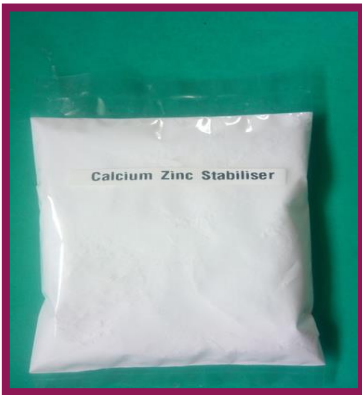


Calcium & Zinc

Stabilizers

Manufacturing Business



Introduction

Calcium-based stabilizers (including Ca-Zn) are largely used in wires and cables, in window and technical profiles (also foamed ones), and in any type of pipes (such as soil and sewer pipes, foam core pipes, pressure pipes, corrugated pipes, land drainage pipes and cable ducting) as well as the corresponding fittings.



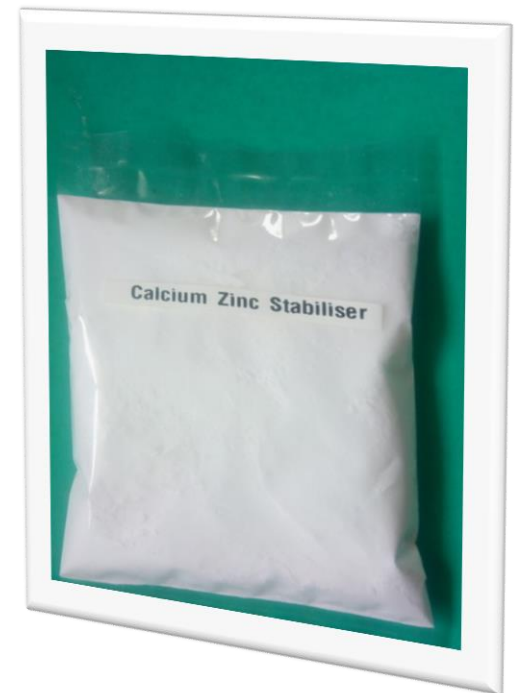
Calcium-based stabilizers have also been introduced in PVC rigid calendering film production when improved organoleptics characteristics are required, for instance as alternative to tin mercaptides in transparent food packaging application or as alternative to tin carboxylates in PVC blown films shrinkable and for candy wrap. Similarly, calcium-based stabilizers are now an alternative to Liquid Mixed Metals (LMM) for several flexible applications, especially for the indoor ones, when stringent air quality requirements are in place (VOC).



Calcium Zinc Stabilizers are widely used in PVC rigid and flexible objects. Calcium Zinc Stabilizers are used for manufacturing products like pipes, medical applications, footwear, cables, profiles, as it is a metal free stabilizer. Calcium Zinc Stabilizers are also suitable for non-toxic and food grade PVC items that require FDA and/or similar approval, under food regulatory acts. With high heat stability, it also provides low odour and the most compelling attribute of Calcium Zinc Stabilizers is that they are highly cost effective.



The use of calcium/zinc stabiliser systems has been common in PVC. Because of the characteristics of calcium/zinc stabilised materials they are widely used in many flexible and rigid PVC applications. This type of stabilising system can give products which have a high degree of clarity, good mechanical and electrical properties, excellent organoleptic properties and good outdoor weatherability.



Calcium Zinc Stabilizer is stringently tested on various parameters of quality in order to ensure quality. Offered range can be used in wide range of applications such as toys, healthcare products, such as blood bags, semi-rigid and flexible foil for food packaging. Calcium/zinc stabilizers have been used in a wide range of applications. These include toys, health care products, such as blood bags, semi-rigid and flexible foil for food packaging, bottles for potable water, as well as for potable water pipe.



Features:

- **Stable**
- **Longer shelf life**
- **No side effects**
- **Best results**
- **Hygienically processed**
- **Free from impurities**
- **Balanced composition**



Application:- PVC pipes -fitting, electric wire and cable, uPVC pipes-fittings, PVC clothing, PVC furniture, PVC medical tubes and parts, PVC flooring, PVC door-window, PVC footwear, PVC stretch film, PVC celuka foam board/sheet and other many application. Calcium-Zinc based stabilizers (Ca-Zn) are new generation stabilizers which gained importance in PVC market.



Market Outlook

The global market for stabilizers to increase to approx. US\$5.3 billion in 2021. Calcium Zinc stabilizer for PVC are used direct or combination to prevent the various effect such direct or indirect impact of heat and ultraviolet light. This is lead free stabilizer so from last 10 to 15 year due to health and environmental concern. Its consumption is increasing in Europe, USA and Asia.

Calcium, zinc and lead are among dominant product segment for stabilizers. Calcium based stabilizers dominate the global demand for stabilizers and the trend is anticipated to continue during the forecast period.

Cadmium based stabilizers dominated the global demand for stabilizers however owing to environmental concerns; cadmium was completely substituted with other materials such as lead. Calcium and zinc stabilizers not only have good compatibility and control of viscosity, but also provide good initial coloring and color retention.

Major players in the stabilizer market include Eastman Chemical Products Inc., BASF Wyandotte Corp., Chemipro Kasei Kaisha LTD and American Cyanamid Co. among others.





Machinery Photographs



JACKETED REACTOR



MIXING TANK



CENTRIFUGE FILTER



THERMOPACK

Project at a Glance

COST OF PROJECT				MEANS OF FINANCE			
Particulars	Existin g	Propose d	Total	Particulars	Existin g	Propos ed	Total
Land & Site							
Development Exp.	0.00	27.00	27.00	Capital	0.00	41.28	41.28
Buildings	0.00	50.60	50.60	Share Premium	0.00	0.00	0.00
				Other Type Share			
Plant & Machineries	0.00	38.50	38.50	Capital	0.00	0.00	0.00
Motor Vehicles	0.00	6.00	6.00	Reserves & Surplus	0.00	0.00	0.00
Office Automation							
Equipments	0.00	19.00	19.00	Cash Subsidy	0.00	0.00	0.00
Technical Knowhow				Internal Cash			
Fees & Exp.	0.00	5.00	5.00	Accruals	0.00	0.00	0.00
Franchise & Other				Long/Medium Term			
Deposits	0.00	0.00	0.00	Borrowings	0.00	123.85	123.85
Preliminary& Pre-				Debentures /			
operative Exp	0.00	1.00	1.00	Bonds	0.00	0.00	0.00
Provision for				Unsecured			
Contingencies	0.00	3.50	3.50	Loans/Deposits	0.00	0.00	0.00
Margin Money -							
Working Capital	0.00	14.54	14.54				
TOTAL	0.00	165.14	165.14	TOTAL	0.00	165.14	165.14

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	
	`	`	`	`	`	%	`	%	`		%
1-2	5.51	9.05	15.51	24.00	0.00	100.00	5.51	0.00	5.51	1.00	0.00
2-3	8.80	11.91	24.31	18.00	0.00	100.00	8.80	0.00	8.80	1.00	0.00
3-4	11.99	14.72	36.30	12.00	0.00	100.00	11.99	0.00	11.99	1.00	0.00
4-5	15.02	17.43	51.32	6.00	0.00	100.00	15.02	0.00	15.02	1.00	0.00
5-6	17.87	20.00	69.19	0.00	0.00	100.00	17.87	0.00	17.87	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 Contr ibutio n	P/V Ratio		
	(Number of times)			(Number of times)		%	%	%	%	%		%		
Initial				3.00	3.00									
1-2	1.33	1.33		1.55	1.55	2.49		12.67 %	6.77%	4.62 %	188.4 3	38.3 0%	2.24	1.03
2-3	1.69	1.50		0.74	0.74	1.44		14.61 %	9.73%	6.33 %	214.8 4	37.4 3%	2.39	1.28
3-4	2.11	1.68	2.09	0.33	0.33	0.86		15.91 %	11.80 %	7.55 %	245.4 1	37.4 1%	2.38	1.60
4-5	2.59	1.88		0.12	0.12	0.54		16.75 %	13.24 %	8.40 %	275.9 8	37.4 0%	2.29	1.97
5-6	3.17	2.09		0.00	0.00	0.35		17.28 %	14.22 %	9.00 %	306.5 5	37.3 9%	2.15	2.95

Project at a Glance

BEP

BEP - Maximum Utilisation Year	5
Cash BEP (% of Installed Capacity)	58.82%
Total BEP (% of Installed Capacity)	61.68%
IRR, PAYBACK and FACR	
Internal Rate of Return .. (In %age)	28.41%
Payback Period of the Project is (In Years)	2 Years 3 Months
Fixed Assets Coverage Ratio (No. of times)	8.653

Major Queries/Questions Answered in the Report?

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

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

- 9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up Calcium & Zinc Stabilizers Manufacturing plant ?**
- 10. What are the requirements of raw material for setting up Calcium & Zinc Stabilizers Manufacturing plant ?**
- 11. Who are the Suppliers and Manufacturers of Raw materials for setting up Calcium & Zinc Stabilizers Manufacturing Business?**
- 12. What is the Manufacturing Process of Calcium & Zinc Stabilizers?**

- 13. What is the total size of land required for setting up Calcium & Zinc Stabilizers Manufacturing plant ?**
- 14. What will be the income and expenditures for Calcium & Zinc Stabilizers Manufacturing Business?**
- 15. What are the Projected Balance Sheets of Calcium & Zinc Stabilizers Manufacturing plant ?**
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- 17. What is the Built up Area Requirement and cost for setting up Calcium & Zinc Stabilizers Manufacturing Business?**

- 18. What are the Personnel (Manpower) Requirements for setting up Calcium & Zinc Stabilizers Manufacturing Business?**
- 19. What are Statistics of Import & Export for Calcium & Zinc Stabilizers?**
- 20. What is the time required to break-even of Calcium & Stabilizers Manufacturing Business?**
- 21. What is the Break-Even Analysis of Calcium & Zinc Stabilizers Manufacturing plant?**
- 22. What are the Project financials of Calcium & Zinc Stabilizers Manufacturing Business?**

- 23. What are the Profitability Ratios of Calcium & Zinc Stabilizers Manufacturing Project?**
- 24. What is the Sensitivity Analysis-Price/Volume of Calcium & Zinc Stabilizers Manufacturing plant?**
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Tags

#Calcium_Zinc_Stabilizer_Manufacture, #Calcium_Zinc_Stabilizer_Formulation,
Calcium/Zinc Stabilizer, #Calcium_Zinc_Stabilizer_Industry,
#Calcium_Zinc_Stabilizers_Manufacture in India, Manufacture of Calcium-Zinc
stabilizers, Calcium Zinc Stabilizer (CaZn), Calcium/zinc stabilizers for PVC Pressure
Pipe, Stabilizer Manufacture, #Calcium_Zinc_Stabilizer_Manufacturing, Ca/Zn Based
Stabilizers, Powder Calcium Zinc Stabilizer, Project Report on Calcium Zinc Stabilizer
Manufacturing Industry, Detailed Project Report on Calcium Zinc Stabilizer
Manufacture, #Project_Report_on_Calcium_Zinc_Stabilizer_Manufacturing, Pre-
Investment Feasibility Study on Calcium Zinc Stabilizer Manufacturing, Techno-
Economic feasibility study on Calcium Zinc Stabilizer Manufacturing,
#Feasibility_report_on_Calcium_Zinc_Stabilizer_Manufacturing, Free Project Profile on
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