

AERCHEM INC.
320 North Walnut
Bloomington, IN 47408

Telephone: 812.334.9996

Fax: 812.334.1960

Emergency: 800.424.9300

SECTION 1: IDENTIFICATION

Effective Date: 10/3/96
Product Name: TRICALCIUM PHOSPHATE
Chemical Formula: $\text{Ca}_5(\text{PO}_4)_3(\text{OH})_2$
CAS No.: 7758-87-4

SECTION 2: HAZARDOUS INGREDIENTS:

May cause irritation and some allergic reactions. Large quantities may cause nausea, vomiting, cramps, and diarrhea. Inhalation may cause coughing sneezing, and labored breathing.

SECTION 3: PHYSICAL DATA

Appearance and Odor:	white powder w/no unusual odor
Boiling point:(760 mmHg)	not established
Vapor Pressure (mmHg):	n/a
pH:	(1% slurry) - 5.8-7.1
Vapor Density:	6.8

SECTION 4: FIRE AND EXPLOSION DATA

Flash point:	not flammable
Extinguishing Media:	Use an appropriate extinguishing media for material that is supplying fuel.
Fire Fighting Procedures:	Self contained breathing apparatus must be used
Unusual Fire and Explosion Hazards:	none

SECTION 5: REACTIVITY DATA

Stable X Unstable _____

Conditions to Avoid: not known

Incompatibilities:

Hazardous Decomposition or byproducts: There is a possibility that bicyclic phosphates or phosphites can be produced as a result of the thermal decomposition of this product in combination with trimethylol propane derived products or their corresponding trimethylol alkane homologs. Bicyclic phosphates and phosphites are a class of materials with acute neurotoxic properties which produce characteristic convulsive seizures in test animals. Therefore, this product should not be used in conjunction with trimethylol propane or trimethylol propane derived products.

SECTION 6: HEALTH HAZARD DATA

Toxicity: Slight irritation of eyes in rabbits. No irritation on skin of rabbits.

SECTION 7: SPILLAGE AND DISPOSAL PROCEDURES

Avoid spills that could reach any water way. Gather mechanically. Scrap up into secure containers and remove. Landfill may be acceptable to the responsible agencies.

SECTION 8: FIRST AID PROCEDURES

Eyes: Flush eyes with flowing water for at least 15 minutes. Get medical advice if irritation develops.

Skin: Wash contacted areas with water and soap

Inhalation: Remove from further exposure

Ingestion: Do not induce vomiting. Give large quantities of water or milk to drink. Get medical assistance.

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SECTION 9: PRECAUTION TO BE TAKEN IN HANDLING AND STORING

Avoid accumulation of dust. Store in sealed bags in dry location.

SECTION 10: SPECIAL PROTECTION INFORMATION

Eye Protection: safety glasses

Protective Gloves: yes

Respiratory Protection: dust masks

Other Protective Gear: clothes

SECTION 11: TRANSPORT INFORMATION

DOT classification: not regulated