



CALCIUM ACETATE

◆ 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 Acetate
- **CAS Number** [62-54-4]
- **EINECS Number:**[200-540-9]
- **Physical Appearance and Odor:** White fine loose powder, odorless, slightly bitter.

◆ 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.
- **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

- **General advice:** consult a doctor and show the safety instructions to the doctor.
- **Skin contact:** Wash with soapy water and plenty of water.
- **Eye contact:** lift the eyelids and rinse with flowing water or saline. as a preventive measure . Seek medical treatment.
- **Inhalation:** if inhaled, transfer the patient to fresh air; if breathing stops, artificial respiration and medical treatment.
- **Ingestion:** Do not feed any thing through the mouth, rinse the mouth with water.
- **The main symptoms and effects** : acute and delayed effects of long-term or frequent exposure



can lead to hypoglycemia; as far as we know, this chemical, physical and toxic properties havenot been fully studied.

◆ 5. FIRE FIGHTING MEASURES

- **Fire-extinguishing method and fire-extinguishing agent:** fire-extinguishing with water mist, anti-ethanol foam, dry powder or carbon dioxide.
- **A particular hazard derived from this substance or mixture:** calcium oxide, Carbon oxide , oxysulfide sulfoxide.
- **Advice to firemen:** If necessary, wear protective clothing, wear self-contained breathing apparatus to save fire.

◆ 6. ACCIDENTAL RELEASE MEASURES

- **Emergency treatment:** Avoid dust generation, avoid the suction of steam, smoke or gas, and do not allow the product to enter the sewer.
- **Evacuation Procedures and Safety:** Ventilate closed spaces before entering. Wear appropriate protective gear for the situation. See Personal Protection information in Section 8.
- **Isolate leakage contaminated areas and restrict access** It is recommended that emergency personnel wear dust masks (full masks) and general work clothes. Avoid dust, sweep carefully and transfer to a safe place in a bag. If there is a lot of leakage, cover it with plastic cloth and canvas. Collect, recycle or ship to waste disposal place.

◆ 7. HANDLING AND STORAGE

- **Handling:** Avoid touching the skin and eyes. Prevent dust and aerosol formation. Provide suitable exhaust equipment where dust is generated. General fire protection measures. The packing should be complete and the loading should be safe at the time of shipment. During transportation, it is necessary to ensure that the container does not leak, collapse, fall or damage. Mixed transportation with acids and other types is strictly prohibited.
- **Storage:** Closed operation, pay attention to ventilation. Operators must be specially trained and strictly abide by the operating rules. Operators are advised to wear self-priming filter dustproof masks and chemical safety protective glasses , Avoid dust , Stored in a cool, dry place.



◆ 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- **Exposure control:** there are no known national exposure limits, appropriate technical controls, and operate in accordance with good industrial and safety specifications.
- **Eye / face protective:** safety glasses with protective side cover meet EN166 requirements please use equipment tested and approved by official standards such as NIOSH (USA) or EN166 (EU) to protect eyes.
- **Skin protection:** gloves must be examined before use. Please use the appropriate method to remove gloves (do not touch the external surface of gloves) to avoid any skin contact with this product. After use, please handle the contaminated gloves carefully in accordance with the relevant laws and regulations and effective laboratory rules and procedures. Please clean and dry the protective gloves selected by the hands must comply with the 89/686/EEC requirements of EU and the EN 376 standard derived from it.
- **Body protection:** Full anti - chemical reagent work clothes , The type of protective equipment must be selected according to the concentration and content of dangerous substances in a particular workplace.
- **Respiratory protection:** if you need to be exposed to harmful environments , please use P95 (United States) or P1 (EU UK 143) particulate respirator. For higher levels of protection, use OV/AG/P99 (USA) or ABEK- P 2 (EU UK 143) antiviral cans. Respirators use respirators and parts that have been tested and passed government standards such as NIOSH (US) or CEN(EU).

◆ 9. PHYSICAL AND CHEMICAL PROPERTIES

- **Physical Appearance:** White fine loose powder.
- **Odor:** odorless , mildly bitter flavor
- **pH:** 7.2~8.2
- **Solubility:** Soluble in water and slightly soluble in ethanol
- **Melting Point :** 160°C
- **Relative density:** 1.5g/cm³
- **boiling point:** 117. 1°C at 760mmHg
- **Formula weight :** 176.18
- **Flash(ing) point:** 160°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
- **Incompatible materials:** strong oxidizing agent

◆ 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.
- **Post-contact symptoms:** long-term or frequent contact can result in hypoglycaemia, which, as we know, has not yet been fully investigated.
- **Registration of toxic effects of chemical substances:**NS1225000

◆ 12. ECOLOGICAL INFORMATION

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



◆ 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.
- **European land hazard code:** non-dangerous goods
- **international maritime hazard code:** non-dangerous goods
- **international air hazard code:** non-dangerous goods

◆ 15. REGULATORY INFORMATION

- **calcium acetate ecological data:** Do not allow undiluted or large quantities of products to contact ground water, watercourses or sewage systems for slightly hazardous water, and do not discharge the material into the surrounding ring if anarchy permits

◆ 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.