



SAFETY DATA SHEET

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SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **Aluminum Metaphosphate**

PART NUMBER: 1021

CAS NUMBER: 32823-06-6

MANUFACTURER:

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SECTION 2 HAZARDS IDENTIFICATION

CLASSIFICATION OF SUBSTANCE OR MIXTURE

Pictogram



Signal Word **Warning**

Hazard Statements

| | |
|------|-----------------------------------|
| H315 | Causes skin irritation. |
| H320 | Causes eye irritation. |
| H335 | May cause respiratory irritation. |

Precautionary Phrases

| | |
|--------------------|--|
| P261 | Avoid breathing dust/fume/gas/mist/vapors/spray. |
| P264 | Wash hands thoroughly after handling. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P302 + P352 | IF ON SKIN: Gently wash with plenty of soap and water. |
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P337 + P313 | If eye irritation persists: Get medical advice/attention. |
| P362 | Take off contaminated clothing and wash before reuse. |

SECTION 2 HAZARDS IDENTIFICATION (Cont.)

POTENTIAL HEALTH EFFECTS: Contact with skin and eyes. Inhalation of dust.

EYE CONTACT: May cause irritation of the eyes.

SKIN CONTACT: May cause irritation and redness.

INHALATION: Causes irritation to nose, throat, and respiratory tract.

INGESTION: No data

ACUTE HEALTH EFFECTS: Prolonged contact to eye, skin, mucous membranes may cause local irritation.

CHRONIC HEALTH EFFECTS: No data

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Formula: $Al(PO_3)_3$

Molecular Weight: 263.90

| CHEMICAL NAME | CAS# | % |
|------------------------|------------|-----|
| Aluminum Metaphosphate | 32823-06-6 | 100 |

SECTION 4 FIRST AID MEASURES

EYE EXPOSURE: Immediately flush the eyes with copious amounts of water (lukewarm if possible) for at least 15 minutes. Assure flushing under eyelids. A victim may need assistance in keeping their eyelids open. Get immediate competent medical attention.

SKIN EXPOSURE: Wash affected area with soap and water. Remove contaminated clothes if necessary. Seek medical assistance if irritation persists.

INHALATION: Remove victim to fresh air. Closely monitor the victim for signs of respiratory problems, such as difficulty in breathing, coughing, wheezing, or pain. In such cases seek immediate medical assistance. Give oxygen if deemed necessary. If not breathing administer CPR. Get emergency care immediately.

INGESTION: Clean mouth with water and drink plenty of water. Get medical attention if symptoms occur.

SECTION 5 FIREFIGHTING MEASURES

FLASH POINT: not applicable

AUTO IGNITION TEMPERATURE: Not applicable

EXPLOSION LIMITS: No data

EXTINGUISHING MEDIUM: Extinguishing powder or water spray, carbon dioxide. Fight larger fires with water spray or alcohol resistant foam.

SPECIAL FIRE FIGHTING PROCEDURES: If this product is involved in a fire, the following can be released: phosphorus oxides and metal oxide fume. No special fire-fighting procedures required. Use normal conditions, which include wearing NIOSH/MSHA approved self-contained breathing apparatus, flame and chemical resistant clothing, hats, boots, and gloves.

HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS: May emit toxic fumes. Fumes of aluminum oxide and phosphorus oxide.

UNUSUAL FIRE OR EXPLOSION HAZARDS: None known

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Wear appropriate respiratory and protective equipment to avoid exposure with material.

ENVIRONMENTAL PRECAUTIONS: Do not allow material to be released to the environment without proper governmental permits.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Sweep up avoiding raising dust and place in a well-marked container for disposal.

SECTION 7 HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Avoid contact with skin and eyes. Avoid formation of dust. Provide appropriate exhaust ventilation. Wear personal protective equipment.

CONDITIONS FOR SAFE STORAGE: Store in a tightly sealed container. Store at room temperature. Keep in a dry area.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

EYE PROTECTION: Always wear approved safety glasses with side shields, safety goggles, and face shield when handling a chemical substance in the laboratory.

SKIN PROTECTION: Chemical-resistant

VENTILATION: If possible, handle the material in a local exhaust hood.

RESPIRATOR: Where adequate ventilation is not available a dust respirator should be worn.

ADDITIONAL PROTECTION: Protection to avoid contact with skin, eyes, and clothing. Safety shower and eyewash in area. Use in a controlled environment. Do not eat, drink, or smoke in area. IRRITANT. Do not breathe dust. May cause irritation to nose, throat, and upper respiratory tract.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

COLOR AND FORM: White powder

MOLECULAR WEIGHT: 263.90

MELTING POINT: No data

SPECIFIC GRAVITY: No data

BOILING POINT: No data

VAPOR PRESSURE: Not applicable

SPECIFIC GRAVITY: 2.779

SOLUBILITY IN WATER: Insoluble

ODOR: Odorless

SECTION 10 STABILITY AND REACTIVITY

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: Incompatible products.

INCOMPATIBILITY: Strong oxidizing agents.

DECOMPOSITION PRODUCTS: Phosphorus oxides, metal oxide fume

SECTION 11 TOXICOLOGICAL DATA

RTECS DATA: No data

CARCINOGENIC EFFECTS: No data

MUTAGENIC EFFECTS: No data

TETRAOGENIC EFFECTS: No data

To the best of our knowledge the toxicological effects of this compound have not been fully investigated.

SECTION 12 ECOLOGICAL DATA

No information available

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of in according to local state and federal regulations

SECTION 14 TRANSPORTATION DATA

Non-hazardous material

SECTION 15 REGULATORY INFORMATION

TSCA: No information found

SARA (TITLE 313): No information found

SECTION 16 OTHER INFORMATION

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