

Hydrazine Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2022-2027

<https://marketpublishers.com/r/H5C4E35D927DEN.html>

Date: October 2022

Pages: 142

Price: US\$ 2,499.00 (Single User License)

ID: H5C4E35D927DEN

Abstracts

The global hydrazine market size reached US\$ 447.1 Million in 2021. Looking forward, IMARC Group expects the market to reach US\$ 668.4 Million by 2027, exhibiting a growth rate (CAGR) of 7.03% during 2022-2027. Keeping in mind the uncertainties of COVID-19, we are continuously tracking and evaluating the direct as well as the indirect influence of the pandemic on different end use industries. These insights are included in the report as a major market contributor.

Hydrazine (N₂H₄) is a highly reactive base and reducing agent produced from ammonia molecules. Its derivatives exhibit antidepressant properties as they inhibit monoamine oxidase (MAO), which is an enzyme catalyzing the deamination and inactivation of stimulatory neurotransmitters, such as norepinephrine and dopamine. As a result, hydrazine finds extensive applications in the pharmaceutical sector for manufacturing drugs. It is also used in agricultural pesticides, chemical blowing agents, photography chemicals, textile dyes, boiler water treatment for corrosion protection, and as fuel for rockets and spacecraft around the world.

Hydrazine Market Trends:

One of the primary factors driving the market is the employment of hydrazine in different industry verticals. For instance, it functions as an agent for many transition metals and non-metals, such as arsenic, selenium, and tellurium, and uranium and plutonium. It is also used as a corrosion inhibitor in boiler feedwater and reactor cooling water.

Moreover, the growing emphasis on upgrading existing wastewater treatment plants due to the limited availability of potable water, rising environmental concerns and increasing awareness about the harmful impacts of drinking contaminated water is contributing to the market growth. Other significant uses of hydrazine include redox reactions, polymerization catalyst, nuclear fuel reprocessing, metal electrolytic plating

on glass and plastics and a scavenger for gases. Apart from this, rapid urbanization, rising global population, changing climatic conditions, and declining arable land area are resulting in the increasing shortage of food and demand for pesticides in the agriculture industry, which is impelling the market growth. Furthermore, due to stringent governmental policies on the utilization of exhaustible fuels, the use of hydrazine is increasing for reducing carbon emissions in the environment.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global hydrazine market report, along with forecasts at the global, regional and country level from 2022-2027. Our report has categorized the market based on type, application and end use industry.

Breakup by Type:

- Hydrazine Hydrate
- Hydrazine Nitrate
- Hydrazine Sulfate
- Others

Breakup by Application:

- Corrosion Inhibitor
- Medicinal Ingredients
- Precursor to Pesticides
- Blowing Agents
- Others

Breakup by End Use Industry:

- Pharmaceuticals
- Agrochemicals
- Others

Breakup by Region:

- North America
- United States
- Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Acuro Organics Limited, Arkema, Arrow Fine Chemicals, Finetech Industry Limited, Japan Finechem Inc (Mitsubishi Gas Chemical Company Inc.), Lanxess AG, Lonza Group AG, Merck KGaA, Nippon Carbide Industries Co. Inc., Otsuka-MGC Chemical Company Inc (Otsuka Chemical Co. Ltd.), Tokyo Chemical Industry Co. Ltd and Weifang Yaxing Chemical Co. Ltd.

Key Questions Answered in This Report:

How has the global hydrazine market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global hydrazine market?

What are the key regional markets?

What is the breakup of the market based on the type?

What is the breakup of the market based on the application?

What is the breakup of the market based on the end use industry?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global hydrazine market and who are the key players?

What is the degree of competition in the industry?

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