

Silicone Emulsion Industry

An Investment Opportunity for Entrepreneurs and Startup

Rapid Growth in Silicon Emulsion Market

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, Plant Layout, Process Flow Sheet, Cost of Project, Projected Balance Sheets, Profitability Ratios, Break Even Analysis

Introduction

Silicones consist of an inorganic backbone made of alternate silicon and oxygen atoms. Chemists refer to them as polydiorganosiloxanes. Silicone emulsions can be divided into three groups depending on the type of emulsifier system used, they can be: anionic, cationic and non-ionic. Most emulsions are non-ionic as they are compatible with either of the other two systems but depending on the application, cationic or anionic emulsions can be chosen.

Silicon emulsions are insoluble silicones evenly dispersed in water with the aid of a surfactants. Out of concern for the environment, demand is growing for emulsion products that can be diluted with water without use of a solvent. These products used in many industrial applications requiring lubrication, gloss, water repellent and release properties. Silicon has developed a line of silicon emulsions designed to be eco-friendly, safe, and easy to use, in order to meet the needs of industry in the modern age.

This silicone emulsions allows emulsification of extremely high viscosity methyl end blocked dimethyl silicone. Silicone emulsions are used in a wide range of industrial and consumer products. Silicone Emulsions are manufactured for use in diverse industrial applications such as vial coating, rubber moulding, plastics moulding, foundry parting, antistatic agents, textiles softening, hydrophilic softener emulsions etc. A wide variety of surfactants has been used to emulsify and stabilize water/silicone emulsions.

In order to make silicone useful in aqueous systems, there are a variety of emulsions available. The use of an emulsion makes the silicone easier to handle. Silicone emulsions or emulsions containing both silicone oil and mineral oil are over sprayed on the printed goods during the drying process right after printing. These materials, called printer's solution in the trade, allow for lubrication, anti-smudge and anti-static properties on printed goods.

Project at a Glance

COST OF PROJECT				MEANS OF FINANCE			
Particulars	Existing	Proposed	Total	Particulars	Existing	Proposed	Total
Land & Site Development Exp.	0.00	45.00	45.00	Capital	0.00	39.36	39.36
Buildings	0.00	41.00	41.00	Share Premium	0.00	0.00	0.00
Plant & Machineries	0.00	22.85	22.85	Other Type Share Capital	0.00	0.00	0.00
Motor Vehicles	0.00	5.00	5.00	Reserves & Surplus	0.00	0.00	0.00
Office Automation Equipments	0.00	17.50	17.50	Cash Subsidy	0.00	0.00	0.00
Technical Knowhow Fees & Exp.	0.00	10.00	10.00	Internal Cash Accruals	0.00	0.00	0.00
Franchise & Other Deposits	0.00	0.00	0.00	Long/Medium Term Borrowings	0.00	118.07	118.07
Preliminary& Pre-operative Exp	0.00	2.00	2.00	Debentures / Bonds	0.00	0.00	0.00
Provision for Contingencies	0.00	1.50	1.50	Unsecured Loans/Deposits	0.00	0.00	0.00
Margin Money - Working Capital	0.00	12.57	12.57				
TOTAL	0.00	157.42	157.42	TOTAL	0.00	157.42	157.42

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	Per Share				No. of Times	
	Rs	Rs	Rs	Rs	Rs	%	Rs	%	Rs		%
1-2	5.22	8.11	15.22	24.00	0.00	100.00	5.22	0.00	5.22	1.00	0.00
2-3	8.51	11.08	23.74	18.00	0.00	100.00	8.51	0.00	8.51	1.00	0.00
3-4	11.69	13.98	35.43	12.00	0.00	100.00	11.69	0.00	11.69	1.00	0.00
4-5	14.71	16.75	50.14	6.00	0.00	100.00	14.71	0.00	14.71	1.00	0.00
5-6	17.55	19.37	67.70	0.00	0.00	100.00	17.55	0.00	17.55	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	1.23	1.23		1.58	1.58	2.47		17.29%	6.60%	4.39%	180.48	38.56%	2.35	0.96
2-3	1.59	1.40		0.76	0.76	1.42		18.91%	9.53%	6.14%	210.56	38.56%	2.51	1.20
3-4	2.01	1.59	2.00	0.34	0.34	0.84		19.99%	11.58%	7.38%	240.63	38.56%	2.50	1.52
4-5	2.50	1.79		0.12	0.12	0.52		20.71%	13.01%	8.25%	270.71	38.56%	2.39	1.89
5-6	3.07	2.00		0.00	0.00	0.33		21.17%	14.00%	8.86%	300.79	38.56%	2.24	2.93

Project at a Glance

BEP

BEP - Maximum Utilisation Year	5
Cash BEP (% of Installed Capacity)	61.32%
Total BEP (% of Installed Capacity)	63.70%

IRR, PAYBACK and FACR

Internal Rate of Return .. (In %age)	25.99%
Payback Period of the Project is (In Years)	2 Years 4 Months
Fixed Assets Coverage Ratio (No. of times)	8.015

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Silicone Emulsion

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Major Queries/Questions Answered in the Report?

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

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

- 9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up a Silicone Emulsion plant ?**
- 10. What are the requirements of raw material for setting up a Silicone Emulsion plant ?**
- 11. Who are the Suppliers and Manufacturers of Raw materials for setting up a Silicone Emulsion plant?**
- 12. What is the Manufacturing Process and Formulations of a Silicone Emulsion plant ?**

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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 Silicone Emulsion” provides an insight into the Silicone Emulsion market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of Silicone Emulsion project. The report assesses the market sizing and growth of the Indian Silicone Emulsion 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 Silicone Emulsion sector in India along with its business prospects. Through this report we have identified Silicone Emulsion project as a lucrative investment avenue.

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can provide Detailed Project Report on
Silicone Emulsion

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NIIR PROJECT CONSULTANCY SERVICES

An ISO 9001:2008 Company

Who are we?

- *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.

We bring deep, functional expertise, but are known for our holistic perspective: we capture value across boundaries and between the silos of any organization. We have proven a multiplier effect from optimizing the sum of the parts, not just the individual pieces. We actively encourage a culture of innovation, which facilitates the development of new technologies and ensures a high quality product.

What do we offer?

- *Project Identification*
- *Detailed Project Reports/Pre-feasibility Reports*
- *Market Research Reports*
- *Business Plan*
- *Technology Books and Directory*
- *Industry Trend*
- *Databases on CD-ROM*
- *Laboratory Testing Services*
- *Turnkey Project Consultancy/Solutions*
- *Entrepreneur India (An Industrial Monthly Journal)*

How are we different ?

- *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

Who do we serve?

- *Public-sector Companies*
- *Corporates*
- *Government Undertakings*
- *Individual Entrepreneurs*
- *NRI's*
- *Foreign Investors*
- *Non-profit Organizations, NBFC's*
- *Educational Institutions*
- *Embassies & Consulates*
- *Consultancies*
- *Industry / trade associations*

Sectors We Cover

- *Ayurvedic And Herbal Medicines, Herbal Cosmetics*
- *Alcoholic And Non Alcoholic Beverages, Drinks*
- *Adhesives, Industrial Adhesive, Sealants, Glues, Gum & Resin*
- *Activated Carbon & Activated Charcoal*
- *Aluminium And Aluminium Extrusion Profiles & Sections,*
- *Bio-fertilizers And Biotechnology*
- *Breakfast Snacks And Cereal Food*
- *Bicycle Tyres & Tubes, Bicycle Parts, Bicycle Assembling*

- *Bamboo And Cane Based Projects*
- *Building Materials And Construction Projects*
- *Biodegradable & Bioplastic Based Projects*
- *Chemicals (Organic And Inorganic)*
- *Confectionery, Bakery/Baking And Other Food*
- *Cereal Processing*
- *Coconut And Coconut Based Products*
- *Cold Storage For Fruits & Vegetables*
- *Coal & Coal Byproduct*

- *Copper & Copper Based Projects*
- *Dairy/Milk Processing*
- *Disinfectants, Pesticides, Insecticides, Mosquito Repellents,*
- *Electrical, Electronic And Computer based Projects*
- *Essential Oils, Oils & Fats And Allied*
- *Engineering Goods*
- *Fibre Glass & Float Glass*
- *Fast Moving Consumer Goods*
- *Food, Bakery, Agro Processing*

- *Fruits & Vegetables Processing*
- *Ferro Alloys Based Projects*
- *Fertilizers & Biofertilizers*
- *Ginger & Ginger Based Projects*
- *Herbs And Medicinal Cultivation And Jatropha (Biofuel)*
- *Hotel & Hospitality Projects*
- *Hospital Based Projects*
- *Herbal Based Projects*
- *Inks, Stationery And Export Industries*

- *Infrastructure Projects*
- *Jute & Jute Based Products*
- *Leather And Leather Based Projects*
- *Leisure & Entertainment Based Projects*
- *Livestock Farming Of Birds & Animals*
- *Minerals And Minerals*
- *Maize Processing(Wet Milling) & Maize Based Projects*
- *Medical Plastics, Disposables Plastic Syringe, Blood Bags*
- *Organic Farming, Neem Products Etc.*

- *Paints, Pigments, Varnish & Lacquer*
- *Paper And Paper Board, Paper Recycling Projects*
- *Printing Inks*
- *Packaging Based Projects*
- *Perfumes, Cosmetics And Flavours*
- *Power Generation Based Projects & Renewable Energy Based Projects*
- *Pharmaceuticals And Drugs*
- *Plantations, Farming And Cultivations*
- *Plastic Film, Plastic Waste And Plastic Compounds*
- *Plastic, PVC, PET, HDPE, LDPE Etc.*

- *Potato And Potato Based Projects*
- *Printing And Packaging*
- *Real Estate, Leisure And Hospitality*
- *Rubber And Rubber Products*
- *Soaps And Detergents*
- *Stationary Products*
- *Spices And Snacks Food*
- *Steel & Steel Products*
- *Textile Auxiliary And Chemicals*

Sectors We Cover *Cont...*

- *Township & Residential Complex*
- *Textiles And Readymade Garments*
- *Waste Management & Recycling*
- *Wood & Wood Products*
- *Water Industry(Packaged Drinking Water & Mineral Water)*
- *Wire & Cable*

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