



CALCIUM STEARATE

◆ 1. PRODUCT AND COMPANY DESCRIPTION

- **The name of firm:** Epoch Master GLOBAL BUSINESS(JIANGSU)INC.
- **Address:** Rm.3-93,Tengfei Building,No.88 Jiangmiao Rd., Research and Innovation Park, Nanjing Zone,(Jiangsu) Pilot Free Trade Zone ,China.
- **Chemical Name or Synonym:** Calcium Acetate; Calcium diacetate
- **Molecular Formula:** $\text{Ca}(\text{C}_2\text{H}_3\text{O}_2)_2$
- **EC No.:** 200-540-9
- **Molecular weight** 158.17
- **Order Online:** www.epoch-master.com

◆ 2.COMPOSITION/INFORMATION ON INGREDIENTS

- **Product Name:** Calcium stearate
- **CAS Number** [1592-23-0]
- **Physical Appearance and Odor:** White to yellow-white powder, microglossy crystalline solid or semi-solid or loose powder, delicate, sand-free sense.

◆ 3. HAZARDS IDENTIFICATION

- **Route of invasion:** inhaled, ingested, and absorbed via skin.
- **Hazard statement:** swallowing is harmful, causing skin irritation, causing severe eye irritation, and may cause respiratory irritation.
- **Health hazards:** rats inhaled this product for a long time, and fibers or bronchiectasis around the bronchus can be seen. Long-term inhalation of this product dust may cause pulmonary fibrosis pneumoconiosis change.
- **environmental hazards:** harmful to the environment.
- **explosion risk:** flammable, its dust and air mixed, can form an explosive mixture.
- **Warning:** Avoid inhaling dust, smoke, gas; thoroughly clean skin after operation; do not eat or smoke when using this product; use in a well-ventilated place; wear protective gloves, eye shields and face shields.

◆ 4. FIRST AID MEASURES

- **Skin contact:** remove contaminated clothing, rinse skin thoroughly with flowing water or saline, and consult a doctor if you feel unwell.
- **Eye contact:** rinse with flowing water or saline, if uncomfortable, consult a doctor
- **Inhalation:** quickly break away from the site to the fresh air of the air. If there is any



discomfort, see a doctor.

- **Ingestion** drink enough water, urge vomiting, if you feel uncomfortable, go to a doctor.

◆ 5. FIRE FIGHTING MEASURES

- **Dangerous characteristics:** in the event of open fire, high heat can burn
- **Harmful combustion products:** carbon monoxide, calcium oxide
- **Fire-extinguishing method:** It can be used for fire-fighting with atomized water foam, dry powder, carbon dioxide and sand.
- **Fire fighting precautions and measures:** firefighters must wear air respirators, wear full-body fire and antivirus clothing, put out the fire in the upper wind, and transfer the container from the fire site to the open place as much as possible until the end of the fire.

◆ 6. ACCIDENTAL RELEASE MEASURES

- **Emergency action:** eliminate all sources of ignition, evacuate unrelated personnel from the side wind and upward wind to the safe area, suggested that emergency personnel wear positive pressure self-contained respirator, wear antivirus and antistatic clothing. all equipment used in operation should be grounding and prohibited from touching or crossing leakage. Prevent leakage into water- ways, sewers, basements or closed spaces.
- **Small leakage:** absorb with sand or other non-combustible materials, use clean non-spark tools to collect absorption materials.
- **Massive leakage:** build a berm or dig a pit to collect, absorb a large amount of liquid with dust or lime powder, cover with foam, and reduce evaporation.

◆ 7. HANDLING AND STORAGE

- **Operational considerations:** Closed operation, strengthen ventilation, operators must go through special training, strictly abide by the operating rules. Operators are advised to wear self-priming filter dustproof masks, chemical safety glasses, away from fire, heat sources, and smoking is strictly prohibited in the workplace. use of explosion-proof ventilation system and equipment to avoid dust, avoid contact with oxidant, handling should be light loading and light unloading, to prevent packaging and container damage, equipped with the corresponding variety and quantity of fire equipment and leakage emergency treatment equipment, emptied containers may be harmful.

◆ 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- **Engineering control:** the production process is closed and the ventilation is enhanced.
- **Respiratory protection:** when the dust concentration in the air is high, it is recommended to wear a filter dust respirator.
- **Eye protection:** if necessary, wear chemical safety protective glasses.



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- **Physical protection:** wear general working protective clothing.
 - **Hand protection:** Wear general operation protective gloves.
 - **Other protective measures:** smoking, eating and drinking are prohibited at the work site. After the work is completed, the clothes are washed and changed, and good hygiene habits shall be maintained.

◆ 9. PHYSICAL AND CHEMICAL PROPERTIES

- **Physical Appearance:** The pure product is white crystal powder, the ordinary product is white slightly yellow powder material.
- **Odor:** odorless
- **pH:** non-available
- **Solubility:** insoluble in water, ethanol and ether.
- **Melting Point :** non-available
- **Relative density:** 1.03g/cm³
- **boiling point:** 135~160°C
- **Formula weight** 607.03
- **Flash(ing) point** non-available
- **Ignition temperature** 400°C

◆ 10. STABILITY AND REACTIVITY

- **Chemical Stability:** This material is stable under normal handling and storage conditions described in Section 7.
- **Hazardous Polymerization** Will Not Occur.
- **Avoid The Following To Inhibit Hazardous Polymerization:** Not applicable
- **Prohibited substances:** Strong oxidant.
- **Decomposition products:** calcium oxide

◆ 11. TOXICOLOGICAL INFORMATION

- **Exposure or contact effects:** excessive exposure or exposure results in a slight irritation response.
- **Carcinogenicity:** there are no components greater than or equal to 0.1% in this product identified as possible or positive human carcinogens.
- **Potential health effects:** inhalation may be harmful and may cause respiratory irritation; oral administration is harmful; entering the eye can cause eye irritation.

◆ 12. ECOLOGICAL INFORMATION

- The natural non-toxic material is harmless to the environment.



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- **ecotoxicity innumerable** :No data
 - **persistence and degradability**: No data
 - **potential bioaccumulation**: No data
 - **Migration in soil** No data
 - **pbt and vpvb results Evaluation of countless**:No data
 - **other adverse effects**: No data

◆ 13. DISPOSAL CONSIDERATIONS

- **Waste treatment method** Hand over the remaining and unrecovered solutions to the treatment company. Contact a professional agency with a waste disposal license to dispose of the substance. Dissolve or mix with flammable solvents, burn contaminated containers and packages in chemical incinerators with post-combustion treatment and washing as unused products. (Note: Please refer to relevant national and local regulations before processing)

◆ 14. TRANSPORTATION INFORMATION

- The listed Transportation Classification does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors.
- **Transportation considerations**:The shipment package should be complete, the loading should be safe, the container should not leak, collapse, fall, no damage, it is strictly prohibited to mix with oxidant and other mixed transportation, in the course of transportation should be explosion-proof sun and rain, high temperature protection.

◆ 15. REGULATORY INFORMATION

- Regulations on the Regulation of the Safety of the Safety of Chemical Dangerous Goods、 the Detailed Rules for the Implementation of the Regulations on the Safety of the Safety of Chemical Dangerous Goods 、 corresponding regulations are made for the use, production, storage, transportation, loading and unloading of chemical dangerous goods.

◆ 16. OTHER INFORMATION

- The above information is considered correct, but does not contain all the information and is used only as a guide. The information in this document is based on what we know and applies to this product as a positive safety tip. This information does not represent a guarantee of the nature of the product.