

## MATERIAL SAFETY DATA SHEET

### Aluminum Metaphosphate

#### Section1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Manufacture By:**SHIJIAZHUANG CITY XINSHENG CHEMICAL CO.,LTD

**Address:**Xinle,Hebei province, China

**Product name:** Aluminum metaphosphate

**Phone:** 86 311 80662933

**Emergency Phone:** 86 311 88676378

**CAS NO.:** 32823-06-6

**EINECS NO.:** 237-415-3

**molecular formula:** AIPO4

**Product Use:** It is mostly used as binder and curing agent in the production of hi-temp refractory materials for kiln. It also serves as fluxing agent in the production of special glass, as binder in fabrication of ceramics or tooth, and as catalyst in organic synthesis.

#### Section2 COMPOSITION/INFORMATION ON INGREDIENTS

There are no hazardous ingredients as defined by 29 CFR 1910.1200.

##### HMIS

HEALTH:	1
FLAMMABILITY:	0
REACTIVITY:	0
PERSONAL PROTECTION:	*

I Recommended personal protective measures are identified in Section 8.0 of this document.

#### Section3 HAZARDS IDENTIFICATION

##### EMERGENCY OVERVIEW:

This material is a white, odorless powder.

This material is not flammable.

##### POTENTIAL ACUTE HEALTH EFFECTS:

###### EYE CONTACT:

May cause mild irritation.

###### SKIN CONTACT:

No irritation to skin.

###### INGESTION:

May cause mild vomiting, no harm to intestines and stomach.

**INHALATION:**

May cause the nasal feeling uncomfortable, no harm to respiratory system.

**Routes of Exposure:** Inhalation, ingestion, skin and eye contact.

**POTENTIAL CHRONIC HEALTH EFFECTS:**

Chronic exposures are considered negligible.

**Section 4 FIRST AID MEASURES**

**INHALATION:**

Remove victim to fresh air. Keeping respiratory tract unobstructed.

**INGESTION:**

If victim is alert, wash out mouth with water. Seek medical attention if symptoms develop or persist.

**EYES:**

Do not let victim rub eyes. Flush eyes well with water for at least 15 minutes.

**SKINS:**

Wash exposed area with soap and water.

**Section 5 FIRE FIGHTING MEASURES**

**FLASH POINT (° F)** Not applicable.

**OSHA FLAMMABILITY CLASSIFICATION:** Not Applicable.

**EXTINGUISHING MEDIA:** This material is not flammable and will not react with commercially available extinguishing media. Use appropriate media for surrounding fire.

**SPECIAL FIREFIGHTING PROCEDURES:** Firefighters should wear a positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing.

**AUTOIGNITION TEMP (° F)** Unknown

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None.

**Section 6 ACCIDENTAL RELEASE MEASURES**

**ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:**

Always wear recommended personal protective equipment. Limit foot and vehicular traffic to minimize mechanical agitation and dispersion. The spill should first be contained and the area should be cleaned by wet-sweeping or vacuum cleaning (HEPA filter). Notify In-plant Spill Response Coordinator or appropriate party to determine any additional requirements pertaining to spill response.

**CONTAINMENT TECHNIQUES:** This is a solid material and will not travel far from the spill location unless mechanically agitated. Therefore, no specific containment techniques are recommended outside of

restricting access to the spill location.

**SPILL RESPONSE EQUIPMENT:**

- Vacuum, equipped with HEPA filter
- Dustpan, shovel or scoop
- Broom, wet mop
- Bags, drums or sacks for collection

**SPILL RESPONSE PERSONAL PROTECTIVE EQUIPMENT:**

- Rubber or leather gloves
- Cotton overalls
- Chemical/safety impact goggles

## Section 7 HANDLING AND STORAGE

**HANDLING:**

Always wear recommended personal protective equipment. Avoid dust generation.

**STORAGE:**

Store in a cool, dry, well-ventilated area away from sources of ignition. Keep containers tightly closed when not in use.

Use care when handling and storing containers to prevent damage.

## Section 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING CONTROLS:** General mechanical ventilation is acceptable, as long as concentrations are maintained below required/recommended limits. Where acceptable concentrations cannot be maintained by general mechanical ventilation, local exhaust ventilation is recommended.

**RESPIRATORY PROTECTION EQUIPMENT:** NIOSH/MSHA approved respiratory protection is recommended for use in airborne concentrations exceeding exposure limits identified in section 2. Where no required/recommended exposure limits exist, personal protection measures should be incorporated when potential airborne concentrations may exceed 10 mg/m<sup>3</sup> total dust and 3 mg/m<sup>3</sup> respirable dust (particulate containing no asbestos and <1% crystalline silica).

**PROTECTIVE GLOVES:** Rubber or leather gloves and cotton coveralls are recommended to prevent direct skin contact.

**EYE AND FACE PROTECTION:** Wear safety glasses or goggles to protect against exposure.

**OTHER PROTECTIVE EQUIPMENT:** An emergency eye wash is recommended in the work area and should, at a minimum, meet the requirements under ANSI Z.358.1 for location, design, and operation.

## Section 9 PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Range/Point** None established

**Freezing Point** None established

**Melting Point** N/A

**Vapor Pressure** Not applicable

**Vapor Density (AIR=1)** Not applicable

**Physical State** Powder

**Color** white

**Volatile by Weight** Not applicable

**Evaporation Rate**

**(Butyl Acetate=1)** Not applicable

**pH\*** 4 -7

## Section 10 STABILITY AND REACTIVITY

**STABILITY:** Stable.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**HAZARDOUS THERMAL DECOMPOSITION/COMBUSTION PRODUCTS:** After prolonged contact with water, this substance will revert to its associated salts.

**INCOMPATIBILITY (MATERIALS TO AVOID):** This product will solubilize in acid, ammonia hydroxide, or prolonged contact with water.

**CONDITIONS TO AVOID:** Incompatible materials, excess heat.

## Section 11 TOXICOLOGICAL INFORMATION

**ACUTE ORAL LD50 (mg/kg):** 552 (RAT)

**ACUTE INHALATION LC50:** No data at this time.

**ACUTE DERMAL LD50 (mg/kg):** No data at this time.

## Section 12 ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** No data at this time

**CHEMICAL FATE INFORMATION:** No data at this time.

## Section 13 DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Re-blend spilled, unused, off-specification materials with other materials, where possible, in support of waste minimization. Where this is not possible, dispose of material according to Federal (country-specific), state, and local requirements.

**EMPTY CONTAINERS:** This product may be shipped in paper or nylon bags, steel drums, plastic or steel pails, or intermediate bulk containers. So all residual material can be emptied and the containers can be recycled.

## Section 14 TRANSPORT INFORMATION

**DOT SHIPPING NAME:** Not Regulated

**AIR FREIGHT** Not Regulated

**TRANSPORTATION:** Not Regulated

**OCEAN TRANSPORTATION:** Not Regulated

## Section 15 REGULATORY INFORMATION

### **TSCA STATUS:**

All components of this product are on the US TSCA Inventory.

### **CALIFORNIA PROPOSITION 65:**

This product is not known to contain any chemicals known to the state of California to cause cancer or birth defects. However, we do not conduct routine analysis for all listed materials.

### **SARA 302 EXTREMELY HAZARDOUS SUBSTANCES LIST:**

This product does not contain greater than 1.0% of any chemical substance on the SARA Extremely Hazardous Substance List.

### **SARA (311, 312) HAZARD CLASS:**

None

### **SARA SECTION 313 TOXIC CHEMICALS:**

None

### **CANADIAN INVENTORY:**

All components are on the Domestic Substance List (DSL).

### **EINECS REGULATIONS:**

All components are on the European Inventory of Existing Commercial Chemical Substances (EINECS).

## Section 16 OTHER INFORMATION

### **DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES:**

The information in this document is believed to be correct as of the date issued. However, no warranty of merchantability, fitness for any particular purpose, or any other warranty is expressed or is to be implied regarding the accuracy or completeness of this information, the results to be obtained from the use of this information or the product, the safety of this product, or the hazards related to its use. This information and product are furnished on the condition that the person receiving them shall make his own determination as to the suitability of the product for his particular purpose and on the condition that he assume the risk of his use thereof.

## Section 17 LABEL INFORMATION

**SIGNAL WORD:** NOTICE

**TARGET ORGANS:** May cause eye, skin, nasal irritation.

**EYES:** Do not let victim rub eyes. Flush eyes well with water for at least 15 minutes

**SKIN:** Wash exposed area with soap and water.

**INGESTION:** If victim is alert, wash out mouth with water.

**INHALATION:** Remove victim to fresh air.

**HANDLING:** Always wear recommended personal protective equipment. Avoid contact with skin, eyes and clothing.

**STORAGE:** Store in a cool, dry, well-ventilated area away from sources of ignition. Keep

SHIJIAZHUANG CITY XINSHENG CHEMICAL CO.,LTD

石家庄市鑫盛化工有限公司

TEL:86 311 80662933 FAX:86 311 88676379

EMAIL:SALES2@XSPHOS.COM WEBSITE:WWW.SJZXSCHEM.COM

---

containers tightly closed when not in use. Use care when handling and storing containers to prevent damage.

**IN CASE OF SPILL:** Collect and dispose in accordance with federal, state and local regulations.

**EXTINGUISHING MEDIA:** This material is not flammable and will not react with commercially available extinguishing media. Use appropriate media for surrounding fire.

**CALIFORNIA PROPOSITION 65:** This product is not known to contain any chemicals known to the state of California to cause cancer or birth defects. However, we do not conduct routine analysis for all listed materials.

Prepared by: Foreign Trade Dept.

Phone Number: 86 311 88676378

Fax Number : 86 311 88676379