

Global Hydrogen Fluoride Gas Detection Market Size study, By Type (Fixed Devices, Portable Devices), By End-User Industry (Chemical, Mining and Metallurgical, Pharmaceutical, Glass Etching, Others), and Regional Forecasts 2022-2028

<https://marketpublishers.com/r/G15A6A1EE5C5EN.html>

Date: April 2022

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: G15A6A1EE5C5EN

Abstracts

Global Hydrogen Fluoride Gas Detection Market is valued approximately USD 3.2 billion in 2021 and is anticipated to grow with a healthy growth rate of more than 14.9% over the forecast period 2022-2028.

Hydrogen Fluoride (HF) is a corrosive, colorless gas that changes into hydrofluoric acid when dissolved in water. The HF gas detection helps to perceive the presence of the gas in the environment and offers better efficiency and safety option. Hydrogen fluoride gas detection is highly adopted by end-use verticals such as chemical, mining, metallurgical, pharmaceutical, glass etching, others to ensure the personal safety of operators working in different areas. The increasing number of accidents due to hydrogen fluoride gas leakage in chemical plants and oil & gas refineries, imposition of stringent regulations for human and environmental safety, coupled with the growth of end-user industries are driving the market growth across the globe. For instance, according to the United States Geological Survey (USGS), in 2018, there were nearly USD 82.2 billion of raw mineral materials were produced in the United States with a rise of 3% over the reviewed total of USD 79.7 billion in 2017. Accordingly, growth of the various end-use verticals such as chemical, mining & metallurgical, pharmaceutical, oil & gas, etc. is propelling the demand for hydrogen gas detection, which, in turn, augments the market growth in the near future. However, the high price of hydrogen fluoride gas detection devices and difficulty in the calibration of hydrogen fluoride gas sensors impede the growth of the market over the forecast period of 2022-2028. Also, the growth of the automotive industry and increasing adoption of IoT by end-user

industries is anticipated to act as a catalyzing factor for the market demand during the forecast period.

The key regions considered for the global Hydrogen Fluoride Gas Detection market study include Asia Pacific, North America, Europe, Latin America, and the Rest of the World. Asia-pacific is the leading region across the world in terms of market share owing to the region being the major hub of the oil & gas, mining, automotive, consumer electronic devices. Whereas, Asia-Pacific is also anticipated to exhibit the highest CAGR over the forecast period 2022-2028. Factors such as the growth of emerging countries such as China, Japan, India, and South Korea, as well as the rising presence of the leading market players, would create lucrative growth prospects for the Hydrogen Fluoride Gas Detection market across the Asia-Pacific region.

Major market players included in this report are:

Honeywell International Inc.

Teledyne Technologies Incorporated

Drägerwerk AG & Co. KGaA

MSA Safety Incorporated

GfG Instrumentation, Inc.

Sensidyne, LP

Crowcon Detection Instruments Ltd.

Analytical Technology, Inc. (ATI)

RKI Instruments, Inc.

R.C. Systems, Inc.

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Type

Fixed Devices

Portable Devices

By End-User Industry

Chemical

Mining and Metallurgical

Pharmaceutical

Glass Etching

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019, 2020

Base year – 2021

Forecast period – 2022 to 2028

Target Audience of the Global Hydrogen Fluoride Gas Detection Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)
Third-party knowledge providers
Investment bankers
Investors

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