

Industrial Hydrofluoric Acid Market Report and Forecast 2025-2034

Market Report | 2025-07-21 | 167 pages | EMR Inc.

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Report description:

The global industrial hydrofluoric market is estimated to grow in the forecast period of 2025-2034 at a CAGR of 5.10%.

Asia Pacific to Augment the Market Growth of Industrial Hydrofluoric Acid

The Asia Pacific region is expected to hold a significant share of the global industrial hydrofluoric acid market during the forecast period. This is on account of the increasing supply and demand of hydrofluoric acid in various industries coupled with the presence of several fluorocarbon manufacturers and an abundance of raw material. Increasing utilisation in industrial, civil, and national defence production industries are expected to bolster the market growth of industrial hydrofluoric acid across the Asia Pacific region over the coming years.

The Middle East and Africa are expected to grow on account of the surging product demand for uranium fuel production. Also, Saudi Arabia has declared plans to build 16 nuclear power reactors by 2040, which is likely to propel the market growth of industrial hydrofluoric acid across the region.

Industrial Hydrofluoric Acid Market Segmentation

An inorganic chemical compound, hydrogen fluoride is a chemical compound that contains the reactive chemical element of fluorine. Highly corrosive, and dissolvable in water, it takes the form of a colourless liquid or gas. When the compound is homogeneously mixed in water, it creates hydrofluoric acid. The acid can also be synthesised when compounds such as ammonium fluoride that also contain fluorides, are mixed with water.

The market for industrial hydrofluoric acid, by type, is divided into:

- Anhydrous Hydrofluoric Acid

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- Diluted Hydrofluoric Acid (Below 50% Concentration)
- Diluted Hydrofluoric Acid (Above 50% Concentration)

Based on application, the market is segmented into:

- Fluorocarbon Production
- Fluorinated Derivative Production
- Metal Pickling
- Glass Etching and Cleaning
- Oil Refining
- Uranium Fuel Production
- Others

The EMR report looks into the regional markets of industrial hydrofluoric acid like:

- Latin America
- North America
- Europe
- Asia Pacific
- Middle East and Africa

Rapid Rise in Industrialisation to Fuel the Market Growth of Industrial Hydrofluoric Acid

The surging usage of hydrogen fluoride in the production of aluminium, plastics, refrigerants, herbicides, pharmaceuticals, fluorescent light bulbs, electrical components, and high-octane gasoline is driving the market demand. The consumption of hydrogen fluoride for etching glass and metal is bolstering the market growth of industrial hydrofluoric acid across the globe during the forecast period.

In 2018, the chemical safety team at Carnegie Mellon University (CMU)'s Environmental, Health and Safety (EHS) Department established and executed a detailed and thorough safety program for hydrofluoric acid (HF) usage. The aim of this safety initiative was to develop awareness about HF hazards, train operators to safely handle any incident in laboratories, mandate PPE needs, identify response protocols for spills. This initiative and its goal of creating a culture of safety are further expected to bolster the market demand for industrial hydrofluoric acid.

Key Players in the Global Market for Industrial Hydrofluoric Acid

The report presents a detailed analysis of the following key players in the global industrial hydrofluoric Acid market, looking into their capacity, market shares, and latest developments like capacity expansions, plant turnarounds, and mergers and acquisitions:

- Merck KGaA
- Solvay SA
- Columbus Chemical Industries (CCI)

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- LANXESS AG

- Honeywell International Inc.

- Others

The comprehensive report looks into the macro and micro aspects of the market. The EMR report gives an in-depth insight into the market by providing a SWOT analysis as well as an analysis of Porter's Five Forces model.

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