

Electronic Special Germane (GeH4) Market, Global Outlook and Forecast 2022-2028

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Abstracts

Germane hydride, also known as germanane, is an inorganic compound with molecular formula GeH_4 and molecular weight 76.63. It is a colourless toxic gas with unpleasant irritating odour at normal temperature and pressure. It is stable at room temperature, starts to decompose at about 280 °C, and almost all decomposes into elements Ge and H_2 at about 350 °C. It can burn in the air and emit blue red flame when burning, but the burning degree is not as intense as silane. Mixtures with oxygen or air are explosive. It reacts with alkali metals in liquid ammonia at room temperature. Germane has strong autocatalytic property. Once it decomposes to form a metal coating, it will decompose rapidly. Therefore, the surface of piping and other materials must be smooth. Insoluble in water, but soluble in hypochlorite, slightly soluble in hot concentrated sulfuric acid. It can be decomposed by nitric acid. It can be used to produce high purity germanium.

This report contains market size and forecasts of Electronic Special Germane (GeH4) in global, including the following market information:

Global Electronic Special Germane (GeH4) Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global Electronic Special Germane (GeH4) Market Sales, 2017-2022, 2023-2028, (Kg)

Global top five Electronic Special Germane (GeH4) companies in 2021 (%)

The global Electronic Special Germane (GeH4) market was valued at 148.6 million in 2021 and is projected to reach US\$ 330.8 million by 2028, at a CAGR of 12.1% during the forecast period 2022-2028.

The U.S. Market is Estimated at \$ Million in 2021, While China is Forecast to Reach \$ Million by 2028.

Below 5N Segment to Reach \$ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of Electronic Special Germane (GeH4) include Linde, Air Liquide, Spectrum Materials, Huate Gas, Taiyo Nippon Sanso, Tonghui Gas, WeChem and Qiyuan Leading Electronic Materials, etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Electronic Special Germane (GeH4) manufacturers, suppliers, distributors and industry experts on this industry, involving the sales, revenue, demand, price change, product type, recent development and plan, industry trends, drivers, challenges, obstacles, and potential risks.

Total Market by Segment:

Global Electronic Special Germane (GeH4) Market, by Purity, 2017-2022, 2023-2028 (\$ Millions) & (Kg)

Global Electronic Special Germane (GeH4) Market Segment Percentages, by Purity, 2021 (%)

Below 5N

Greater than or Equal to 5N

Global Electronic Special Germane (GeH4) Market, by Application, 2017-2022, 2023-2028 (\$ Millions) & (Kg)

Global Electronic Special Germane (GeH4) Market Segment Percentages, by Application, 2021 (%)

Semiconductor

Solar

Other

Global Electronic Special Germane (GeH4) Market, By Region and Country, 2017-2022, 2023-2028 (\$ Millions) & (Kg)

Global Electronic Special Germane (GeH4) Market Segment Percentages, By Region and Country, 2021 (%)

North America

US

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Nordic Countries

Benelux

Rest of Europe

Asia

China

Japan

South Korea

Southeast Asia

India

Rest of Asia

South America

Brazil

Argentina

Rest of South America

Middle East & Africa

Turkey

Israel

Saudi Arabia

UAE

Rest of Middle East & Africa

Competitor Analysis

The report also provides analysis of leading market participants including:

Key companies Electronic Special Germane (GeH4) revenues in global market, 2017-2022 (Estimated), (\$ millions)

Key companies Electronic Special Germane (GeH4) revenues share in global market,

2021 (%)

Key companies Electronic Special Germane (GeH4) sales in global market, 2017-2022 (Estimated), (Kg)

Key companies Electronic Special Germane (GeH4) sales share in global market, 2021 (%)

Further, the report presents profiles of competitors in the market, key players include:

Linde

Air Liquide

Spectrum Materials

Huate Gas

Taiyo Nippon Sanso

Tonghui Gas

WeChem

Qiyuan Leading Electronic Materials

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