



CALCIUM PYROPHOSPHATE

◆ 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 pyrophosphate
- **Molecular Formula:** Ca₂P₂O₇
- **EC-No:** 232-221-5
- **Molecular Weight:** 254.10 g/mol
- **Order online:** <https://www.epoch-master.com>

◆ 2.COMPOSITION/INFORMATION ON INGREDIENTS

(1) **Product Name:** Calcium pyrophosphate

(2) **CAS Number:** [7790-76-3]

(3) **Relevant identified uses of the substance or mixture and uses advised against**

Identified uses: Laboratory chemicals, Manufacture of substances.

◆ 3. HAZARDS IDENTIFICATION

Classification of the substance or mixture:

(1) **Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]:**

- Skin irritation (Category 2)
- Eye irritation (Category 2)
- Specific target organ toxicity - single exposure (Category 3)

(2) **Classification according to EU Directives 67/548/EEC or 1999/45/EC:**

Irritating to eyes, respiratory system and skin.

(3) **Label elements:**

Labelling according Regulation (EC) No 1272/2008 [CLP] Pictogram:



(4) **Hazard statement(s):**

H315 Causes skin irritation.



H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

(5) Precautionary statement(s) :

- Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do,Continue rinsing.

(6) Supplemental Hazard: none

(7) Statements :According to European Directive 67/548/EEC as amended.

- Hazard symbol(s): ✘
- Irritating to eyes, respiratory system and skin.
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

(8) Other hazards - none

◆ 4. FIRST AID MEASURES

(1) Description of first aid measures:

- Consult a physician,Show this safety data sheet to the doctor in attendance.
- If breathed in: move person into fresh air; If not breathing, give artificial respiration,Consult a physician.
- If case of skin contact: Wash off with soap and plenty of water,Consult a physician.
- If case of eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
- If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water, Consult a physician.

(2) Most important symptoms and effects, both acute and delayed

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

(3) Indication of any immediate medical attention and special treatment needed:

no data available

◆ 5. FIRE FIGHTING MEASURES

- (1) Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- (2) Special hazards arising from the substance or mixture:** Nature of decompositionprod-



ucts not known.

- (3) **Advice for firefighters:** Wear self contained breathing apparatus for fire fighting if necessary.
- (4) **Further information:** no data available

◆ 6. ACCIDENTAL RELEASE MEASURES

- (1) **Personal precautions, protective equipment and emergency procedures:**
Use personal protective equipment,Avoid dust formation, Avoid breathing vapors, mist or gas,Ensure adequate ventilation, Evacuate personnel to safe area,Avoid breathing dust.
- (2) **Environmental precautions:** Do not let product enter drains.
- (3) **Methods and materials for containment and cleaning up:** Pick up and arrange disposal without creating dust. Sweep up and shovel, Keep in suitable, closed containers for disposal.
- (4) **Reference to other sections:** For disposal see section 13.

◆ 7. HANDLING AND STORAGE

- (1) **Precautions for safe handling:** Avoid contact with skin and eyes, Avoid formation of dust and aerosols,Provide appropriate exhaust ventilation at places where dust is formed,Normal measures for preventive fire protection.
- (2) **Conditions for safe storage, including any incompatibilities:** Store in cool place. Keep container tightly closed in a dry and well-ventilated place.
- (3) **Specific end uses:** no data available

◆ 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- (1) **Control parameters:** Components with workplace control parameters
- (2) **Exposure controls:**
 - **Appropriate engineering controls:** Handle in accordance with good industrial hygiene and safety practice,Wash hands before breaks and at the end of workday.
 - **Personal protective equipment:** Eye/face protection :Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
 - **Skin protection:** Handle with gloves, Gloves must be inspected prior to use,Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this

product,Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices, Wash and dry hands, The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

- **Body Protection:**impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
- **Respiratory protection:** For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator.For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges,Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

◆ 9. PHYSICAL AND CHEMICAL PROPERTIES

- (a) **Appearance:** White powder
- (b) **Odour:** odorless
- (c) **Odour threshold:** no available
- ⓐ **PH:** 5.5~7.0 (10% is suspension.)
- ⓑ **Melting point:** 1230 °C
- ⓒ **Initial boiling point:** no available boiling range
- ⓓ **Flash point:** no available
- ⓔ **Evaporation rate:** no available
- ⓕ **Flammability (solid, gas):** no available
- ⓖ **Upper/lower:** no available flammability or explosive limits
- ⓗ **Vapour pressure:** no available
- ⓘ **Vapour density :** no available
- ⓙ **Relative density:** 3,09 g/cm³ at 25 °C
- ⓚ **Water solubility:** Insoluble in water
- ⓛ **Partition coefficient:** no available octanol/water
- ⓜ **Autoignition:** no available temperature
- ⓝ **Decomposition:** no available temperature
- ⓞ **Viscosity:** no available
- ⓟ **Explosive properties:** no available
- ⓠ **Oxidizing properties:** no available

◆ 10. STABILITY AND REACTIVITY

- (1) **Reactivity:** no data available



- (2) **Chemical stability:** no data available
- (3) **Possibility of hazardous reactions:** no data available
- (4) **Conditions to avoid:** no data available
- (5) **Incompatible materials:** Strong oxidizing agents
- (6) **Hazardous decomposition products:** Other decomposition products - no data available

◆ 11. TOXICOLOGICAL INFORMATION

- **Acute toxicity :** no data available
- **Skin corrosion/irritation :** no data available
- **Serious eye damage/eye irritation :** no data available
- **Respiratory or skin sensitization :** no data available
- **Germ cell mutagenicity :** no data available
- **Carcinogenicity:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
- **Reproductive toxicity:** no data available
- **Specific target organ toxicity - single exposure**
- **Inhalation -** May cause respiratory irritation.
- **Specific target organ toxicity - repeated exposure**
- **Aspiration hazard :** no data available
- **Potential health effects:** Inhalation May be harmful if inhaled, Causes respiratory tract irritation;Ingestion May be harmful if swallowed; Skin May be harmful if absorbed through skin. Causes skin irritation.;Eyes Causes serious eye irritation.
- **Signs and Symptoms of Exposure:** To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
- **Additional Information:** Not available

◆ 12. ECOLOGICAL INFORMATION

- **Toxicity :**no data available
- **Persistence and degradability :**no data available
- **Bioaccumulative potential :**no data available
- **Mobility in soil :**no data available
- **Results of PBT and vPvB assessment :**no data available



- **Other adverse effects** :no data available

◆ 13. DISPOSAL CONSIDERATIONS

- Offer surplus and non-recyclable solutions to a licensed disposal company, Contact a licensed professional waste disposal service to dispose of this material, Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber, Contaminated packaging Dispose of as unused product.

◆ 14. TRANSPORTATION INFORMATION

- **ADR/RID:** Not dangerous goods
- **IATA:** Not dangerous goods
- **Environmental hazards** :IMDG Marine pollutant:no; IATA:no
- **Special precautions for user:** no data available

◆ 15. REGULATORY INFORMATION

- **This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.**
- **Safety, health and environmental regulations/legislation specific for the substance or mixture:** no data available.
- **Chemical Safety Assessment:** no data available

◆ 16. OTHER INFORMATION

- The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide,The information this document is based on the resent state of our knowledge and is applicable to the product with regard to appropriate safety precautions,It does not represent any guarantee of the properties of the product,Lookchem shall not be held liable for any damage resulting from handling or from contact with the above product,See reverse side of invoice or packing slip for additional terms and conditions of sale.

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