



CALCIUM SILICATE

◆ 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

Emergency Phone Numbers: 13770711448

- **Chemical Name or Synonym:**Calcium Silicate、 active calcium silicate、 Calcium metasilicate.
- **Molecular Formula:**CaSiO₃
- **EC No.:** 215-710-8
- **Order Online:** <http://www.epoch-master.com>

◆ 2.COMPOSITION/INFORMATION ON INGREDIENTS

- **Product Name:**Calcium Silicate
- **CAS Number :** [471-34-1]
- **EINECS Number:**215-710-8
- **Physical Appearance and Odor:**White or cream-colored powder, odourless.

◆ 3. HAZARDS IDENTIFICATION

- **Route of invasion:** inhaled, ingested, and absorbed via skin.
- **Health hazards:** workers engaged in mining and processing often appear upper respiratory tract inflammation, bronchitis, can be accompanied by emphysema. X-ray chest film appeared lymph node calcification, lung texture enhancement. Pneumoconiosis is mainly related to silica impurities in this product.

◆ 4. FIRST AID MEASURES

- **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.
- **Main symptoms and effects, acute and eating effects:** as far as we know, this chemical, physical and toxic properties have not yet been fully studied.



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◆ 5. FIRE FIGHTING MEASURES

- **Fire-extinguishing method and fire-extinguishing agent:** fire-extinguishing with watermist, anti-ethanol foam, dry powder or carbon dioxide.
- **Aparticular hazard derived from this substance or mixture:** calcium oxide, silica.
- **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:** Provide suitable exhaust equipment where dust is generated. 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. Avoid contact with acids. It should be stored separately from acids.

◆ 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- **Engineering control:** closed operation, pay attention to ventilation.
- **Respiratory protection:** when the concentration of dust in the air is high, it is recommended to wear a self-priming filter dust mask.
- **Eye protection:** wear eyes for chemical protection.



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- **Physical protection:** wear general working protective clothing.
- **Hand protection:** wear general work protective gloves.
- **Other:** timely change of work clothes, pay attention to personal hygiene.

◆ 9. PHYSICAL AND CHEMICAL PROPERTIES

- **Physical Appearance:** White or grayish white mobile powder
- **Odor:** odorless.
- **pH:** Not Applicable
- **Solubility:** insoluble in water
- **Melting Point :** indeterminate
- **Relative density:** 2.9g/ml at 25°C
- **boiling point:** 1540°C
- **Formula weight:** 172.2

◆ 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
- **Taboos :** strong acid

◆ 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.
- Registration of toxic effects of chemical substances: vv9150000 .

◆ 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**

- Leave the remaining and non-recoverable solution to a licensed company. Contaminated containers and packages To be installed at the unused product.

◆ **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 silicate 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.

佰舸斯达国际贸易（江苏）有限公司
EPOCH MASTER GLOBAL BUSINESS (JIANGSU) INC.

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