CALCIUM CITRATE

◆ 1. PRODUCT AND COMPANYDESCRIPTION

➢ 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 citrate; Tricalciumcitrate

➢ Molecular Formula: Ca3 (C6H5O7 ) 2 .4H2O

➢ EC No.: 212-391-7

➢ Molecular weight:570.5

➢ Order Online: http://www.epoch-master.com/

◆ 2.COMPOSITION/INFORMATION ON INGREDIENTS

➢ Product Name Calcium citrate

➢ CAS Number [5785-44-4]

◆ 3. HAZARDS IDENTIFICATION

➢ Potential Acute Health Effects: Slightly hazardous in case of skin contact (irritant), of eye

contact (irritant), of ingestion, of inhalation.

➢ Potential Chronic Health Effects:

CARCINOGENIC EFFECTS:Not available.

MUTAGENIC EFFECTS: Not available.

TERATOGENIC EFFECTS: Not available.

DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to cardiovas

cular system. Repeated or prolonged exposure to the substance can produce target organs

damage.

◆ 4. FIRST AIDMEASURES

➢ Eye Contact:Check for and remove any contact lenses. In case of contact, immediately flush

eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

➢ Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medi

cal attention if irritation develops.

➢ Serious Skin Contact: Not available.

➢ Inhalation:If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breath-ing is difficult, give oxygen. Get medical attention.

➢ Serious Inhalation: Not available.

➢ Ingestion:Do NOT induce vomiting unless directed to do so by medical personnel. Never give

anything by mouth to an unconscious person. If large quantities of this material are swallowed, call

a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

➢ Serious Ingestion: Not available.

◆ 5. FIRE FIGHTING MEASURES

➢ Flammability of the Product: Non-flammable.

➢ Auto-Ignition Temperature: Not applicable.

➢ Flash Points: Not applicable.

➢ Flammable Limits: Not applicable.

➢ Fire Hazards in Presence of Various Substances: Not applicable.

➢ Explosion Hazards in Presence of Various Substances:Risks of explosion of the product in

presence of mechanical impact: Not available;Risks of explosion of the product in presence of static

discharge: Not available.

◆ 6. ACCIDENTAL RELEASEMEASURES

➢ Small Spill:Use appropriate tools to put the spilled solid in a convenient waste disposal contain

er. Finish cleaning by spreading water on the contaminated surface and dispose of according to local

and regional authority requirements.

➢ Large Spill:Use a shovel to put the material into a convenient waste disposal container. Finish

cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary

system.

◆ 7. HANDLING AND STORAGE

➢ Precautions: Do not breathe dust. Keep away from incompatibles such as oxidizing agents,

acids.

➢ Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

◆ 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

➢ Engineering Controls:Use process enclosures, local exhaust ventilation, or other engineering

controls to keep airborne levels below recommended exposure limits. If user operations generatedust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure

limit.

➢ Personal Protection: Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/cer

tified respirator or equivalent.Gloves.

➢ Personal Protection in Case of a Large Spill:Splash goggles. Full suit. Dust respirator. Boots.

Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Sug

gested protective clothing might not be sufficient; consult a specialist BEFORE handling this prod

uct.

➢ Exposure Limits: Not available.

◆ 9. PHYSICALAND CHEMICAL PROPERTIES

➢ Physical state and appearance: White crystal powder

➢ Odor: Odorless.

➢ Molecular Weight: 570.50 g/mole

➢ pH (1% soln/water): Not applicable.

➢ Boiling Point: Not available.

➢ Melting Point: Decomposition temperature: 662°C (1223.6°F)

➢ Specific Gravity: 2.958 (Water = 1)

➢ Vapor Pressure: Not applicable.

➢ Vapor Density: Not available.

➢ Solubility:Insoluble in cold water, hot water. Soluble in dilute acids with effervescence. Insolu

ble in alcohol. Imparts slight alkaline reaction to water.

◆ 10. STABILITY ANDREACTIVITY

➢ Stability: The product is stable.

➢ Instability Temperature: Not available.

➢ Conditions of Instability: Incompatible materials

➢ Incompatibility with various substances: Reactive with oxidizing agents, acids.

➢ Corrosivity: Non-corrosive in presence of glass.

➢ Polymerization: Will not occur.

◆ 11. TOXICOLOGICAL INFORMATION

➢ Routes of Entry: Inhalation. Ingestion.➢ Toxicity to Animals:LD50: Not available. LC50: Not available.

➢ Chronic Effects on Humans: May cause damage to the following organs: cardiovascular

system.

➢ Other Toxic Effects on Humans: Slightly hazardous in case of skin contact (irritant), of inges

tion, of inhalation.

➢ Acute Potential Health Effects: Nuisance dust.

➢ Skin: May cause skin irritation. Low hazard for usual industrial handling.

➢ Eyes:May cause eye irritation.

➢ Inhalation: May cause respiratory tract irritation.

➢ Ingestion: May cause gastrointestinal tract irritation,Excess exposure may cause central

nervous system depression and cardiac disturbances The toxicological properties of this substance

have not been fully investigated.

◆ 12. ECOLOGICAL INFORMATION

➢ Products of Biodegradation:Possibly hazardous short term degradation products are not

likely. However, long term degradation products may arise.

➢ Toxicity of the Products of Biodegradation: The product itself and its products of degradation

are not toxic.

➢ Special Remarks on the Products of Biodegradation: Not available.

◆ 13. DISPOSAL CONSIDERATIONS

➢ Waste Disposal:Waste must be disposed of in accordance with federal, state and local environ

mental control regulations.

◆ 14. TRANSPORTATION INFORMATION

➢ DOT Classification: Not a DOT controlled material (United States).

➢ Suggestion according to IMO IMDG Code: The substance is not subject to IMO IMDGCode

➢ Identification: Not applicable.

➢ Special Provisions for Transport: Not applicable.

◆ 15. REGULATORY INFORMATION➢ Federal and State Regulations: No products were found.

➢ WHMIS (Canada): Not controlled under WHMIS (Canada).

➢ DSCL (EEC):This product is not classified according to the EU regulations. S22- Do not

breathe dust. S24/25- Avoid contact with skin and eyes.

➢ Health Hazard: 1

➢ Personal Protection: E

➢ Protective Equipment:Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified

respirator or equivalent. Safety glasses.

◆ 16. OTHER INFORMATION

➢ The information above is believed to be accurate and represents the best information currently

available to us. However, we make no warranty of merchantability or any other warranty, express

or implied, with respect to such information, and we assume no liability resulting from its use. Users

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