



## Material Safety Data Sheet

### Section 1: Product Identification

**Product Name:** Ammonium Polyphosphate

**Synonym:** polyphosphoric acids ammonium salts

**Contact Information:**

SHANDONG CHENXU NEW MATERIAL CO., LTD

9F OF CHINA OVERSEAS PLAZA, ERHUANNAN ROAD, SHIZHONG DISTRICT, JINAN

CITY, SHANDONG, CHINA

**Information In Case of Emergency**

Telephone: 86-531-87978111

Contact Person: James Wong

### Section

2:

### Composition/Information

#### Ingredients

Ingredient/Substance	CAS #	EINECS #	Symbol Letters And R-Phrase
Ammonium Polyphosphate	68333-79-9	269-789-9	Non applicable

### Section

3:

### Hazards

#### Identification

#### Classification

**USA:** The product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200.

**Canada:** Not a controlled product under WHMIS.

**European Communities (EC):** This product is not classified as dangerous according to the European Community Directive 1999/45/EC and subsequent amendments.

#### Potential Health Effects:

Eye Contact: Contact with eyes may cause irritation

Skin Contact: Not expected to cause skin irritation in normal use conditions.

Inhalation: Not expected to cause respiratory irritation in normal use conditions.

### Section 4: First Aid Measures

#### **Inhalation:**

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

#### **Ingestion:**



Not expected to require first aid measures. If large amounts were swallowed, give water to drink and get medical advice.

**Skin Contact:**

Wash with soap and water. Covering the irritated skin with an emollient. Get medical attention if irritation develops.

**Eye Contact:**

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

=====**Section 5: Fire and Explosion Data**=====

**Flammability of the Product:** Non-flammable.

**Flammable Properties:** Not considered to be a fire hazard since the solid does not burn. Not considered to be an explosion hazard.

**Suitable Extinguishing Media:**

Use any means suitable for extinguishing surrounding fire.

**Special Protective Equipment for Firefighters:**

As in any fire, wear self-contained breathing apparatus pressure-demand and full protective gear.

=====**Section 6: Accidental Release Measures**=====

**Small Spill:**

Use appropriate tools to put the spilled powder in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

**Large Spill:**

Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

=====**Section 7: Handling and Storage**=====

**Handling:** Wear personal protective equipment. Ensure adequate ventilation. Do not touch or walk through spilled material. Keep unnecessary personnel away.

**Storage:** store in a clean dry place.

=====**Section 8: Exposure Controls/Personal Protection**=====

**Exposure Limits:**

Exposure limits for this product has been not established.

**Ventilation Required:**

Ventilation should be effectively remove and prevent buildup of dust general from the handling of this product.

**Personal Protective Equipment:**

**Hand Protection:** Wear appropriate chemical resistant gloves.

**Skin Protection:** Normal working clothing(long sleeved shirts and long pants) is recommended.

**Eye Protection:** Safety glasses with side-shields.

**Respiration Protection:** No personal respiratory protective equipment normally required.

=====**Section 9: Physical/Chemical Properties**=====



**Appearance:** White Powder

**Odor:** Odorless

**Phosphorus Content:**  $\geq 31.0\%$

**Nitrogen Content:**  $\geq 13.0\%$

**PH Value (100g/L solution):** 5.5-7.5

**Flash Point/Range:** N/A

**Solubility (g/100ml H<sub>2</sub>O):**  $\leq 0.5\%$

## Section 10: Stability and Reactivity

**Stability:** Stable at normal conditions.

**Conditions to Avoid:** High Temperature

**Hazardous Decomposition Products:** Thermal decomposition may produce carbon monoxide, ammonia, oxides of nitrogen, oxides of phosphorous and or hydrogen cyanide.

## Section 11: Toxicological information

**Maximum allowable workplace concentration:** not stipulated

**Acute oral toxicity LD<sub>50</sub>:**  $>2000$  mg/kg

**Acute fish toxicity LD<sub>50</sub>:**  $>500$  mg/l (96 h)

**Ames Test:** negative

## Section 12: Ecological information

**Ecotoxicity:** This product has not known eco-toxicological effects.

**Environmental Effects:**

Ecological injuries are not known or expected under normal use. An environmental hazard can not be excluded in the event of unprofessional handling or disposal.

**Persistence/Degradability:** Not readily biodegradable.

## Section 13: Disposal Considerations

**Waste Disposal Methods:**

Store materials for disposal as indicated in Section 7 Handling and Storage.

## Section 14: Transport information

**ADNR:** non-regulated

**Special Provisions for Transport:** Not Applicable.

**IMO International Maritime Dangerous Goods Code:**

The substance is not hazardous under the applicable IATA or IMO IMDG Code.

## Section 15: Other Regulatory Information

**EC Classification for the substance/preparation:**



**Symbol:** This product does not need to be labeled in accordance with EC Directives or respective national laws.

**Risk Phrase:** None

**Safety Phrase:** None

**WHMIS(Canada):** Not controlled under WHMIS(Canada)

**DSCL(EEC):** This product is not classified according to the EU regulations.

===== **Section 16: Other Information** =====

This information is based on our present state of knowledge and is intended to provide general notes on our products and their uses. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application. Any existing industrial property rights must be observed. The quality of our products is guaranteed under our General Conditions of Sale.

Edition: July 10, 2023 – This data sheet replaces all previous issues.