includes only chemicals used in rubber compounding. Reinforcing materials (such as silica and carbon black), inert fillers, extenders, processing oils, and diluents (such as clay, talc, and calcium) are excluded from the scope of this report. Also excluded from consideration are waxes, sulfur, zinc oxide, and stearic acid.

Rubber consumption includes both natural and synthetic rubber. Rubber consumption figures refer to the “dry weight” of the rubber (i.e., they do not include the weight of extender oil or any additives). These figures include only new rubber; reclaimed rubber is excluded.

Key macroeconomic indicators are also provided with quantified trends. Other various topics, including profiles of pertinent leading suppliers, are covered in this report. A full outline of report items by page is available in the Table of Contents.

Sources

Rubber Processing Chemicals: China (FC35079) is based on [Global Rubber Processing Chemicals](#), a comprehensive industry study published by The Freedonia Group. Reported

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findings represent the synthesis and analysis of data from various primary, secondary, macroeconomic, and demographic sources, such as:

- firms participating in the industry, and their suppliers and customers
- government/public agencies
- intergovernmental and non-governmental organizations
- trade associations and their publications
- the business and trade press
- indicator forecasts by The Freedonia Group
- the findings of other reports and studies by The Freedonia Group

Specific sources and additional resources are listed in the Resources section of this publication for reference and to facilitate further research.

Industry Codes

Table 5 | HS Codes Related to Rubber Processing Chemicals

HS Code	Definition
3812	Prepared rubber accelerators; compound plasticisers for rubber or plastics, n.e.c. or included; anti-oxidising preparations and other compound stabilisers for rubber or plastics

Source: United Nations Statistics Division

Freedonia Methodology

The Freedonia Group, a subsidiary of MarketResearch.com, has been in business for more than 30 years and in that time has developed a comprehensive approach to data analysis that takes into account the variety of industries covered and the evolving needs of our customers.

Every industry presents different challenges in market sizing and forecasting, and this requires flexibility in methodology and approach. Freedonia methodology integrates a variety of quantitative and qualitative techniques to present the best overall picture of a market's current position as well as its future outlook: When published data are available, we make sure they are correct and representative of reality. We understand that published data often have flaws either in scope or quality, and adjustments are made accordingly. Where no data are available, we use various methodologies to develop market sizing (both top-down and bottom-up) and then triangulate those results to come up with the most accurate data series possible. Regardless of approach, we also talk to industry participants to verify both historical perspective and future growth opportunities.

Methods used in the preparation of Freedonia market research include, but are not limited to, the following activities: comprehensive data mining and evaluation, primary research, consensus forecasting and analysis, ratio analysis using key indicators, regression analysis,

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end use growth indices and intensity factors, purchase power parity adjustments for global data, consumer and end user surveys, market share and corporate sales analysis, product lifespan analysis, product or market life cycle analysis, graphical data modeling, long-term historical trend analysis, bottom-up and top-down demand modeling, and comparative market size ranking.

Freedonia quantifies trends in various measures of growth and volatility. Growth (or decline) expressed as an average annual growth rate (AAGR) is the least squares growth rate, which takes into account all available datapoints over a period. The volatility of datapoints around a least squares growth trend over time is expressed via the coefficient of determination, or r^2 . The most stable data series relative to the trend carries an r^2 value of 1.0; the most volatile – 0.0. Growth calculated as a compound annual growth rate (CAGR) employs, by definition, only the first and last datapoints over a period. The CAGR is used to describe forecast growth, defined as the expected trend beginning in the base year and ending in the forecast year. Readers are encouraged to consider historical volatility when assessing particular annual values along the forecast trend, including in the forecast year.

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Rubber Statistical Bulletin

Rubber World Magazine

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Association for Rubber Products Manufacturers

China Rubber Industry Association

International Monetary Fund

International Rubber Study Group

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