Global Inorganic Chemicals Market to Grow 4.5% by 2022.

Manufacturing of Sodium and Ammonium Molybdate.

Project Opportunities in Production of Inorganic Compound
Sodium Molybdate

Sodium Molybdate also known as disodium dioxide (dioxo) molybdenum is a chemical compound extensively consumed in fertilizer application. Other uses of sodium molybdate include nutritional supplement in food industry and as corrosion inhibitor in industrial applications. Sodium molybdate is often found as dehydrate and was first synthesized by the method of hydration.
Sodium molybdate is an organic salt which is found in dietary supplements and other nutritional supplement. Sodium molybdate is a good source of molybdenum, it is used to for nitrogen fixation to support healthy growth of leguminous plants such as peas & beans, clover & Lucerne. Sodium molybdate is used as corrosion inhibition in industry. In addition, sodium molybdate is also used for reducing nitrite requirement of fluids inhibited with nitrite-amine in chemical plants and improves corrosion protection.

Sodium molybdate is a chemically altered form of the mineral element, sodium. Sodium is a natural salt, and sodium molybdate is used in the food industry as a fertilizer and nutritional supplement for health.
The agricultural industry uses large quantities of sodium molybdate as fertilizer, particularly on vegetables such as broccoli and cauliflower. It is also fed to some cattle to help treat copper deficiencies. As a result of its use on food products you consume, trace amounts of sodium molybdate may end up in the food supply. Sodium molybdate in your food can have a variety of effects on your body, although its complete effects are not fully understood.

Sodium Molybdate is useful as a source of molybdenum. It is often found as the dihydrate, Na$_2$MoO$_4$·2H$_2$O. The molybdate (VI) anion is tetrahedral.
Sodium molybdate can help correct a sodium deficiency by adding extra sodium to your body; however, sodium molybdate is ingested in such small amounts its contribution to your overall sodium stores is probably negligible. Once in your body, the molybdenum molecule is cleaved off of the sodium molecule and can have positive effects on your health.

Rapid industrialization across the globe is leading to increasing discharge of waste water and associated chemicals into the ecosystem, stringent government regulations on water disposal and environmental safety is leading towards increasing capacities of chemical and water treatment. Sodium molybdate is used for corrosion inhibition and water treatment in these facilities. Such investments in these facilities are expected to drive sodium molybdate consumption across the globe.
Sodium molybdate is emerging as possible alternative additive for sodium dichromate in the electrolytic production of sodium chlorate to reduce environmental impact without hampering performance in maintaining high current efficiency. Increasing use of sodium molybdate for aforementioned applications is a growth factor for sodium molybdate consumption in near future.

Global Sodium molybdate market can be segmented on the basis application, product type, and region.
Applications of sodium molybdate has a wide span, due to low toxicity it is used in wide array of applications such as in inks, dyes and pigments, fertilizers, ingredients in food and water treatment agents. It is also used in pharmaceutical industry as an analytical reagent. On the basis of prominent applications, global sodium molybdate market can be segmented as:

- Water treatment
- Fertilizer
- Pigments & dye
- Corrosion inhibition
- Others
Ammonium Molybdate

Ammonium Molybdate is an odorless crystalline compound ranging in color from white to yellow-green. Ammonium Molybdate also called molybdic acid hex ammonium, salt tetrahydrate, ammonium molybdate tetrahydrate, and ammonium heptamolybdate tetrahydrate.
Molybdate is an odorless compound containing molybdenum and oxygen ions. Ammonium molybdate is an organic compound, which is manufactured by reacting molybdenum trioxide in the presence of excess ammonia. The compound is available in different physical forms: solid powder, liquid, crystals, and chunks.

**Uses:**

- As an analytical reagent
- Presence of phosphates, silicates,
- Arsenates and lead in pigments
- In the production of molybdenum metal
- In the preparation of dehydrogenation
- In the fixing of metals
- In electroplating
- In fertilizers for crops.
The compound is also used as a catalyst in production of polymers and other commercial chemical processes. Ammonium molybdate is also applied as an intermediate in some industries. Due to bright color of molybdate, the compound is employed in paints, inks, and as an indicator & reagent in different colorimetric chemical experiments. Ammonium molybdate is employed as an analgesic in the medical industry. It is employed as a source of molybdate ion for the production of molybdenum metals and ceramics. Ammonium molybdate is manufactured in different grades such as reagent & technical grade, laboratory grade, food & pharmaceutical grade, and industrial grade. These grades are utilized in different industries. Based on region, the ammonium molybdate market can be divided into Asia Pacific, Europe, Middle East & Africa, North America, and Latin America.
The global Ammonium Molybdate Market industry has experienced an astonishing change structure-wise such as enhancements in technology, increasing raw material costs, manufacturing base been channeled to Asian countries, novel promising growth markets, etc.

The global ammonium molybdate market can be segmented based on product type, application, end-use industry, and region. In terms of product type, the ammonium molybdate market can be segmented into ammonium orthomolybdate, ammonium molybdate tetrahydrate, ammonium octamolybdate, and others. Ammonium molybdate tetrahydrate is also known as ammonium heptamolybdate.
It is manufactured by liberating ammonium upon heating ammonium orthomolybdate. In terms of application, the market can be divided into analytical reagent, fertilizers & micronutrient, catalyst, metals & ceramic, electroplating, corrosion inhibitor, pigment, and others. Ammonium molybdate is used in end-use industries such as chemical manufacturing, molybdate products, life science, research & laboratories, and others.

Demand for ammonium molybdate is expected to be higher in the chemical manufacturing segment in the next few years. Increasing cost of raw materials and toxicity of ammonium molybdate are estimated to restrain the ammonium molybdate market.
The compound is harmful for eyes, skin, kidneys, blood, and respiratory tract if swallowed or inhaled. Asia Pacific is estimated to dominate the market in the near future. Industrial and economic growth in the region, and increase manufacturing capacities are boosting the ammonium molybdate market in Asia Pacific, particularly in China, Japan, and India. The ammonium molybdate market is anticipated to expand at a rapid pace in North America.
Machinery Photographs

Storage Tank

www.entrepreneurindia.co
Jacketed Tank

Spray Dryer
## Project at a Glance

### PROJECT AT A GLANCE

<table>
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## Project at a Glance

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<th>Yield Price/Book Value</th>
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## Project at a Glance

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<th>Debt / Equity</th>
<th>Total Net Worth</th>
<th>Return on Net Worth</th>
<th>Profitability Ratio</th>
<th>Asset Turnover Ratio</th>
<th>Current Ratio</th>
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## Project at a Glance

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<tr>
<td><strong>Total BEP (% of Installed Capacity)</strong></td>
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<td><strong>Payback Period of the Project is ( In Years )</strong></td>
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<td><strong>Fixed Assets Coverage Ratio ( No. of times )</strong></td>
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Major Queries/Questions Answered in the Report?

1. What is Sodium and Ammonium Molybdate Manufacturing industry?

2. How has the Sodium and Ammonium Molybdate Manufacturing industry performed so far and how will it perform in the coming years?

3. What is the Project Feasibility of Sodium and Ammonium Molybdate Manufacturing Plant?

4. What are the requirements of Working Capital for setting up Sodium and Ammonium Molybdate Manufacturing plant?
5. What is the structure of the Sodium and Ammonium Molybdate Manufacturing Business and who are the key/major players?

6. What is the total project cost for setting up Sodium and Ammonium Molybdate Manufacturing Business?

7. What are the operating costs for setting up Sodium and Ammonium Molybdate Manufacturing plant?

8. What are the machinery and equipment requirements for setting up Sodium and Ammonium Molybdate Manufacturing plant?
9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up Sodium and Ammonium Molybdate Manufacturing plant?

10. What are the requirements of raw material for setting up Sodium and Ammonium Molybdate Manufacturing plant?

11. Who are the Suppliers and Manufacturers of Raw materials for setting up Sodium and Ammonium Molybdate Manufacturing Business?

12. What is the Manufacturing Process of Sodium and Ammonium Molybdate?
13. What is the total size of land required for setting up Sodium and Ammonium Molybdate Manufacturing plant?

14. What will be the income and expenditures for Sodium and Ammonium Molybdate Manufacturing Business?

15. What are the Projected Balance Sheets of Sodium and Ammonium Molybdate Manufacturing plant?

16. What are the requirement of utilities and overheads for setting up Sodium and Ammonium Molybdate Manufacturing plant?

17. What is the Built up Area Requirement and cost for setting up Sodium and Ammonium Molybdate Manufacturing Business?
18. What are the Personnel (Manpower) Requirements for setting up Sodium and Ammonium Molybdate Manufacturing Business?

19. What are Statistics of Import & Export for Sodium and Ammonium Molybdate?

20. What is the time required to break-even of Sodium and Ammonium Molybdate Manufacturing Business?

21. What is the Break-Even Analysis of Sodium and Ammonium Molybdate Manufacturing plant?

22. What are the Project financials of Sodium and Ammonium Molybdate Manufacturing Business?
23. What are the Profitability Ratios of Sodium and Ammonium Molybdate Manufacturing Project?

24. What is the Sensitivity Analysis-Price/Volume of Sodium and Ammonium Molybdate Manufacturing plant?

25. What are the Projected Pay-Back Period and IRR of Sodium and Ammonium Molybdate Manufacturing plant?

26. What is the Process Flow Sheet Diagram of Sodium and Ammonium Molybdate Manufacturing project?
27. What are the Market Opportunities for setting up Sodium and Ammonium Molybdate Manufacturing plant?

28. What is the Market Study and Assessment for setting up Sodium and Ammonium Molybdate Manufacturing Business?

29. What is the Plant Layout for setting up Sodium and Ammonium Molybdate Manufacturing Business?
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1.1.8. Transportation
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- Plant Economics
- Production Schedule
- Land & Building

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2. Plant Economics
3. Production Schedule
4. Land & Building

Factory Land & Building
Site Development Expenses

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- **Plant & Machinery**
  - Indigenous Machineries
  - Other Machineries (Miscellaneous, Laboratory etc.)

- **Other Fixed Assets**
  - Furniture & Fixtures
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  - Raw Material
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- Semi-Variable/Semi-Fixed Expenses
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- Fixed Expenses / Cost
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- Resultant N.P.B.T
- Resultant D.S.C.R
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- Resultant DER
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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
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 Sodium and Ammonium Molybdate.” provides an insight into Sodium and Ammonium Molybdate market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of Sodium and Ammonium Molybdate project. The report assesses the market sizing and growth of the Indian Sodium and Ammonium Molybdate 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:
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 Sodium and Ammonium Molybdate sector in India along with its business prospects. Through this report we have identified Sodium and Ammonium Molybdate project as a lucrative investment avenue.
Sodium Molybdate, Molybdenum Compounds, Sodium Molybdate Food Grade, Molybdate Manufacturing Company, Sodium Molybdate Production, Sodium Molybdate Dihydrate Production, Sodium Molybdate Production Process, Sodium Molybdate Dihydrate (Smc), Manufacture Process for Ammonium Molybdate and Sodium Molybdate, Ammonium Molybdate, Chemical Compound, Sodium Molybdate (Na2moo4), Sodium Molybdate Solution, Molybdenum Industry, Sodium Molybdate (Vi), Preparation of Ammonium Molybdate Solution, Ammonium Orthomolybdate, Ammonium Heptamolybdate, Process for Producing Ammonium Molybdate, Ammonium Molybdate Production Technology, Ammonium Molybdate Production, Method for Producing Ammonium Heptamolybdate, Ammonium Molybdate(Vi), Ammonium Molybdate Solution Formula, Ammonium Molybdate Uses, Production of Ammonium Molybdate, Ammonium Molybdate, Preparation of Industrial Ammonium Molybdate, Ammonium Molybdate Solution, Ammonium Molybdate Manufacture, Ammonium Molybdate Production project ideas, Projects on Small Scale Industries,
Small scale industries projects ideas, Project Report on Ammonium Molybdate Production Industry, Detailed Project Report on Sodium Molybdate Production, Project Report on Sodium Molybdate Production, Pre-Investment Feasibility Study on Sodium Molybdate Production, Techno-Economic feasibility study on Ammonium Molybdate Production, Feasibility report on Ammonium Molybdate Production, Free Project Profile on Sodium Molybdate Production, Project profile on Sodium Molybdate Production, Download free project profile on Ammonium Molybdate Production
Niir Project Consultancy Services (NPCS) can provide Detailed Project Report on Global Inorganic Chemicals Market to Grow 4.5% by 2022. Manufacturing of Sodium and Ammonium Molybdate.

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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.
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

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.

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- One of the leading reliable names in industrial world for providing the most comprehensive technical consulting services

- We adopt a systematic approach to provide the strong fundamental support needed for the effective delivery of services to our Clients’ in India & abroad
We at NPCS want to grow with you by providing solutions scale to suit your new operations and help you reduce risk and give a high return on application investments. We have successfully achieved top-notch quality standards with a high level of customer appreciation resulting in long lasting relation and large amount of referral work through technological breakthrough and innovative concepts. A large number of our Indian, Overseas and NRI Clients have appreciated our expertise for excellence which speaks volumes about our commitment and dedication to every client's success.
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- We empower our customers with the prerequisite know-how to take sound business decisions.
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- We serve a wide array of customers, from individual entrepreneurs to Corporations and Foreign Investors.
- We use authentic & reliable sources to ensure business precision.

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Our Approach

Requirement collection

Thorough analysis of the project

Economic feasibility study of the Project

Market potential survey/research

Report Compilation
Contact us

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