

Castor Oil Manufacturing Business.
Castor Oil and Its Derivatives.
Emerging Investment Opportunities
in Vegetable Oil Industry.



Introduction

Castor oil is a colorless to very pale yellow liquid with a distinct taste and odor. Castor oil is a multi-purpose vegetable oil that people have used for thousands of years. It's made by extracting oil from the seeds of the *Ricinus communis* plant. These seeds, which are known as castor beans, contain a toxic enzyme called ricin. Castor oil and its derivatives are used in the manufacturing of soaps, lubricants, hydraulic and brake fluids, paints, dyes, coatings, inks, cold resistant plastics, waxes and polishes, nylon, pharmaceuticals and perfumes.



Castor oil is one of the most multipurpose plant oils, obtained by pressing the seed of the castor oil plant (*Ricinus communis*). It is well known source of a monounsaturated, ricin oleic and 18-carbon fatty acid. Owing to its unique chemical structure and rich properties,



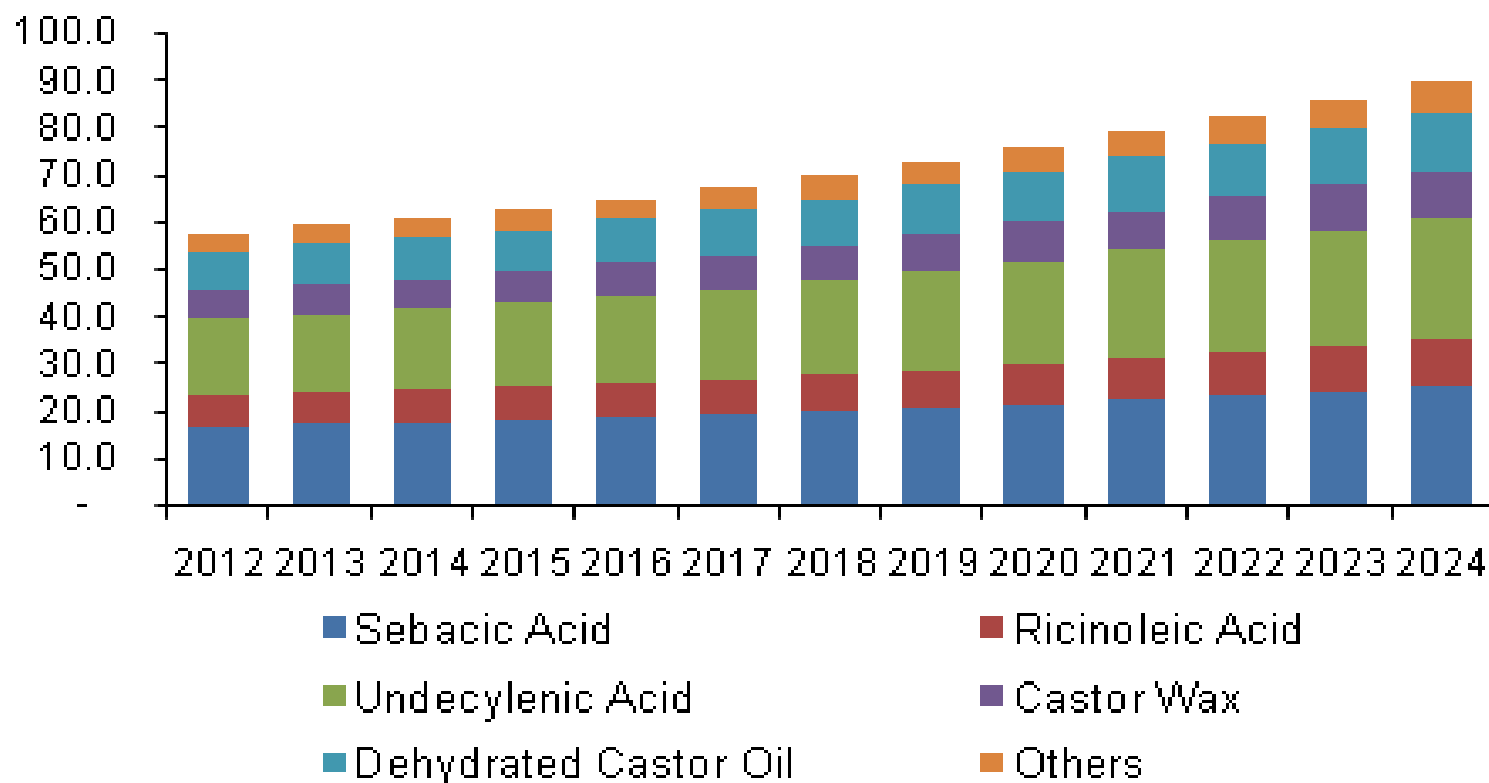
castor oil and its derivatives find uses in many industries such as cosmetics, food, lubricants, paints, agriculture, electronics & telecommunications, pharmaceuticals, perfumeries, plastics and rubber, inks & adhesives and textile chemicals. After plant oils, castor oil is considered to be the most required oil. However, growing concerns pertaining to biofuels specially biodiesel and biopolymer across the globe is pushing castor oil to play a much larger role in the world economy.



Market outlook

The global castor oil and its derivatives market is expected to post a CAGR of over 5% during the period 2018-2022. The global castor oil derivatives market is expected to grow owing to the factors such as growing demand from the end-use industries such as cosmetics, lubricants, and pharmaceuticals and the growing demand for the products that are biodegradable and sustainable, owing to the reduced petrochemicals dependence. The growth of the market is the increasing demand for castor oil and its derivatives in major end-use industries such as cosmetics, lubricants, and pharmaceuticals and the growing demand for the products that are biodegradable and sustainable, owing to the reduced petrochemicals dependence.

Castor oil and derivatives market volume 2014 - 2024 (Kilo Tons)



The growth of the market is the increasing demand for castor oil and its derivatives in major end-use industries. Castor oil derived from castor seeds is one of the major commercial feedstock for manufacturing a variety of industrial chemicals, which is used in pharmaceuticals, cosmetics, personal care, surfactants, lubricants, surface coatings, biodiesel, food and beverages, plastics and resins, and greases. Castor oil shows high viscosity, excellent thermal conductivity, high pour point, and density. This resulted in castor oil and its derivatives being used in textile, soaps, cosmetics, nylon fibers, bullet-proof glass, and bone prosthesis. India is the largest producer of castor seed and oil. It contributes about 8 lakh tons of castor seed with an approximate of 65% share and 3 lakh tons of castor oil with an approximate of 51 % share in the world total production.

India nearly consumes ¼th of its total production and exports the rest but it still is the second largest consumer in the world. The major sources of demand of castor oil are the various industries like soap, lubricant and paint industries and the demand of the oil is spread all across of country. This crop is grown over 6.25 lakh hectares of the country. India exports castor oil in two forms namely First Special grade and Castor Oil Commercial. This figure of exports from India is on a rising trend and much of the world's requirements are fulfilled by India only. The countries that imports castor oil from India are:-

- **European Union**
- **Japan**
- **China**
- **Thailand**



Key Players

Thai Castor Oil Industries Co. Ltd., Jayant Agro Organics, Hokoku Corporation, ITOH Oil Chemicals Co. Ltd., Gokul Overseas, Bom Brazil, Liaoyang Huaxing Chemical Co., Ltd., Kanak Castor Products Pvt. Ltd., and others. ArkemaGokul Agro Resources, Hokoku, Jayant Agro-Organics ,NK Industries, Thai Castor Oil Industries ITOH Oil Chemicals Co. Ltd., Taj Agro Products, NK Proteins, Adani Group, Bom Brazil, Tongliao TongHua Castor, Chemical Co. Ltd., RPK Agrotech

Machinery Photographs



Hammer Mill



Oil Press Machine



Filtration Unit



Reaction Vessel

Project at a Glance

COST OF PROJECT				MEANS OF FINANCE			
Particulars	Existing	Proposed	Total	Particulars	Existing	Proposed	Total
Land & Site Development Exp.	0.00	170.00	170.00	Capital	0.00	320.27	320.27
Buildings	0.00	207.25	207.25	Share Premium	0.00	0.00	0.00
				Other Type Share			
Plant & Machineries	0.00	473.30	473.30	Capital	0.00	0.00	0.00
Motor Vehicles	0.00	15.00	15.00	Reserves & Surplus	0.00	0.00	0.00
Office Automation Equipments	0.00	71.00	71.00	Cash Subsidy	0.00	0.00	0.00
Technical Knowhow Fees & Exp.	0.00	25.00	25.00	Internal Cash Accruals	0.00	0.00	0.00
Franchise & Other Deposits	0.00	0.00	0.00	Long/Medium Term Borrowings	0.00	960.80	960.80
Preliminary& Pre-operative Exp	0.00	5.00	5.00	Debentures / Bonds	0.00	0.00	0.00
Provision for Contingencies	0.00	45.00	45.00	Unsecured Loans/Deposits	0.00	0.00	0.00
Margin Money - Working Capital	0.00	269.51	269.51				
TOTAL	0.00	1281.06	1281.06	TOTAL	0.00	1281.06	1281.06

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	
	`	`	`	`	`	%	`	%	`	s	%
1-2	6.39	9.81	16.39	24.00	0.00	100.00	6.39	0.00	6.39	1.00	0.00
2-3	9.43	12.39	25.82	18.00	0.00	100.00	9.43	0.00	9.43	1.00	0.00
3-4	12.49	15.05	38.31	12.00	0.00	100.00	12.49	0.00	12.49	1.00	0.00
4-5	15.44	17.67	53.76	6.00	0.00	100.00	15.44	0.00	15.44	1.00	0.00
5-6	18.27	20.20	72.02	0.00	0.00	100.00	18.27	0.00	18.27	1.00	0.00



Project at a Glance

Year	D. S. C. R.			Debt / - Depos its Debt	Equity as- Equity	Total Net Wort h	Retur n on Net Worth	Profitability Ratio					Assets Turnov er Ratio	Curre nt Ratio
	Individ ual	Cumula tive	Over all					GPM	PBT	PAT	Net Contri bution	P/V Ratio		
	(Number of times)			(Number of times)		%	%	%	%	%		%		
Initi al				3.00	3.00									
1- 2	1.41	1.41		1.46	1.46	4.45		5.05%	2.73%	1.90%	1514.37	14.04%	3.80	1.11
2-3	1.74	1.57		0.70	0.70	2.89		5.68%	3.65%	2.40%	1618.84	12.87%	3.94	1.20
3-4	2.15	1.75	2.14	0.31	0.31	2.00		6.10%	4.33%	2.78%	1846.58	12.84%	3.93	1.31
4-5	2.63	1.94		0.11	0.11	1.46		6.38%	4.81%	3.06%	2074.32	12.82%	3.83	1.42
5-6	3.20	2.14		0.00	0.00	1.12		6.56%	5.14%	3.25%	2302.06	12.81%	3.69	1.66

Project at a Glance

BEP	
BEP - Maximum Utilisation Year	5
Cash BEP (% of Installed Capacity)	56.07%
Total BEP (% of Installed Capacity)	58.76%
IRR, PAYBACK and FACR	
Internal Rate of Return .. (In %age)	31.28%
Payback Period of the Project is (In Years)	2 Years 4 Months
Fixed Assets Coverage Ratio (No. of times)	29.510

Major Queries/Questions Answered in the Report?

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

5. What is the structure of the Castor oil and its derivatives Manufacturing Business and who are the key/major players ?

6. What is the total project cost for setting up Castor oil and its derivatives Manufacturing Business?

7. What are the operating costs for setting up Castor oil and its derivatives Manufacturing plant ?

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- **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**

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

Tags

**#Castor_oil,#Castor_oil_Manufacturing,
#Castor_oil_Production,#Castor_oil_Extraction, Castor oil Making
Process, #Castor oil _Production, Castor oil Manufacturing Process
Flowchart, Castor oil Extraction Process, Castor oil Extraction
Process Pdf, Castor oil Project Report, #How_to_Extract_Castor_oil,
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#Castor_oil_Production_Business, Manufacture of Castor oil, Castor
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Processing Unit, Castor oil Production Plant, Castor oil Extraction
Plant, Castor oil Manufacture, Planning to set up a Castor oil Factory
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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:

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- **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.

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](#)



Contact us

NIIR PROJECT CONSULTANCY SERVICES

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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

Contact us

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Thank You

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