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

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MIXING TANK

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## Project at a Glance

### COST OF PROJECT

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<th>Particulars</th>
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## Project at a Glance

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### Project at a Glance

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<th>Equity as Equities</th>
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## Project at a Glance

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<tr>
<td><strong>Total BEP (% of Installed Capacity)</strong></td>
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<tr>
<td><strong>IRR, PAYBACK and FACR</strong></td>
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<td><strong>Internal Rate of Return .. ( In %age )</strong></td>
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<td><strong>Payback Period of the Project is .. ( In Years )</strong></td>
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<td><strong>Fixed Assets Coverage Ratio ( No. of times )</strong></td>
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</table>
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?

16. What are the requirement of utilities and overheads for setting up Calcium & Zinc Stabilizers Manufacturing plant?

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?

25. What are the Projected Pay-Back Period and IRR of Calcium & Zinc Stabilizers Manufacturing plant?

26. What is the Process Flow Sheet Diagram of Calcium & Zinc Stabilizers Manufacturing project?
27. What are the Market Opportunities for setting up Calcium & Zinc Stabilizers Manufacturing plant?

28. What is the Market Study and Assessment for setting up Calcium & Zinc Stabilizers Manufacturing Business?

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1.1.2. Physical Characteristics
1.1.3. Climate and Rainfall
1.1.4. Map
1.1.5. Economy and Industry
1.1.6. Transport

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3.1. PROPERTIES
3.2. APPLICATIONS ON TYPE OF STABILISERS
3.3. USE
3.4. APPLICATIONS

4. CALCIUM STEARATE
4.1. PROPERTIES
4.2. USES

5. ZINC STEARATE
5.1. PROPERTIES
5.2. APPLICATIONS

6. B.I.S. SPECIFICATIONS
6.1. IS 701~ZINC CHLORIDE
6.2. IS 376~SODIUM HYDROXIDE, ANALYTICAL REAGENT
6.3. IS 1314~CALCIUM CHLORIDE
6.4. IS 1675~STEARIC ACID, TECHNICAL

7. MARKET SURVEY

8. EXPORT & IMPORT: ALL COUNTRIES
8.1. EXPORT: ALL COUNTRIES
8.2. IMPORT: ALL COUNTRIES

9. EXPORT & IMPORT STATISTICS OF INDIA
9.1. EXPORT STATISTICS ON CALCIUM-ZINC STABILIZERS
9.2. IMPORT STATISTICS ON CALCIUM-ZINC STABILIZERS

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10.1. FOR CALCIUM STEARATE
10.2. FOR ZINC STEARATE
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11. PROCESS FLOW DIAGRAM
12. LICENSE REQUIRED

12.1. PROVISIONAL REGISTRATION
12.2. PERMANENT/FINAL REGISTRATION
12.3. FACTORY LICENCE

13. SUPPLIERS OF PLANT & MACHINERY

14. SUPPLIERS OF RAW MATERIALS

15. PHOTOGRAPHS/IMAGES FOR REFERENCES

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15.2. PLANT & MACHINERY PHOTOGRAPHS
15.3. PRODUCT PHOTOGRAPHS

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Project Financials

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- Plant Economics
- Production Schedule
- Land & Building

Factory Land & Building
Site Development Expenses

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  - Indigenous Machineries
  - Other Machineries (Miscellaneous, Laboratory etc.)

• **Other Fixed Assets**
  - Furniture & Fixtures
  - Pre-operative and Preliminary Expenses
  - Technical Knowhow
  - Provision of Contingencies

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  - Raw Material
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  - Consumable Store
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  Selling and Distribution Expenses

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  Preference Share Capital
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- Expenses/Cost of Products/Services/Items
- Gross Profit
- Financial Charges
- Total Cost of Sales
- Net Profit After Taxes
- Net Cash Accruals
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- Current Assets
- Gross Working Capital
- Current Liabilities
- Net Working Capital
- Working Note for Calculation of Work-in-process

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- RONW (Average of Share Capital)
- ROI (Average of Total Assets)

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- D.S.C.R
- Earnings Per Share (EPS)
- Debt Equity Ratio
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- Semi-Variable/Semi-Fixed Expenses
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- Fixed Expenses / Cost
- B.E.P
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- Resultant N.P.B.T
- Resultant D.S.C.R
- Resultant PV Ratio
- Resultant DER
- Resultant ROI
- Resultant BEP
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  ▪ Preference Share Capital
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  ▪ Determined Capacity P.A of Products/Services
  ▪ Achievable Efficiency/Yield % of Products/Services/Items
  ▪ Net Usable Load/Capacity of Products/Services/Items
  ▪ Expected Sales/ Revenue/ Income of Products/ Services/ Items
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• Annexure 15 :: Total Raw Material Cost

• Annexure 16 :: Raw Material Cost per unit

• Annexure 17 :: Total Lab & ETP Chemical Cost

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• Annexure 19 :: Packing Material Cost

• Annexure 20 :: Packing Material Cost Per Unit
• Annexure 21 :: Employees Expenses
• Annexure 22 :: Fuel Expenses
• Annexure 23 :: Power/Electricity Expenses
• Annexure 24 :: Royalty & Other Charges
• Annexure 25 :: Repairs & Maintenance Expenses
• Annexure 26 :: Other Manufacturing Expenses
• Annexure 27 :: Administration Expenses
• Annexure 28 :: Selling Expenses
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Calcium/Zinc Stabilizer, #Calcium_Zinc_Stabilizer_Manufacture, Calcium/Zinc Stabilizer Formulation, Manufacture of Calcium-Zinc stabilizers, Calcium Zinc Stabilizer (CaZn), Calcium/zinc stabilizers for PVC Pressure Pipe, Stabilizer Manufacture, Calcium/Zinc Stabilizers Manufacture in India, Manufacture of Calcium-Zinc stabilizers, Calcium/Zinc Stabilizers Manufacturing Industry, Detailed Project Report on Calcium Zinc Stabilizer Manufacturing Industry, Project Report on Calcium Zinc Stabilizer Manufacturing, #Calcium_Zinc_Stabilizer_Manufacturing, Ca/Zn Based Stabilizers, Powder Calcium Zinc Stabilizer, 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 Calcium Zinc Stabilizer Manufacturing, Project profile on Calcium Zinc Stabilizer Manufacturing, #Download_free_project_profile_on_Calcium_Zinc_Stabilizer_Manufacturing
Niir Project Consultancy Services (NPCS) can provide Detailed Project Report on Calcium & Zinc Stabilizers Manufacturing Business

See more

Contact us

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- https://twitter.com/npcs_in
- https://www.pinterest.com/npcsindia/
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