

Right to Know Hazardous Substance Fact Sheet



Common Name: ALUMINUM PHOSPHATE

Synonyms: Aluminum Monophosphate

CAS No: 7784-30-7 Molecular Formula: AIPO4 RTK Substance No: 0062

Description: Solid, corrosive chemical which may be in a liquid or gel form

HAZARD DATA		
Hazard Rating	Firefighting	Reactivity
2 - Health	Extinguish fire using an agent suitable for type of	Aluminum Phosphate reacts violently with STRONG BASES (such as SODIUM HYDROXIDE and
0 - Fire	surrounding fire. Aluminum Phosphate itself does not burn. POISONOUS GASES ARE PROCUDED IN FIRE, including <i>Aluminum Oxides</i> and <i>Phosphorus Oxides</i> .	POTASSIUM HYDROXIDE) and STRONG ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC).
0 - Reactivity		
DOT ID # : UN 1760		
ERG Guide #: 154		
Hazard Class: 8		
(Corrosive)		

SPILL/LEAKS

Isolation Distance: 25 to 50 meters

(80 to 150 feet)

Collect powdered material in the most convenient and safe manner and deposit in sealed containers.

Absorb liquids in vermiculite, dry sand, earth, or a similar material and deposit in sealed containers.

PHYSICAL PROPERTIES

Odor Threshold: Odorless

Flash Point: Not Combustible

LEL: N/A UEL: N/A

Specific Gravity: 2.56 (water = 1)

Vapor Pressure: 0 mm Hg at 68°F (20°C)

Water Solubility: Insoluble

Melting Point: $>2,732^{\circ}F(1,500^{\circ}C)$

EXPOSURE LIMITS

15 mg/m³ 8-hr TWA (Total Dust) OSHA:

5 mg/m³ 8-hr TWA (Respirable

10 mg/m³ 10-hr TWA (Total Dust) NIOSH:

5 mg/m³ 10-hr TWA (Respirable

Dust)

1 mg/m³ 8-hr TWA (Respirable ACGIH:

Fraction)

PROTECTIVE EQUIPMENT

No Information Gloves:

DuPont Tychem® Responder® for inorganic acid salts in Coverall:

solution, DuPont Tychem® for hazardous dusts

No Information Boot:

Respirator: >1 mg/m³ N95

>10 mg/m³ Supplied Air

HEALTH EFFECTS

Eyes: Irritation and burns Skin: Irritation and burns

Acute: Nose and throat irritation with coughing

and wheezing

Chronic: Bronchitis, coughing, wheezing and/or

shortness of breath

FIRST AID AND DECONTAMINATION

Remove the person from exposure.

Flush eyes with large amounts of water for at least 15 minutes. Remove contact lenses if worn.

Immediate medical attention is necessary.

Remove contaminated clothing and wash contaminated skin with soap

Begin artificial respiration if breathing has stopped and CPR if necessary.

Transfer to a medical facility.