

# Global Cerium Trifluoride Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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## Abstracts

According to our (Global Info Research) latest study, the global Cerium Trifluoride market size was valued at USD million in 2022 and is forecast to a readjusted size of USD million by 2029 with a CAGR of % during review period. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

In recent years, cerium trifluoride ( $CeF_3$ ) has attracted more and more attention due to its application in the fields of polishing powder, solid lubricant, optoelectronic devices, and electrolytic preparation of metal cerium. At present, the common synthesis methods of  $CeF_3$  include HF ( $NH_4HF_2$ ) precipitation-vacuum dehydration method, HF ( $NH_4HF_2$ ) fluorination method,  $NH_4HCO_3$  conversion preparation method, microwave solid-phase redox synthesis method, polyol method, microemulsion preparation method, etc.

Cerium trifluoride is one of the fluorides of lanthanide cerium, and its chemical formula is  $CeF_3$ . Dissolve soluble cerium (III) salt in water, add 3.2 times (molar ratio) of  $NH_4HCO_3$  under heating to obtain basic cerium carbonate, and then react with 40% hydrofluoric acid to obtain  $CeF_3$ . Direct reaction of cerium nitrate and sodium fluoride,  $CeF_3$  can be obtained. Under the condition of hydrothermal reaction, F<sup>-</sup> source can also be provided by fluoroborate to prepare  $CeF_3$ .

This report is a detailed and comprehensive analysis for global Cerium Trifluoride market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some

of the selected leaders for the year 2023, are provided.

#### Key Features:

Global Cerium Trifluoride market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2018-2029

Global Cerium Trifluoride market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2018-2029

Global Cerium Trifluoride market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2018-2029

Global Cerium Trifluoride market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 2018-2023

#### The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Cerium Trifluoride

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Cerium Trifluoride market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include COTEC GmbH, Taiwan Union Abrasives Corp, Heeger Materials, Stanford Advanced Materials and ABSCO Limited, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

#### Market Segmentation

Cerium Trifluoride market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

#### Market segment by Type

CEF-2N: Relative Purity ?99%

CEF-3N: Relative Purity ?99.9%

CEF-7N: Relative Purity ?99.99%

#### Market segment by Application

Metallurgy and Chemical Industry

Special Glass

Others

#### Major players covered

COTEC GmbH

Taiwan Union Abrasives Corp

Heeger Materials

Stanford Advanced Materials

ABSCO Limited

ESPI Metals

Lorad Chemical Corporation

Hunan Fushel Technology Limited

Leshan Wonaixi Electronic Material Co., Ltd

Vital Thin Film Materials (Guangdong) Co.,Ltd

Leshan Kairuida Photoelectric Technology Co., Ltd

Shandong Desheng New Material Co., Ltd

Chengdu Beyond Chemical Co.,Ltd

XI'AN FUNCTION MATERIAL GROUP CO.,LTD

Baotou Huachen Rare Earth Material Co.,Ltd

Jining Huicheng New Material Co., Ltd

Sichuan Pengshan County Yinxin Thinning Co., Ltd

Zibo Rongruida Micro Materials Plant

Jinan Tianyi New Materials Co.,Ltd

Formus New Material Co., Ltd

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Cerium Trifluoride product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Cerium Trifluoride, with price, sales, revenue and global market share of Cerium Trifluoride from 2018 to 2023.

Chapter 3, the Cerium Trifluoride competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Cerium Trifluoride breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2022. and Cerium Trifluoride market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

Chapter 13, the key raw materials and key suppliers, and industry chain of Cerium Trifluoride.

Chapter 14 and 15, to describe Cerium Trifluoride sales channel, distributors, customers, research findings and conclusion.

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