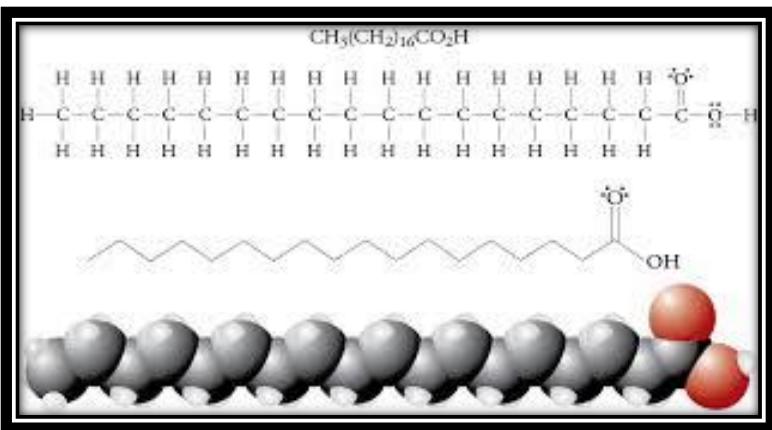


Introduction

Stearic acid is also called octadecanoic acid, which is basically one of the most common long-chain fatty acids. Stearic acid has extensive applications in many fields, for instance, cosmetic industry, rubber industry, food industry, pharmaceutical industry and biomedical science industry. Although, stearic is generally derived from palm oil, it is also derived from others sources such as corn, which is a waxy solid that is almost insoluble in water.



Since, stearic acid occurs in many animal and vegetable fats and oils. However, animal fat is richer than vegetable fat by 15%. One of the most popular uses of stearic acid is in the production of candles to harden the wax and strengthen the candle. Stearic acid is also commonly used in the production of soap. It give shampoos a pearly color and also helps to make harden soaps. Furthermore, preventing oxidization is another key use of stearic acid. It is also used to coat metal powders such as iron and aluminum, used in fireworks that allow them to be stored for longer period of time. It is also used in some metal polishes to prevent the oxidation, to produce magnesium stearate and rust that can occur on metal parts of tools.



Stearic acid is a waxy solid saturated fatty acid occurring in coconut oil, palm kernel oil, in the milk of several mammals and in other animal fats. Commercial stearic acid is a mixture of approximately equal amounts of stearic and palmitic acids and small amounts of oleic acid. It is mainly used in the manufacturing of detergents, cosmetics including shampoos and shaving products and soaps.

Stearic acid is a very common amino acid is used in the manufacturing of more than 3,200 skin and hair care products sold in the United States. On product labels, it is sometimes listed under other names, including Century 1240, cetylacetic acid, Emersol 120, Emersol 132, Emersol 150, Formula 300 and Glycon DP.



Benefits:

- Acts as good emulsion stabilizing agent
- Has effective thickening properties
- Provides a soft, pearly and cooling feel on the skin. Often used in lubricants.

It is also used as the base for the manufacture of other fatty acid ingredients which are used as emulsifiers, emollients and lubricants. It is also used as an ingredient in candles, plastics, dietary supplements, oil pastels, and for softening rubber; it is a frequent ingredient in soaps made from vegetable oil, and is used to harden the product.

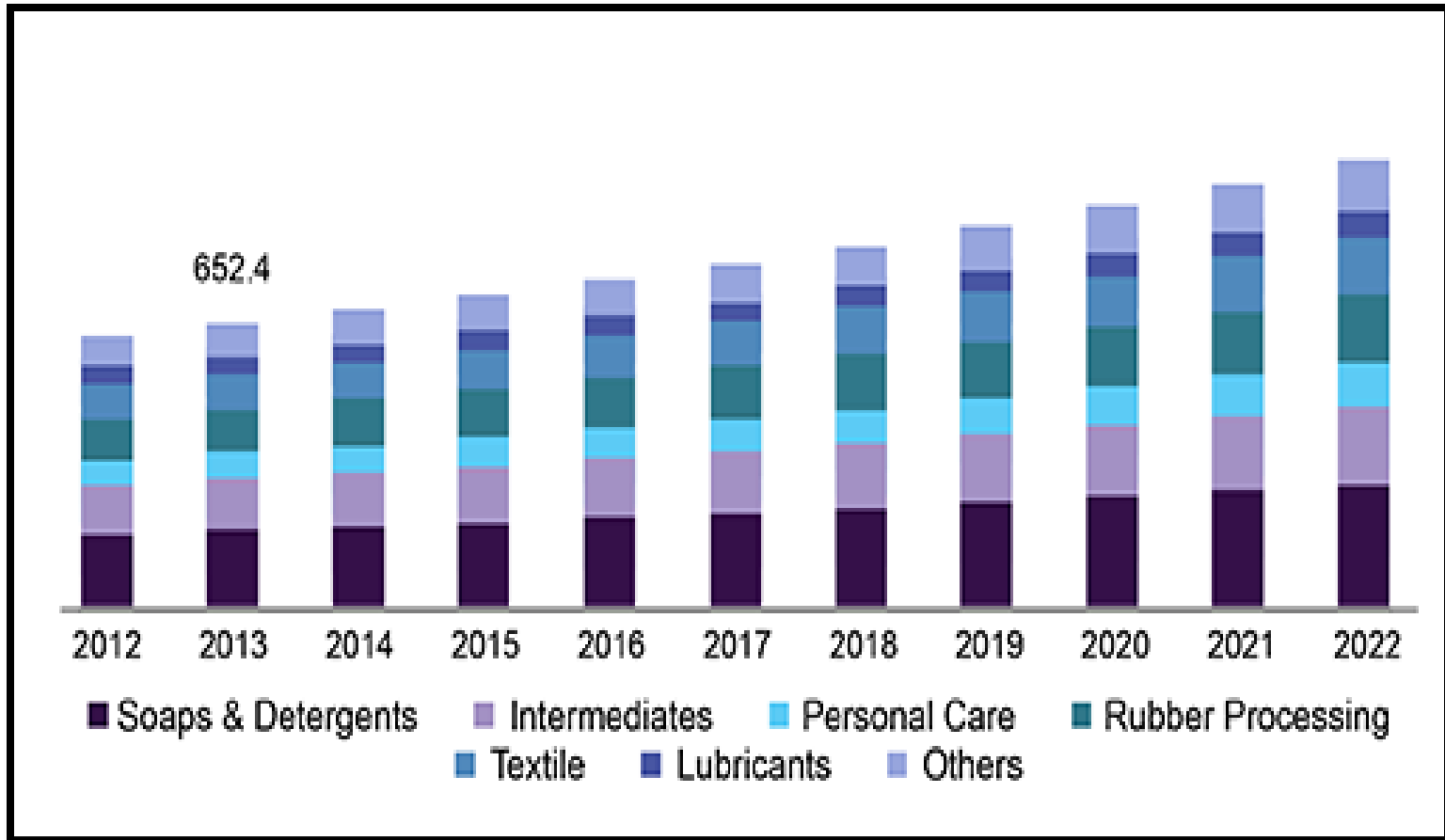


Market Outlook

The global stearic acid market size was valued at USD 7.1 billion in 2014 and is projected to expand at a CAGR of 4.5% over the forecast period. Rising application in personal care products including shampoos, shaving creams, and soaps is anticipated to augment market growth over the forecast period. Stearic acid is a waxy solid, saturated fatty acid that is derived from animal fat and vegetable oils.



U.S. Stearic Acid Market Size, By Application, 2012-2022 (USD Million)



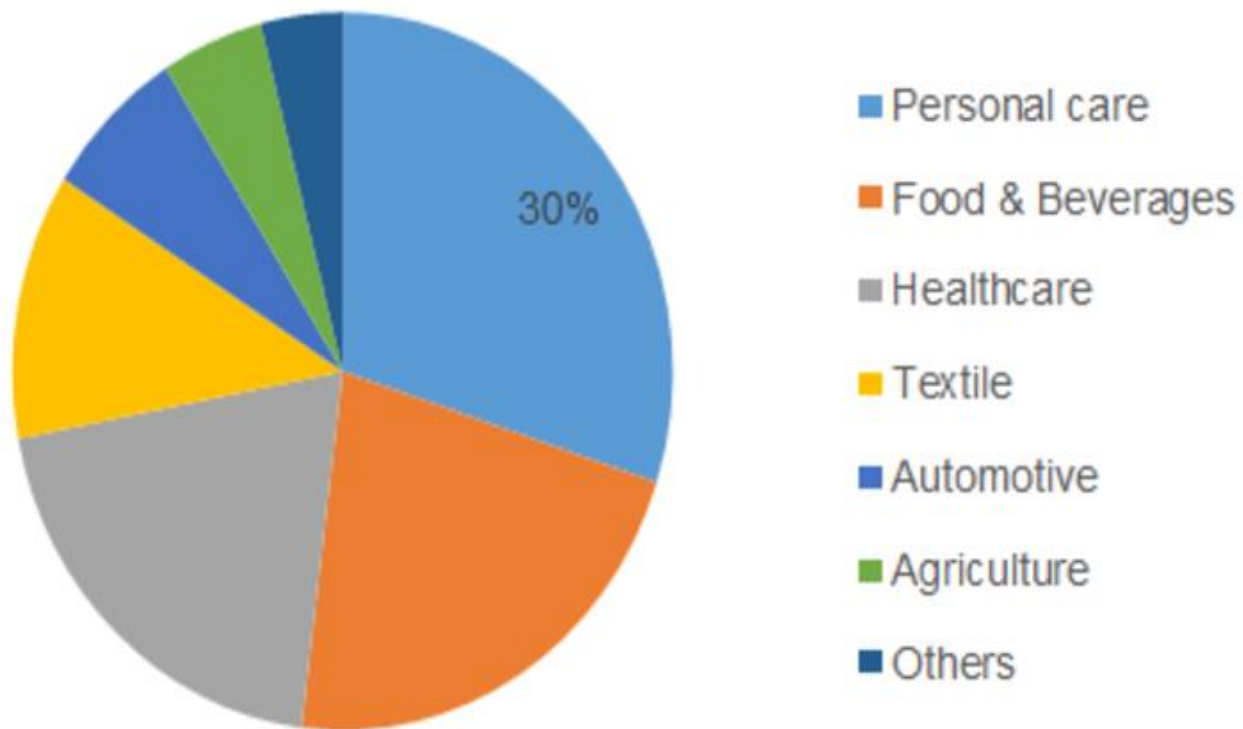
On the basis of application stearic acid market is segmented into personal care industry, food industry, pharmaceutical & biomedical science industry and industrial uses (use in rubber, textile and metal). Personal care segment holds highest market share owing to its strong surfactant and cleansing properties accounting around one third of the market share in terms of value.

The demand for stearic acid has experienced a continuous rise in the past few years and this trend is expected to continue in the next few years as well. The major reason for this is the diverse range of application products that can be produced from stearic acid. The application products of stearic acid mainly include cleaners, detergents, lubricants, hardener for candies and production of plasticizer alcohols among others. Owing to such a wide range of applications, stearic acid is widely used in several end-user industries.

The growing demand for these application products from automotive, plastics, oil and gas and paints and coatings industries is anticipated to drive the demand for stearic acid in the next few years. However, use of stearic acid in higher concentration leads to cancer in humans and mammals. Magnesium stearate in large doses causes liver toxicity and damage to skin. This is expected to hamper the demand and thereby, hamper the growth of the market. Despite of all these claims, stearic acid is considered as a mild and safe ingredient.



Global Stearic Acid Market Share, By End-Use Industry (%)



Growing pharmaceutical industry is augmenting the market growth due to its increasing use as an emulsifying agent, solubilizing agent, and capsule lubricant. Stearic acid use is rising in the automotive industry owing to its softener and dispersing properties. Burgeoning textile industry due to rising aspiration based purchasing and high per capita disposable income of the consumers is stimulating the product demand globally.

Moreover, the growing cosmetic industry coupled with cutting-edge innovation and creativity can create huge opportunities in the stearic acid market. Also, the increasing use of stearic acid for the metal cleaning and manufacturing of candles are projected contribution to the growth of the steric acid market in upcoming years.

Global Stearic Acid Market Revenue



Automotive parts and machinery extensively require lubricants for effective and smooth functioning that driving the industry growth. However, fluctuating prices of raw material may slow down the growth of the market. Nonetheless, the emerging markets are likely to set new wings to the global stearic acid market during the forecast period.

Some of the key players operating in the stearic acid market are P&G Chemicals, the Chemical Company, BASF SE, AkzoNobel N.V., Kao Corporation, VVF LLC and Godrej Industries. In addition, there are small players involved in the manufacturing of stearic acid spread across various geographies.



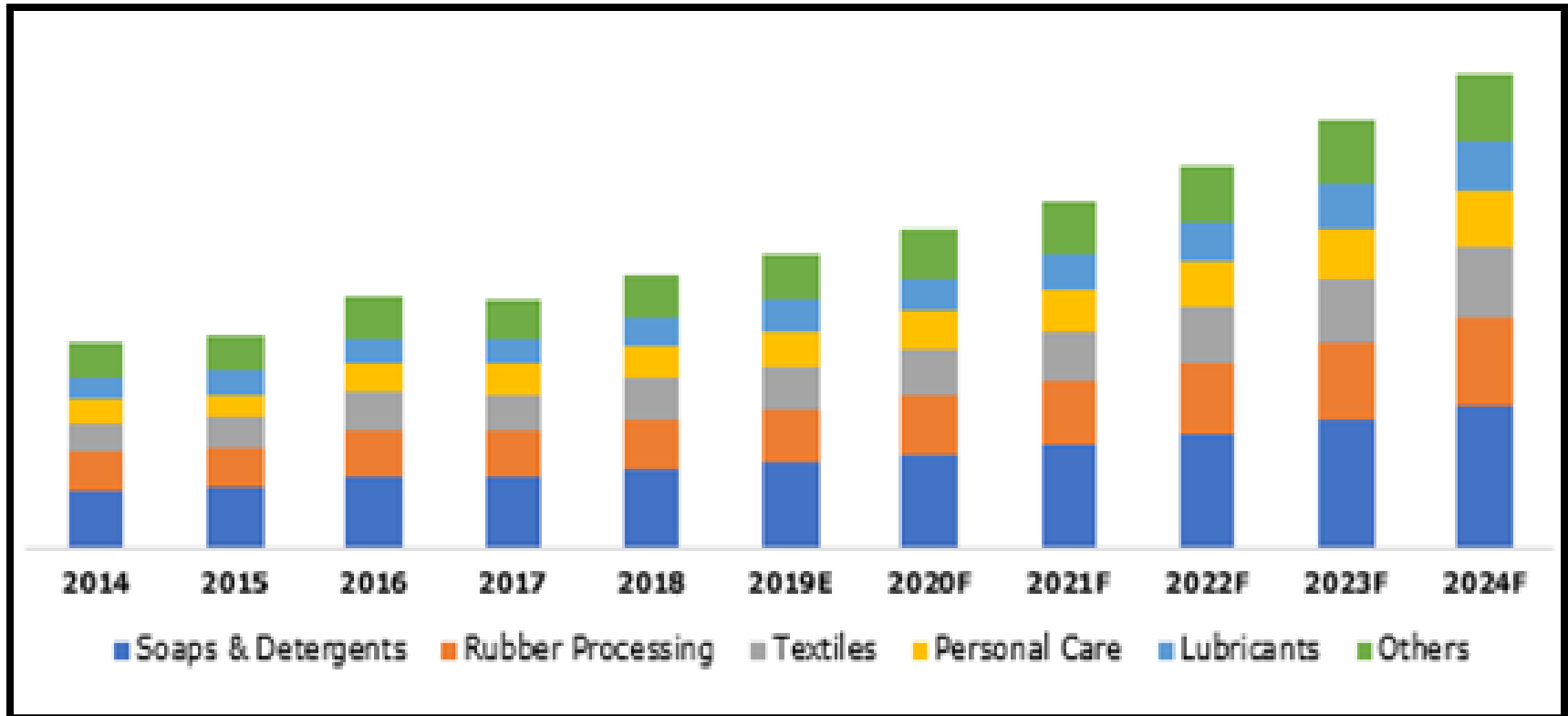
India Stearic Acid Market

India stearic acid market was valued at around \$ 216 million in 2018 and is projected to reach nearly \$ 344 million by 2024, exhibiting a CAGR of 8.6%. Increasing awareness about benefits of personal care products among customers is resulting in higher usage of cosmetics and personal care products as they protect skin from harmful UV rays besides providing other benefits. Moreover, increasing disposable income and purchasing power of the population is further leading to high demand for cosmetics and personal care products, thereby fueling growth in stearic acid market as well. Moreover, favorable government policies is expected drive investment in industrial sector, thereby resulting in increasing demand for stearic acid from end use industries such as chemicals, lubricants, rubber processing and plastics.

The market for stearic acid has been segmented into type, end use, distribution channel and region. Among types, vegetable-based segment is anticipated to lead India stearic acid market. Based on application, the market is categorized into Soaps & Detergents, Personal Care, Textiles, Lubricants, Rubber Processing and Others (Intermediates, Plastics, etc.). Soaps & detergent segment holds the maximum share in India stearic acid market on the back of growing preference for naturally produced stearic acid as a raw material in soaps and detergents production owing to their competitive prices and no harmful and allergic effects on humans.



India Stearic Acid Market Size, By End Use, By Value, 2014-2024F



Some of the leading players in India stearic acid market are VVF (India) Limited, Godrej Industries Limited, 3F India Limited, Jocil Limited, Sheel Chand Agroils Private Limited, Fine Organics Industries Pvt. Ltd., TGV SRAAC Limited, Adani Wilmar Limited, Pioneer Agro Extracts Ltd., Ritesh International Limited, among others.



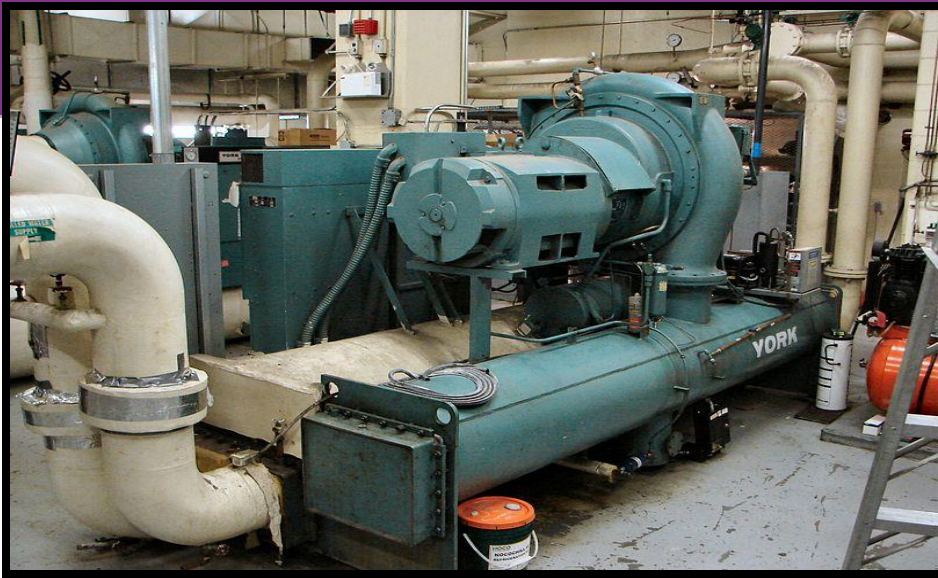
Machinery Photographs



Reactor Kettle



Crystallizer



Chiller



Heat Exchanger

Project at a Glance

COST OF PROJECT				MEANS OF FINANCE			
Particulars	Existin g	Propose d	Total	Particulars	Existin g	Propose d	Total
Land & Site							1137.6
Development Exp.	0.00	1650.00	1650.00	Capital	0.00	1137.62	2
Buildings	0.00	1241.25	1241.25	Share Premium	0.00	0.00	0.00
				Other Type Share			
Plant & Machineries	0.00	872.50	872.50	Capital	0.00	0.00	0.00
Motor Vehicles	0.00	30.00	30.00	Reserves & Surplus	0.00	0.00	0.00
Office Automation							
Equipments	0.00	84.00	84.00	Cash Subsidy	0.00	0.00	0.00
Technical Knowhow				Internal Cash			
Fees & Exp.	0.00	50.00	50.00	Accruals	0.00	0.00	0.00
Franchise & Other				Long/Medium Term			3412.8
Deposits	0.00	0.00	0.00	Borrowings	0.00	3412.86	6
Preliminary& Pre- operative Exp	0.00	15.00	15.00	Debentures / Bonds	0.00	0.00	0.00
Provision for				Unsecured			
Contingencies	0.00	87.25	87.25	Loans/Deposits	0.00	0.00	0.00
Margin Money - Working Capital	0.00	520.48	520.48				
TOTAL	0.00	4550.48	4550.48	TOTAL	0.00	4550.48	8

Project at a Glance

Year	Annualised		Book Value	Debt	Dividend	Retained Earnings		Payout	Probable Market Price	P/E Ratio	Yield Price/Book Value
	EPS	CEPS				Per Share	Per Share				
	Rs	Rs	Rs	Rs	Rs	%	Rs	%	Rs	No. of Times	%
1-2	647.35	893.50	657.35	2400.00	0.00	100.00	647.35	0.00	647.35	1.00	0.00
2-3	900.59	1116.41	1557.93	1800.00	0.00	100.00	900.59	0.00	900.59	1.00	0.00
3-4	1157.23	1346.68	2715.16	1200.00	0.00	100.00	1157.23	0.00	1157.23	1.00	0.00
4-5	1408.40	1574.90	4123.56	600.00	0.00	100.00	1408.40	0.00	1408.40	1.00	0.00
5-6	1652.35	1798.87	5775.91	0.00	0.00	100.00	1652.35	0.00	1652.35	1.00	0.00



Project at a Glance

Year	D. S. C. R.			Debt / - Deposits Debt	Equity as-Equity	Total Net Worth	Return on Net Worth	Profitability Ratio					Assets Turnover Ratio	Current Ratio
	Individual	Cumulative	Overall					GPM	PBT	PAT	Net Contribution	P/V Ratio		
	(Number of times)			(Number of times)		%	%	%	%	%	%			
Initial				3.00	3.00									
1-2	1.31	1.31		1.46	1.46	3.61	6.23%	3.80%	2.52%	3402.66	11.64%	3.40	1.04	
2-3	1.60	1.45		0.71	0.71	2.31	6.70%	4.66%	3.00%	3868.95	11.34%	3.56	1.14	
3-4	1.95	1.60	1.95	0.32	0.32	1.59	7.02%	5.30%	3.38%	4419.26	11.34%	3.58	1.27	
4-5	2.36	1.77		0.12	0.12	1.15	7.23%	5.76%	3.65%	4969.57	11.33%	3.52	1.41	
5-6	2.86	1.95		0.00	0.00	0.86	7.36%	6.10%	3.86%	5519.88	11.33%	3.40	1.72	



Project at a Glance

BEP

BEP - Maximum Utilisation Year	5
Cash BEP (% of Installed Capacity)	42.84%
Total BEP (% of Installed Capacity)	45.86%
IRR, PAYBACK and FACR	
Internal Rate of Return .. (In %age)	26.05%
Payback Period of the Project is (In Years)	2 Years 4 Months
Fixed Assets Coverage Ratio (No. of times)	16.302

Major Queries/Questions Answered in the Report?

1. **What is Stearic Acid Manufacturing industry ?**
2. **How has the Stearic Acid Manufacturing industry performed so far and how will it perform in the coming years ?**
3. **What is the Project Feasibility of Stearic Acid Manufacturing Plant ?**
4. **What are the requirements of Working Capital for setting up Stearic Acid Manufacturing plant ?**

- 5. What is the structure of the Stearic Acid Manufacturing Business and who are the key/major players ?**
- 6. What is the total project cost for setting up Stearic Acid Manufacturing Business?**
- 7. What are the operating costs for setting up Stearic Acid Manufacturing plant ?**
- 8. What are the machinery and equipment requirements for setting up Stearic Acid Manufacturing plant ?**

9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up Stearic Acid Manufacturing plant ?

10. What are the requirements of raw material for setting up Stearic Acid Manufacturing plant ?

11. Who are the Suppliers and Manufacturers of Raw materials for setting up Stearic Acid Manufacturing Business?

12. What is the Manufacturing Process of Stearic Acid?



- 13. What is the total size of land required for setting up Stearic Acid Manufacturing plant ?**
- 14. What will be the income and expenditures for Stearic Acid Manufacturing Business?**
- 15. What are the Projected Balance Sheets of Stearic Acid Manufacturing plant ?**
- 16. What are the requirement of utilities and overheads for setting up Stearic Acid Manufacturing plant?**
- 17. What is the Built up Area Requirement and cost for setting up Stearic Acid Manufacturing Business?**

18. What are the Personnel (Manpower) Requirements for setting up Stearic Acid Manufacturing Business?

19. What are Statistics of Import & Export for Stearic Acid?

20. What is the time required to break-even of Stearic Acid Manufacturing Business?

21. What is the Break-Even Analysis of Stearic Acid Manufacturing plant?

22. What are the Project financials of Stearic Acid Manufacturing Business?

- 23. What are the Profitability Ratios of Stearic Acid Manufacturing Project?**
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Tags

#Stearic_Acid, #Preparation_of_Stearic_Acid, Producing Commercial Stearic Acid, #Stearic_Acid_Production, #Production_of_Stearic_Acid, Stearic Acid Manufacturing Plant, Stearic Acid Manufacturing, Stearic Acid Uses, Stearic Acid Production Plant, Stearic Acid Industry, #What_is_the_Making_Process_of_Stearic_Acid? Stearic Acid Production Process, #Stearic_Acid_Manufacturing_Process, #Project_Report_on_Stearic_Acid, Stearic Acid Manufacture, Stearic Acid Plant, Stearic Acid Manufacture in India, Stearic Acid Making Business, #Manufacture_of_Stearic_Acid, #Octadecanoic_Acid, Detailed Project Report on Stearic Acid Production, Project Report on Stearic Acid Production, Pre-Investment Feasibility Study on Stearic Acid Production, Techno-Economic feasibility study on Stearic Acid Production, #Feasibility_report_on_Stearic_Acid_Production, Free Project Profile on Stearic Acid Production, Project profile on Stearic Acid Production, Download free project profile on Stearic Acid Production

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