



NO.2619070058

# ZHENGZHOU YUCAI PHOSPHATE FACTORY

## SAFETY DATA SHEET

### Aluminum Dihydrogen Phosphate Powder

#### SECTION1 PRODUCT AND COMPANY IDENTIFICATION

Product name: Aluminum Dihydrogen Phosphate Powder  
Company: ZHENGZHOU YUCAI PHOSPHATE FACTORY  
Address: South Industrial Park, Gongyi City, Zhengzhou City, Henan Province, 451250,  
P.R. China  
Email: info@cnycchem.com  
Fax: 86-371-64120305  
Emergency Phone: 86-371-66550866  
SDS Number: 2619070058  
Effective Date: 2019-09-20

#### SECTION2 HAZARDS IDENTIFICATION

GHS Classification:

Physical Hazards:

Not Classified

Health Hazards:

Serious eye damage/eye irritation Category 1

Environmental Hazards:

Not Classified

The hazards not mentioned are not applicable or no data available.

GHS Labelling:

Pictogram:



Signal Word:

Danger



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**Hazard Statements:**

H318 Causes serious eye damage.

**Prevention Precautionary Statements:**

P280 Wear eye protection /face protection.

**Response Precautionary Statements:**

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

**Storage Precautionary Statements:**

None.

**Disposal Precautionary Statements:**

P501 Dispose of contents/container in accordance with local/regional/national/international regulation.

**SECTION3 INFORMATION ON INGREDIENTS**

Product name: Aluminum Dihydrogen Phosphate Powder

Ingredient	Concentration	CAS No.	EC No.
Aluminum Dihydrogen Phosphate	99.48%	13530-50-2	236-875-2
Water	0.5%	7732-18-5	231-791-2
Ferric oxide	0.02%	1332-37-2	215-570-8

**SECTION4 FIRST-AID MEASURES**

**Skin Exposure:**

In case of skin contact, flush with copious amounts of water. If irritation persists, call a physician.

**Eye Exposure:**

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes immediately. Assure adequate flushing by separating the eyelids with fingers. Call a physician immediately.

**Inhalation Exposure:**

If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

**Oral Exposure:**

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**Most important symptoms and effects, both acute and delayed:**

No data available.

**Indication of any immediate medical attention and special treatment needed:**

No data available.

**SECTION5 FIRE FIGHTING MEASURES**

**Extinguishing Media:**

Suitable: Dry chemical, Water spray, Carbon dioxide or appropriate foam.



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**Special hazards arising from the substance or mixture:**

Take care as it may decompose upon combustion or in high temperatures to generate Phosphorus oxides, Aluminum oxides, Iron oxides.

**Advice for firefighters:**

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Fire-extinguishing work is done from the windward. Uninvolved persons should evacuate to a safe place.

## **SECTION6 ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures:**

Use self-contained positive pressure respirator and wear anti-poison working clothes. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Do not breathe dust. Entry to noninvolved personnel should be controlled around the leakage area by roping off, etc.

**Environmental precautions:**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

**Methods and materials for containment and cleaning up:**

Sweep up with spade and transfer to a dry, clean, lidded container for disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

## **SECTION7 HANDLING AND STORAGE**

**Precautions for safe handling:**

Wear appropriate protective clothing and chemical safety gloves. Avoid inhalation. Avoid contact with eyes, skin and clothing. Prevent generation of dust. Handling is performed in a well ventilated place. Keep away from ignition sources, heat and flame. Incompatibilities: Strong oxidizing agents. Wash hands and face thoroughly after handling. No smoking at working site.

**Conditions for safe storage, including any incompatibilities:**

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Keep away from heat, sparks, and flame. Keep away from sources of ignition. Incompatibilities: Strong oxidizing agents. Storage place should be equipped with appropriate varieties and quantities of fire fighting equipment and leakage emergency treatment equipment.

## **SECTION8 EXPOSURE CONTROL/PPE**

**Control parameters:**

Not set up.

**Appropriate engineering controls:**

Mechanical exhaust required. Safety shower and eye bath.

**Other Protect:**

No smoking, drinking and eating at working site. Wash thoroughly after handling.

**Personal Protective Equipment:**

Respiratory: Wear government approved respirator.

Eye: Wear chemical safety glasses.

Clothing: Wear appropriate protective clothing.

Hand: Wear compatible protective gloves.

## **SECTION9 PHYSICAL/CHEMICAL PROPERTIES**

**Appearance:** White powder

**Odor:** Weak odor



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Odor Threshold: No data available

pH Value: 2.0-2.1(50g/L Solution)

Solubility(ies): Soluble in water

Melting Point/  
Freezing Point: 259.0°C

Boiling Point,  
Initial Boiling  
Point and Boiling  
Range: Not applicable

Flash Point  
(Closed Cup): Not applicable

Density/Relative  
Density: No data available

Viscosity: Not applicable

Upper/Lower  
Flammability or  
Explosive Limits: No data available

Vapor Pressure: No data available

Vapor Density: No data available

n-Octanol/Water  
Partition  
Coefficient: No data available

Autoignition  
Temperature: No data available

Decomposition  
Temperature: No data available

Evaporation Rate: Not applicable

Flammability  
(Solid, Gas): Not Flammable

#### SECTION10 STABILITY AND REACTIVITY

**Reactivity:**

No data available.

**Chemical stability:**

Stable under normal temperatures and pressures.

**Possibility of hazardous reactions:**

No data available.

**Conditions to avoid:**

No data available.

**Incompatible materials:**

Strong oxidizing agents.

**Hazardous Decomposition Products:**

Phosphorus oxides, Aluminum oxides, Iron oxides.

#### SECTION11 TOXICOLOGICAL INFORMATION

**Acute Toxicity:**



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Aluminum Dihydrogen Phosphate:

LD<sub>50</sub> Oral - Rat - Female - > 2000 mg/kg; LC<sub>50</sub> Inhalation - Rat - Male and female - 4 h - > 5.1 mg/l (OECD Test Guideline 403)

**Skin corrosion/irritation:**

No data available.

**Serious eye damage/irritation:**

Causes serious eye damage.

**Respiratory sensitization:**

No data available.

**Skin sensitization:**

No data available.

**Germ cell mutagenicity:**

No data available.

**Carcinogenicity:**

No data available.

**Reproductive toxicity:**

No data available.

**Specific Target Organ Toxicity -Single Exposure:**

No data available.

**Specific target organ toxicity - repeated exposure:**

No data available.

**Aspiration hazard:**

No data available.

## SECTION12 ECOLOGICAL INFORMATION

**Ecotoxicity:**

No data available.

**Persistence and degradability:**

No data available.

**Bioaccumulative potential:**

No data available.

**Mobility in soil:**

No data available.

**Other adverse effects:**

No data available.

## SECTION13 DISPOSAL CONSIDERATION

**Appropriate Method of Disposal of Substance:**

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with and afterburner and scrubber. Observe all federal, state, and local environmental regulations.

## SECTION14 TRANSPORT INFORMATION

**RID/ADR:** Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

**IATA:** Non-Hazardous for Air Transport: Non-hazardous for air transport.

**IMO:** Non-Hazardous for Sea Transport: Non-hazardous for sea transport.



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## SECTION15 REGULATORY INFORMATION

Regulation (EC) No.1272/2008 and the amendments:

Serious eye damage/eye irritation Category 1

## SECTION16 OTHER INFORMATION

Date:

2019-09-20

Department:

Shanghai Research Institute of Chemical Industry Testing Co., Ltd.

Tel (Fax): +86-21-52815377/31765555

Revision:

0

Reference Standard:

GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS (GHS), 7<sup>th</sup> revised edition

Other Information:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. We make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes. In no way shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising from using the above information.