

North America Talc Market Size and Forecasts (2020 - 2030), Regional Share, Trends, and Growth Opportunity Analysis Report Coverage: By Deposit Type (Talc Chlorite and Talc Carbonate) and End Use Industry (Plastics, Pulp & Paper, Ceramics, Paints & Coatings, Rubber, Pharmaceuticals, Food, and Others)

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Abstracts

The North America talc market is expected to grow from US\$ 211.23 million in 2022 to US\$ 293.24 million by 2030; it is expected to register a CAGR of 4.2% from 2022 to 2030.

Talc is a hydrated magnesium silicate. The transformation of high magnesium rocks by siliceous hydrothermal fluids is a result of the formation of Talc deposits. Most of the talc is derived from the alteration of dolomite or ultramafic intrusive rocks. It is always found in combination with other minerals. Carbonates and chlorite are the most common sources of minerals. Each talc deposit has a unique morphology and mineralogy, but all types of talc exhibit the following unique properties such as softness, water repellency, chemical inertness, platyness, and an affinity for organic substances. These properties provide talc as a multi-functional filler and process enabler in a variety of applications, from plastics to paper, and ceramics to paint. Talc is an anti-sticking agent, anti-caking agent, lubricant, carrier, thickener, strengthening filler, smooth filler, and adsorbent.

Since talc has a high-temperature resistance, it enhances the thermal shock resistance of ceramics and reduces fractures. In addition, talc lowers the firing temperature of ceramics, enabling the creation of products with lower energy consumption and reduced production costs. In the context of the ceramic industry, this is particularly important as it

can lead to increased competitiveness and profitability for ceramic manufacturers. Talc is a key component in ceramic glaze and engobes, enhancing ceramic products' visual appeal and functionality. It provides a smooth, glossy finish and helps improve the workability of glaze formulations. This is particularly advantageous in the production of decorative and functional ceramics, such as tiles, sanitaryware, and tableware, where aesthetics and surface finish are crucial selling points. As the ceramic industry continues to expand in North America, fueled by demand for construction materials, consumer goods, and advanced technical ceramics, it is expected to drive further North America talc market growth.

Talc is used as a filler in plastic. Talc imparts various benefits, including higher stiffness and enhanced dimensional stability to products such as polypropylene, vinyl, polyethylene, nylon, and polyester. These materials are used in automotive parts (under the hood, dashboard, bumper interiors, and exterior trim), household appliances, and white goods. Talc is also used for linear low-density polyethylene (LLDPE) anti-blocking and as a nucleating agent in semicrystalline polymers. In polypropylene food packaging applications, talc is a highly effective reinforcing filler. In the pulp & paper industry, talc is used as a paper filler, since it has a minimal negative effect on sheet strength but improves ink receptivity by a large margin. It also enhances opacity and brightness and reduces gloss. Talc can be used in paper recycling and the new production of paper, pulp, and cardboard as filler. Talc use improves the properties of the finished products and reduces production costs. Talc is organophilic and absorbs impurities such as pitch and resin particles from the process. Hence, talc is used as a cleaner for the wet-end system of a paper machine. It also prevents agglomeration. Therefore, it improves the functioning of a paper machine, further driving the North America talc market growth. Furthermore, talc is primarily used in industrial paint and coatings, printing inks, wood lacquers, fillers, and other coatings. The platy shape of talc particles improves the suspension of solids in a can and helps the liquid paint adhere to a wall without sagging. In anticorrosion primers, talc improves corrosion resistance and paint adhesion. They are also used in inks, jointing compounds, putties, and adhesives. Talc has anticorrosion quality and is used as a corrosive agent in the paint film. It is also used as a hydrophobic mineral pigment. Talc assists in limiting water penetration and reducing corrosion, caulking, peeling, and blistering. Talc promotes adhesion due to its lamellarity and chemical inertness, increasing the paint's durability. Moreover, the talc's texture assists in minimizing the binder system's shrinkage during the paint film's curing and thus helps promote the film's adhesion to the surface. All these factors are driving North America talc market growth.

A few key players operating in the North America talc market are SCR-Sibelco NV,

Mineral Technologies Inc, Liaoning Aihai Talc Co Ltd, Golcha Mineral Pvt Ltd, Elementis Plc, and IMI Fabi SpA. Players operating in the North America talc market are highly focused on developing high-quality and innovative product offerings to fulfill customers' requirements.

The overall North America talc market size has been derived using both primary and secondary sources. Exhaustive secondary research has been conducted using internal and external sources to obtain qualitative and quantitative information related to the North America talc market. Also, multiple primary interviews have been conducted with industry participants to validate the data and gain more analytical insights into the topic. The participants of this process include industry experts, such as VPs, business development managers, market intelligence managers, and national sales managers—along with external consultants, such as valuation experts, research analysts, and key opinion leaders—specializing in the North America talc market.

Contents

1. INTRODUCTION

- 1.1 The Insight Partners Research Report Guidance
- 1.2 Market Segmentation

2. EXECUTIVE SUMMARY

- 2.1 Key Insights
- 2.2 Market Attractiveness

3. RESEARCH METHODOLOGY

- 3.1 Coverage
- 3.2 Secondary Research
- 3.3 Primary Research

4. NORTH AMERICA TALC MARKET LANDSCAPE

- 4.1 Overview
- 4.2 Porter's Five Forces Analysis
 - 4.2.1 Threat of New Entrants:
 - 4.2.2 Bargaining Power of Suppliers:
 - 4.2.3 Bargaining Power of Buyers:
 - 4.2.4 Competitive Rivalry:
 - 4.2.5 Threat of Substitutes:
- 4.3 Ecosystem Analysis
 - 4.3.1 Overview:
 - 4.3.2 Mining:
 - 4.3.3 Processing and Grinding
 - 4.3.4 Product Distribution or Supply
 - 4.3.5 End-Use Industries

5. NORTH AMERICA TALC MARKET – KEY MARKET DYNAMICS

- 5.1 Market Drivers
 - 5.1.1 Growing Use of Talc in Paper & Pulp Industry
 - 5.1.2 Increasing Demand from Various End-Use Industries

5.2 Market Restraints

5.2.1 Health Concerns Related to Usage of Talc

5.3 Market Opportunities

5.3.1 Growth of Ceramics Industry

5.4 Future Trends

5.4.1 Growing Demand for Plastics in Automotive Industry

5.5 Impact Analysis

6. TALC MARKET - NORTH AMERICA MARKET ANALYSIS

6.1 North America Talc Market Volume (Kilo Tons)

6.2 North America Talc Market Revenue (US\$ Million)

6.3 North America Talc Market Forecast and Analysis

7. NORTH AMERICA TALC MARKET ANALYSIS - DEPOSIT TYPE

7.1 Talc Chlorite

7.1.1 Overview

7.1.2 Talc Chlorite Market Volume and Forecast to 2030 (Kilo Tons)

7.1.3 Talc Chlorite Market Revenue and Forecast to 2030 (US\$ Million)

7.2 Talc Carbonate

7.2.1 Overview

7.2.2 Talc Carbonate Market Volume and Forecast to 2030 (Kilo Tons)

7.2.3 Talc Carbonate Market Revenue and Forecast to 2030 (US\$ Million)

8. NORTH AMERICA TALC MARKET ANALYSIS – APPLICATION

8.1 Plastics

8.1.1 Overview

8.1.2 Plastics Market Revenue, and Forecast to 2030 (US\$ Million)

8.2 Pulp & Paper

8.2.1 Overview

8.2.2 Pulp & Paper Market Revenue, and Forecast to 2030 (US\$ Million)

8.3 Ceramics

8.3.1 Overview

8.3.2 Ceramics Market Revenue and Forecast to 2030 (US\$ Million)

8.4 Paints & Coatings

8.4.1 Overview

8.4.2 Paints & Coatings Market Revenue and Forecast to 2030 (US\$ Million)

8.5 Rubber

8.5.1 Overview

8.5.2 Rubber Market Revenue and Forecast to 2030 (US\$ Million)

8.6 Pharmaceuticals

8.6.1 Overview

8.6.2 Pharmaceuticals Market Revenue and Forecast to 2030 (US\$ Million)

8.7 Food

8.7.1 Overview

8.7.2 Food Market Revenue and Forecast to 2030 (US\$ Million)

8.8 Others

8.8.1 Overview

8.8.2 Others Market Revenue and Forecast to 2030 (US\$ Million)

9. NORTH AMERICA TALC MARKET - GEOGRAPHICAL ANALYSIS

9.1 North America Talc Market

9.1.1 Overview

9.1.2 North America Talc Market Breakdown by Country

9.1.2.1 North America Talc Market Breakdown by Country

9.1.2.2 The US Talc Market Volume and Forecasts To 2030 (Kilo Tons)

9.1.2.3 The US Talc Market Revenue and Forecasts To 2030 (US\$ Million)

9.1.2.3.1 The US Talc Market Breakdown by Deposit Type

9.1.2.3.2 The US Talc Market Breakdown by Application

9.1.2.4 Canada Talc Market Volume and Forecasts To 2030 (Kilo Tons)

9.1.2.5 Canada Talc Market Revenue and Forecasts To 2030 (US\$ Million)

9.1.2.5.1 Canada Talc Market Breakdown by Deposit Type

9.1.2.5.2 Canada Talc Market Breakdown by Application

9.1.2.6 Mexico Talc Market Revenue and Forecasts To 2030 (US\$ Million)

9.1.2.7 Mexico Talc Market Volume and Forecasts To 2030 (Kilo Tons)

9.1.2.7.1 Mexico Talc Market Breakdown by Deposit Type

9.1.2.7.2 Mexico Talc Market Breakdown by Application

10. IMPACT OF COVID-19 PANDEMIC ON NORTH AMERICA TALC MARKET

10.1 Pre & Post Covid-19 Impact

11. INDUSTRY LANDSCAPE

11.1 Merger and Acquisition

12. COMPETITIVE LANDSCAPE

12.1 Heat Map Analysis by Key Players

12.2 Company Positioning & Concentration

13. COMPANY PROFILES

13.1 Elementis Plc

13.1.1 Key Facts

13.1.2 Business Description

13.1.3 Products and Services

13.1.4 Financial Overview

13.1.5 SWOT Analysis

13.1.6 Key Developments

13.2 Golcha Minerals Pvt Ltd

13.2.1 Key Facts

13.2.2 Business Description

13.2.3 Products and Services

13.2.4 Financial Overview

13.2.5 SWOT Analysis

13.2.6 Key Developments

13.3 IMI Fabi SpA

13.3.1 Key Facts

13.3.2 Business Description

13.3.3 Products and Services

13.3.4 Financial Overview

13.3.5 SWOT Analysis

13.3.6 Key Developments

13.4 Liaoning Aihai Talc Co Ltd

13.4.1 Key Facts

13.4.2 Business Description

13.4.3 Products and Services

13.4.4 Financial Overview

13.4.5 SWOT Analysis

13.4.6 Key Developments

13.5 Minerals Technologies Inc

13.5.1 Key Facts

13.5.2 Business Description

- 13.5.3 Products and Services
- 13.5.4 Financial Overview
- 13.5.5 SWOT Analysis
- 13.5.6 Key Developments
- 13.6 SCR-Sibelco NV
 - 13.6.1 Key Facts
 - 13.6.2 Business Description
 - 13.6.3 Products and Services
 - 13.6.4 Financial Overview
 - 13.6.5 SWOT Analysis
 - 13.6.6 Key Developments

14. APPENDIX

I would like to order

Product name: North America Talc Market Size and Forecasts (2020 - 2030), Regional Share, Trends, and Growth Opportunity Analysis Report Coverage: By Deposit Type (Talc Chlorite and Talc Carbonate) and End Use Industry (Plastics, Pulp & Paper, Ceramics, Paints & Coatings, Rubber, Pharmaceuticals, Food, and Others)

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