



# American International Chemical, Inc.

Corporate Offices: (800) 238-0001

Internet: [www.aicma.com](http://www.aicma.com) Email: [info@aicma.com](mailto:info@aicma.com)

## MATERIAL SAFETY DATA SHEET

### TRICALCIUM PHOSPHATE ANHYDROUS

#### SECTION 1 - CHEMICAL PRODUCT AND COMPANY INFORMATION

|                                                                                     |                                                   |                                              |
|-------------------------------------------------------------------------------------|---------------------------------------------------|----------------------------------------------|
| American International Chemical, Inc.<br>135 Newbury Street<br>Framingham, MA 01701 | Emergency Number: Chemtrec<br>Information Number: | 800-424-9300<br>703-527-3887<br>800-238-0001 |
|-------------------------------------------------------------------------------------|---------------------------------------------------|----------------------------------------------|

Date: August 2007

Synonyms: Calcium phosphate, tribasic; calcium orthophosphate; precipitated calcium phosphate; tricalcium orthophosphate

CAS #: 7758-87-4

DOT Hazard Class: Not Regulated

#### SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

Tricalcium Phosphate 100%

#### SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: It presents little or no health hazard and no unusual hazard if involved in a fire.

POTENTIAL HEALTH EFFECTS:

**Eyes & Skin:** May cause irritation.

**Inhalation:** May cause irritation to upper respiratory tract.

**Ingestion:** May cause abdominal discomfort.

CARCINOGENICITY: Not Identifiable

#### SECTION 4 - FIRST AID MEASURES

**Skin:** Immediately wash skin with soap and water for at least 15 minutes.

**Eyes:** Immediately flush with plenty of water for at least 15 minutes, holding eye lids apart.

**Inhalation:** Remove to the fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

**Ingestion:** Wash out mouth with water.

**On All Of The Above:** Consult a physician if symptoms persist.

---

### **SECTION 5 - FIRE FIGHTING MEASURES**

Flash Point: Non combustible dry product

Flammable Limits: Non combustible dry product

Extinguishing Media: Use media that is appropriate to treat surrounding fire.

Special Fire Fighting Procedures: Use fire fighting procedure that is appropriate to treat surrounding fire. All firefighters should use self-contained breathing apparatus and full fire-fighting turnout gear.

Unusual Fire Explosion Hazard: Tricalcium phosphate does not present any unusual fire hazard.

Auto Ignition Temperature: Not applicable

---

### **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

Isolate hazard area and deny entry to unnecessary or unprotected personnel.

Contain spill, sweep up, collect and place in a disposal container. Avoid runoff into storm sewers and ditches which lead to waterways.

---

### **SECTION 7 - HANDLING AND STORAGE**

Avoid contact with skin, eyes and clothing. Use with Adequate ventilation. Avoid breathing dust. Use normal personal hygiene and housekeeping. Store in cool dry area away from other incompatible materials.

---

### **SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION**

RESPIRATORY PROTECTION: Where adequate ventilation is not available, use NIOSH/MSHA approved respirators.

VENTILATION REQUIREMENTS: Ventilate as necessary to eliminate dust from the work area.

SKIN AND EYE PROTECTION:

Use rubber or neoprene gloves, chemical goggles and clothing sufficient to protect skin from dust.

WORK, HYGIENIC PRACTICES:

As required to protect skin and eyes from dust, safety showers and/or eye wash should be available. Do not leave food or smoke in work area. Wash thoroughly and remove or clean any contaminated clothing.

EXPOSURE LIMITS: None Established

---

## **SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

Boiling Point: Not Applicable

Vapor Pressure (MM Hg): Not Applicable

Vapor Density (AIR=1): Not Applicable

Specific Gravity (H2O=1): Not Applicable

Bulk Density: ~ 20 lbs/cu. ft. (loose tapped)

Percent Volatile by Volume (%): Not Applicable

Melting Point: 1670°C

Evaporation Rate (Butyl Acetate=1): Not Applicable

Solubility in Water: Slightly soluble

pH: (10%): ~ 7.0 @ 10% slurry

---

## **SECTION 10 - STABILITY AND REACTIVITY**

CHEMICAL STABILITY: Stable under normal temperatures and pressures.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: None Known

KEEP AWAY FROM: Not Identified

---

## **SECTION 11 - TOXICOLOGICAL INFORMATION**

|                         |                             |                          |
|-------------------------|-----------------------------|--------------------------|
| Oral                    | LD <sub>50</sub> (rats):    | >1,000 mg/kg body weight |
| Dermal                  | LD <sub>50</sub> (rabbits): | >7490 mg/kg body weight  |
| Skin Effects (rabbits): |                             | Non-irritant             |
| Eye Effects (rabbits):  |                             | Slight irritation        |

---

## **SECTION 12 - ECOLOGICAL INFORMATION**

Not available

---

## **SECTION 13 - DISPOSAL CONSIDERATIONS**

Dispose of in accordance with all federal, state and local regulations.

RCRA WASTE #: Not Listed

---

**SECTION 14 - TRANSPORTATION INFORMATION**

D.O.T. SHIPPING NAME:....Tricalcium Phosphate Anhydrous Not Regulated

---

**SECTION 15 - REGULATORY INFORMATION**

OSHA STATUS: Not Listed

TSCA STATUS: Listed

CERCLA REPORTABLE REQUIREMENTS: (RQ) None)

SARA TITLE III INFORMATION:

Section 302 Extremely Hazardous Substance: Unlisted

Section 313 Toxic Chemicals: Unlisted

Section 311/312 Hazard Category: Not Considered a Hazard.

---

**SECTION 16 - OTHER INFORMATION**

HMIS and NFPA Rating: Health 0 Fire 0 Reactivity 0

Reason for Issue: Changed Date

**This information is given without any warranty or representation. It is believed to be correct but does not claim to be all inclusive and shall be used only as a guide. American International Chemical, Inc., shall not be held liable for any damage resulting from handling or contact with the above product. It is offered solely for your consideration, investigation and verification.**

---