

# ***Project Opportunities in Production of Calcium Propionate.***

## ***Fastest Growing & Best Industry for Starting a Business.***



# Introduction

Calcium propionate is the most commonly used bread preservative globally. It is an effective growth inhibitor of most molds and some bacteria. It is widely employed in bread and other yeast-based bakery goods to prevent mold and rope formation and to extend their normal shelf life. Calcium propionate is used as a preservative in a wide variety of products, including but not limited to bread, other baked goods, processed meat, whey, and other dairy products. In agriculture, it is used, amongst other things, to prevent milk fever in cows and as a feed supplement. Propionates prevent microbes from producing the energy they need, like benzoates do. However, unlike benzoates, propionates do not require an acidic environment.

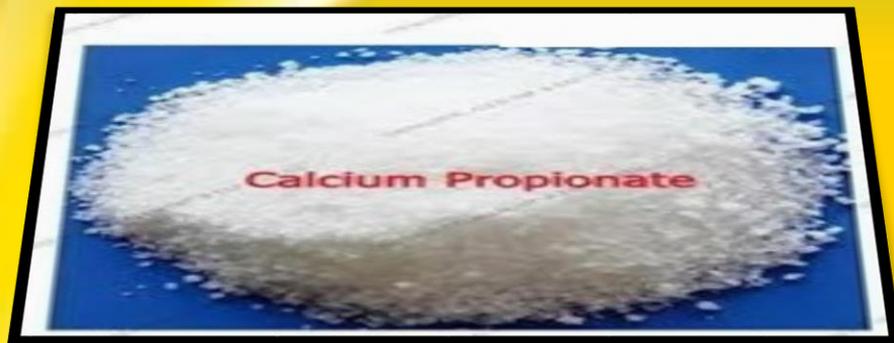


Calcium propionate is one of the safest food additives used by the food industry. Rats fed a diet containing nearly 4% calcium propionate for a year showed no ill effects. As a result, the U.S. Food and Drug Administration has placed no limitations on its use in foods. In addition to baked goods, it is commonly used as a preservative in chocolate products, processed cheeses, and fruit preserves. The tobacco industry has also used calcium propionate as a preservative in some of its products.



## Uses

Calcium propionate is a preservative commonly used in baked goods around the world. It works to extend the shelf life of baked goods by preventing mold and rosy bread bacteria growth. Mold inhibitor in pre-packed and sliced bread, Calcium propionate is used as a preservative in bread and other baked goods, and it may be combined with along with propionic acid and sodium propionate. Calcium propionate helps keep baked goods fresh by preventing mold and bacterial growth that would otherwise cause them to go bad.



## Market Outlook

The growing food industry is expected to fuel the demand for calcium propionate in the forecast period. Moreover, the changing lifestyle is affecting the food consumption habits of people and hence is expected to boost the calcium propionate market. The increasing demand for food preservation is anticipated to be one of the major demand driver in the global calcium propionate market in the near future. Growing concerns among the customers regarding hygiene and fresh food would help grow the calcium propionate market. R&D investments and proper expansion in the growing markets can create better opportunities for the global calcium propionate market players. The growing food industry in China and India is expected to boost the demand for calcium propionate in developing regions in the upcoming years. However,

the stringent regulations pertaining to quality and food safety is projected to restrain the global calcium propionate market. Local regulations should be checked for allowed applications and dosage levels. For example, calcium propionate is authorized for use in food and technology additives in Europe. However, the usage rates in Southeast Asia may be higher as compared to Europe as the conditions are more favorable for growth of spoilage organisms. Also, growing competition from other preservatives such as sodium propionate would be a threat for global calcium propionate market. The growing food industry is anticipated to fuel the global calcium propionate market during the forecast period. The changing food consumption pattern coupled with disposable income is expected to boost the calcium propionate market. Moreover, increasing demand for the processed and ready-to-eat food is likely to fuel the market growth in the coming future.

Calcium propionate is cost effective and relatively less toxic as compared to other substitutes such as sorbets and sulfites, which may further drive the market growth. Surging demand for the product in pharmaceuticals and cosmetics to inhibit microbial growth and prevent spoilage is also anticipated to favor the market growth during the years to follow. However, the shifting consumer patterns away from the consumption of food containing chemical additives and preservatives may hamper the market growth in the coming years. Global calcium propionate market is expected to witness high growth over the forecast period on account of growing consumer preferences for fresh food products. Increasing health concerns coupled with changing consumer lifestyle has prompted the use of calcium propionate in recent past. It is majorly used as a preservative in bakery products including bread, processed meat, baked products and various dairy products.

Calcium propionate also acts as antimicrobial agent for killing microorganisms such as bacteria, algae, viruses and fungi. The calcium propionate market is projected to grow at a CAGR of 5.6%, to reach a value of USD 363.3 million by 2023 from USD 277.1 million in 2018.



## Key Player

Niacet (US), ADDCON (Germany), Impextraco (Belgium), and Macco Organiques (Canada), Perstorp Holdings AB, Macco Organiques Inc., AB Mauri, Kemira and Niacet Corporation. Other companies are Addcon GmbH, Krishna Chemicals, A.M. Food Chemicals Co. Ltd., Impextraco NV, Ltd (China), ADDCON (Germany), Fine organics (India), Kemira Oyj (Finland), Impextraco NV (Belgium), Krishna Chemicals (India), Niacet (U.S), Macco Organiques inc (Czech Republic), Perstorp Orgnr (Sweden), Cargill Incorporated. (U.S), AB Mauri India Pvt.Ltd. (India), BASF SE (Germany), Triveni Chemicals (India), Kemin Industries, Inc. (USA), and Eastman Chemical Company (U.S).

# Machinery Photograph



**Storage Tanks**



**Elevator**



**Hopper**



**Centrifuge**

# 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	259.16	259.16
Buildings	0.00	358.50	358.50	Share Premium	0.00	0.00	0.00
				Other Type Share			
Plant & Machineries	0.00	322.70	322.70	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	59.25	59.25	Cash Subsidy	0.00	0.00	0.00
Technical Knowhow				Internal Cash			
Fees & Exp.	0.00	25.00	25.00	Accruals	0.00	0.00	0.00
Franchise & Other				Long/Medium Term			
Deposits	0.00	0.00	0.00	Borrowings	0.00	777.47	777.47
Preliminary & Pre-operative Exp	0.00	3.00	3.00	Debentures / Bonds	0.00	0.00	0.00
Provision for				Unsecured			
Contingencies	0.00	29.00	29.00	Loans/Deposits	0.00	0.00	0.00
Margin Money -							
Working Capital	0.00	54.18	54.18				
			1036.6				1036.6
TOTAL	0.00	1036.63	3	TOTAL	0.00	1036.63	3

# 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	5.38	9.21	15.38	24.00	0.00	100.00	5.38	0.00	5.38	1.00	0.00
2-3	8.07	11.41	23.45	18.00	0.00	100.00	8.07	0.00	8.07	1.00	0.00
3-4	10.73	13.65	34.19	12.00	0.00	100.00	10.73	0.00	10.73	1.00	0.00
4-5	13.32	15.88	47.51	6.00	0.00	100.00	13.32	0.00	13.32	1.00	0.00
5-6	15.82	18.07	63.34	0.00	0.00	100.00	15.82	0.00	15.82	1.00	0.00



# Project at a Glance

Year	D. S. C. R.			Debt / Equity - 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	1.34	1.34		1.56	1.56	2.29		13.19%	8.08%	5.62%	767.71	30.91%	1.93	0.96
2-3	1.63	1.48		0.77	0.77	1.32		14.96%	11.00%	7.22%	895.65	30.91%	2.09	1.25
3-4	1.97	1.63	1.97	0.35	0.35	0.78		16.14%	13.09%	8.40%	1023.60	30.91%	2.12	1.60
4-5	2.38	1.79		0.13	0.13	0.47		16.95%	14.58%	9.27%	1151.55	30.91%	2.07	1.99
5-6	2.87	1.97		0.00	0.00	0.29		17.48%	15.66%	9.91%	1279.50	30.91%	1.97	3.20



# Project at a Glance

BEP	
BEP - Maximum Utilisation Year	5
Cash BEP (% of Installed Capacity)	44.79%
Total BEP (% of Installed Capacity)	49.34%
IRR, PAYBACK and FACR	
Internal Rate of Return .. ( In %age )	25.78%
Payback Period of the Project is ( In Years )	2 Years 3 Months
Fixed Assets Coverage Ratio ( No. of times )	6.765

# Major Queries/Questions Answered in the Report?

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

**5. What is the structure of the Calcium Propionate Manufacturing Business and who are the key/major players ?**

**6. What is the total project cost for setting up Calcium Propionate Manufacturing Business?**

**7. What are the operating costs for setting up Calcium Propionate Manufacturing plant ?**

**8. What are the machinery and equipment requirements for setting up Calcium Propionate Manufacturing plant ?**

**9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up Calcium Propionate Manufacturing plant ?**

**10. What are the requirements of raw material for setting up Calcium Propionate Manufacturing plant ?**

**11. Who are the Suppliers and Manufacturers of Raw materials for setting up Calcium Propionate Manufacturing Business?**

**12. What is the Manufacturing Process of Calcium Propionate ?**

- 13. What is the total size of land required for setting up Calcium Propionate Manufacturing plant ?**
- 14. What will be the income and expenditures for Calcium Propionate Manufacturing Business?**
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**22. What are the Project financials of Calcium Propionate Manufacturing Business?**

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

# Tags

#Calcium\_Propionate\_Market, #Calcium\_Propionate\_Manufacturing\_Industry,  
#Calcium\_Propionate\_Manufacturing\_Plant,  
#Calcium\_Propionate\_Manufacturing\_Plant,  
calcium\_propionate\_manufacturing\_process,  
#Calcium\_Propionate\_Manufacturers\_Suppliers,  
#Method\_for\_manufacturing\_calcium\_propionate,  
#Calcium\_Propionate\_Manufacturing\_Plant, #Proposed\_manufacturing\_unit,  
#Global\_Calcium\_Propionate\_Market\_Insights,  
#Global\_Calcium\_Propionate\_Market\_Research\_Report, #How to Start  
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Based Profitable Projects,

#Calcium Propionate Processing Projects, Small Scale Calcium Propionate Processing Projects, Starting a Calcium Propionate Processing Business, How to Start a Calcium Propionate Production Business Calcium Propionate Based Small Scale Industries Projects, new small scale ideas in Calcium Propionate processing industry, Project report on Calcium Propionate processing industries, Detailed Project Report on Calcium Propionate, Project Report on Calcium Propionate, Pre-Investment Feasibility Study on Calcium Propionate, Techno-Economic feasibility study on Calcium Propionate, Feasibility report on Calcium Propionate Calcium Propionate, Free Project Profile on Calcium Propionate, Project profile on Calcium Propionate, Download free project profile on Calcium Propionate, Industrial Project Report, Start-up Business Plan for Calcium Propionate, Start Up India, Stand Up India,

Calcium Propionate Making Small Business Manufacturing, small scale Calcium Propionate making machine Calcium Propionate production line, Calcium Propionate making machine factory, modern small and cottage scale industries, profitable small and cottage scale industries, Setting up and opening your Calcium Propionate Business, How to Start a Calcium Propionate? , How to start a successful Calcium Propionate business

**Niir Project Consultancy Services (NPCS)**  
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## Reports:

### ▪ Detailed Project Reports

**NPCS is manned by engineers, planners, specialists, financial experts, economic analysts and design specialists with extensive experience in the related industries.**

**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.**

**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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# 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

## NIIR PROJECT CONSULTANCY SERVICES

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Take a look at NIIR PROJECT CONSULTANCY SERVICES on #StreetView

<https://goo.gl/VstWkd>



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**Thank  
You**

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