Production of Formic Acid

Formic acid

Investment Opportunities in Chemical Industry.

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Introduction

Formic acid was first isolated from certain ants and was named after the Latin Formica, meaning ant. It is made by the action of sulfuric acid upon sodium formate, which is produced from carbon monoxide and sodium hydroxide. Formic acid. Saturated fat.
The principal use of formic acid is as a preservative and antibacterial agent in livestock feed. When sprayed on fresh hay or other silage, it arrests certain decay processes and causes the feed to retain its nutritive value longer and so it is widely used to preserve winter feed for cattle. Formic acid is also prepared in the form of its esters by treatment of carbon monoxide with an alcohol such as methanol (methyl alcohol) in the presence of a catalyst.
Formic acid (also called methanoic acid) is a colorless liquid with a sharp odor. It is also the simplest carboxylic acid. The chemical formula is HCOOH or HCO2H. Formic acid is an environmentally acceptable and highly efficient organic acid. It is used in many areas, from leather processing to feed preservation. Formic acid is soluble in water, various alcohols, acetone and ether. Most applications require formic acid in concentrations of 85%, 90%, 94% or 99%; the 85% product accounts for the major portion of global demand and is considered the industry standard.
The global demand will increase from 95.4 Mb/d to 102.3 Mb/d with an annual growth rate of 1.2 Mb/d in terms of the barrel. Furthermore, the organization estimates the demand growth rate to be 0.6% through to 2040. This upsurge in the demand for oil will substantially resonate with the demand influx in the formic acid market that was valued to be around $550 million. This attributes to the application of formic acid in the oil & gas sector as the derivative of the chemical, potassium formate brine is added to drilling fluids in order to make them heavier. The demand for formic acid in various industries will observe a compound annual growth rate (CAGR) of 4.9% during the forecast period of 2019 to 2025. The pharmaceutical sector has been making strides with a gamut of international companies investing in developing economies such as India.
Subsequently, the demand for formic acid, which is used in pharmaceutical industries, is on the rise. The region led the formic acid market. One of the major factors driving the growth of formic acid is the increasing demand for preservatives and feed additives. Increasing consumption of meat and poultry has also hugely attributed to the growth of the market.

The market is segmented into animal feed, rubber and leather, finishing textile, dyeing, cleaning agents, and others. Formic Acid & rsquo;s proliferation in the animal feed industry has been so extensive that it is now dominating the segment and will continue to do in the coming years. Agriculture and animal feed industries are experiencing a transformation due to the increasing implementation of formic acid. Formic acid is the simplest form of the carboxylic acid, and its eco-friendly features assist in protecting livestock feed, ensuring nutritional value and increasing shelf life of foods to maintain a continuous supply of the same during the winter season.
Formic Acid Market Revenue, 2016-2022 ($Million)
Global formic acid market is anticipated to witness significant growth increasing application scope in various end-use industries including leather, textile, rubber, chemical, pharmaceutical and agriculture. Rising demand for preservative and antibacterial agents in cattle feed is expected to augment the formic acid market growth. Rubber and leather industry are anticipated to be the fastest growing application segment owing to rising demand for tires and consumer goods in Asia Pacific. However agriculture segment is expected to witness largest demand on account of increasing use of animal feed additives. Superior antibacterial properties further fuel formic acid demand in aforementioned applications. Growing health and safety concerns ban on use of antibiotics in animal feedstock and increasing consumption of poultry & meat products are anticipated to propel the formic acid market over the next seven years.
Asia Pacific formic acid market is anticipated to grow at a fast pace over the forecast period owing to increasing demand in rubber, agriculture, leather & textile industries in China and India. Lower capital and labor costs along with rapidly growing market in China are expected to draw high investments from major players. Agricultural segment is poised to lead the formic acid market is expected to create growth opportunities.

Formic acid as a commercial animal feed additive, is added to the animal diet for feed it is used as an animal feed additive for fisheries, cattle, poultry, etc. Growth of cattle and poultry is higher in countries, such as the United States, China, India, etc., and these are the countries where the demand for formic acid has increased at a moderately high rate. Formic acid is also used as an antibacterial agent and preservative in livestock feed. Formic acid is sprayed on fresh hay, in order to delay or halt decay, thereby, allowing the feed a longer survival period.
This process is of particular importance in the preservation of winter cattle feed. In poultry farming, formic acid is applied to feed in order to kill salmonella bacteria. These practices are widespread in Europe, but are not as common in the United States, due to the generally low commercial availability of formic acid. The use of formic acid on hay feed may reduce the total milk fat when given to mulch cows. Formic acid are on the rise due to the increase in demand for animal feed. This trend is expected to contribute to the demand for formic acid.
Key Players

- BASF SE (Germany)
- Feicheng Acid Chemical (China)
- Gujarat Narmada Valley Fertilizers & Chemicals Limited (India)
- Chongqing Chuandong Chemical (Group) Co., Ltd (China)
- LUXI Group Co., Ltd. (China)
- Eastman Chemical Company (U.S)
- Perstorp AB (Sweden)
- Anhui Asahi Kasei Chemical
- Rashtriya Chemicals and Fertilizers
- Tianyuan Group
- Feicheng Acid
- Perstorp
- Wuhan Ruisunny Chemical
- Shandong Rongyue Chemical
- Huaqiang Chemical
- Shanxi Yuanping Chemicals
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Reasons for Buying our Report:

• This report helps you to identify a profitable project for investing or diversifying into by throwing light to crucial areas like industry size, market potential of the product and reasons for investing in the product.

• This report provides vital information on the product like it’s characteristics and segmentation.

• This report helps you market and place the product correctly by identifying the target customer group of the product.
• This report helps you understand the viability of the project by disclosing details like machinery required, project costs and snapshot of other project financials

• The report provides a glimpse of government regulations applicable on the industry

• The report provides forecasts of key parameters which helps to anticipate the industry performance and make sound business decisions

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Our Approach:

- Our research reports broadly cover Indian markets, present analysis, outlook and forecast for a period of five years.
- The market forecasts are developed on the basis of secondary research and are cross-validated through interactions with the industry players.
- We use reliable sources of information and databases. And information from such sources is processed by us and included in the report.
Scope of the Report

The report titled “Market Survey cum Detailed Techno Economic Feasibility Report on Formic Acid.” provides an insight into Formic Acid market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of Formic Acid project. The report assesses the market sizing and growth of the Indian Formic Acid Industry. While expanding a current business or while venturing into new business, entrepreneurs are often faced with the dilemma of zeroing in on a suitable product/line. And before diversifying/venturing into any product, they wish to study the following aspects of the identified product:
• Good Present/Future Demand
• Export-Import Market Potential
• Raw Material & Manpower Availability
• Project Costs and Payback Period

We at NPCS, through our reliable expertise in the project consultancy and market research field, have demystified the situation by putting forward the emerging business opportunity in the Formic Acid sector in India along with its business prospects. Through this report we have identified Formic Acid project as a lucrative investment avenue.
Formic Acid Manufacturing Plant, new small scale ideas in Formic Acid processing industry, Process technology books, Business consultancy, Business consultant, Project identification and selection, Preparation of Project Profiles, Startup Business guidance, Business guidance to clients, Startup Project for Formic Acid, Startup Project, Startup ideas, Project for startups, Startup project plan, Business start-up, Business Plan for a Startup Business, Great Opportunity for Startup,
Start-up Business Plan for Formic Acid, Start Up India, Stand Up India, Small Start-up Business Project, Formic Acid Making Small Business Manufacturing, Small scale Formic Acid making machine Formic Acid production line, Formic Acid making machine factory, Modern small and cottage scale industries, Profitable small and cottage scale industries, Setting up and opening your Formic Acid Business, How to Start a Formic Acid?, How to start a successful Formic Acid business, Small scale Commercial Formic Acid making, Best small and cottage scale industries, Formic Acid Business, Profitable Small Scale Manufacturing, Feasibility Reports List, Detailed Project Reports List, Project Reports, Niir Project Consultancy Services, Business Ideas, Entrepreneur business of Formic Acid, Business Plan, Technology Book on Formic Acid, Manufacturing Business of Formic Acid, Detailed Project Report on Formic Acid, Market Research Report,
Niir Project Consultancy Services (NPCS) can provide Detailed Project Report on Production of Formic Acid. Investment Opportunities in Chemical Industry.

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Our Market Survey cum Detailed Techno Economic Feasibility Report provides an insight of market in India. The report assesses the market sizing and growth of the Industry. While expanding a current business or while venturing into new business, entrepreneurs are often faced with the dilemma of zeroing in on a suitable product/line.
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The detailed project report covers all aspect of business, from analyzing the market, confirming availability of various necessities such as Manufacturing Plant, Detailed Project Report, Profile, Business Plan, Industry Trends, Market Research, Survey, Manufacturing Process, Machinery, Raw Materials, Feasibility Study, Investment Opportunities, Cost and Revenue, Plant Economics, Production Schedule,
Working Capital Requirement, uses and applications, Plant Layout, Project Financials, Process Flow Sheet, Cost of Project, Projected Balance Sheets, Profitability Ratios, Break Even Analysis. The DPR (Detailed Project Report) is formulated by highly accomplished and experienced consultants and the market research and analysis are supported by a panel of experts and digitalized data bank.

We at NPCS, through our reliable expertise in the project consultancy and market research field, have demystified the situation by putting forward the emerging business opportunity in India along with its business prospects......Read more
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- Turnkey Project Consultancy/Solutions
- Entrepreneur India (An Industrial Monthly Journal)
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- We have two decades long experience in project consultancy and market research field
- We empower our customers with the prerequisite know-how to take sound business decisions
- We help catalyze business growth by providing distinctive and profound market analysis
- We serve a wide array of customers, from individual entrepreneurs to Corporations and Foreign Investors
- We use authentic & reliable sources to ensure business precision
Our Approach

- Requirement collection
- Thorough analysis of the project
- Economic feasibility study of the Project
- Market potential survey/research
- Report Compilation
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