



**RNZ INTERNATIONAL FZE**

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# **MSDS**

## **Material Safety Data Sheet**

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# **MONO AMMONIUM PHOSPHATE**

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### **SECTION 1. Product And Company Identification**

#### **Chemical Product**

**Product Name: MONO AMMONIUM PHOSPHATE**

**Company Name: RNZ INTERNATIONAL FZE**

**Company Address: PO BOX 44660 Dubai UAE**

**Telephone Number: +9714 8894400**

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**Emergency Number: +9714 8894400**



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## Composition / Information on substance :

Primary ammonium phosphate; ammonium dihydrogen phosphate; ammonium biphosphate; phosphoric acid, monoammonium salt CAS No.: 7722-76-1 Molecular Weight: 115.04 Chemical Formula:  $\text{NH}_4\text{H}_2\text{PO}_4$

Ingredients CAS No Percent Ammonium Phosphate Monobasic 7722-76-1 99%

## Health and Hazard Data:

Emergency Overview **WARNING! MAY CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT. HARMFUL IF SWALLOWED OR INHALED.**

Potential Health Effects Inhalation: Causes irritation to the respiratory tract.

Symptoms may include coughing, shortness of breath. Ingestion: Causes irritation to the gastrointestinal tract. Symptoms may include nausea, vomiting and diarrhea. Skin

Contact: Causes irritation to skin. Symptoms include redness, itching, and pain. Eye

Contact: Causes irritation, redness, and pain. Chronic Exposure: No information

found. Aggravation of Pre-existing Conditions: No information found.

## First Aid measures:

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. Ingestion: Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention. Skin Contact: Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse. Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention.

## Fire fighting measures:

Fire: Not considered to be a fire hazard. Fire may produce toxic fumes. Explosion: Not considered to be an explosion hazard. Fire Extinguishing Media: Use any means suitable for extinguishing surrounding fire. Special Information: In the event of a fire, wear full protective clothing and self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

## Accidental release measures:

Ventilate area of leak or spill. Wear appropriate personal protective equipment

Spills: Pick up and place in a suitable container for reclamation or disposal, using a method that does not generate dust.

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**Handling & storage:**

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Isolate from incompatible substances. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product

**Exposure Controls/Personal Protection**

Airborne Exposure Limits:

None established. Ventilation System: In general, dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered. Personal Respirators: For conditions of use where exposure to dust or mist is apparent and engineering controls are not feasible, a particulate respirator may be worn. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator. **WARNING:** Air-purifying respirators do not protect workers in oxygen-deficient atmospheres. Skin Protection: Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Eye Protection: Use chemical safety goggles and/or full face shield where dusting or splashing of solutions is possible. Maintain eye wash fountain and quick-drench facilities in work area.

**Physical and Chemical Properties**

Appearance: Brilliant white crystals or granules. Odor: Faint acid odor. Solubility: 1 g/2.5 ml water. Specific Gravity: 1.80 pH: 4.4 – 4.8 % Volatiles by volume @ 21 °C (70F): 0 Boiling Point: No information found. Melting Point: 190 °C (374F) Vapor Density (Air=1): No information found. Vapor Pressure (mm Hg): No information found. Evaporation Rate (BuAc=1): No information found

**Stability & reactivity:**

Stability: Stable under ordinary conditions of use and storage. Hazardous Decomposition Products: Burning may produce ammonia and oxides of phosphorus. Hazardous Polymerization: Will not occur. Incompatibilities: Sodium hypochlorite. Conditions to Avoid: Incompatibles

**Toxicological Information**

No information found relating to normal routes of occupational exposure



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## **Ecological information:**

Environmental Fate: No information found. Environmental Toxicity: No information found

## **Dispose consideration:**

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. Dispose of container and unused contents in accordance with local requirements

## **Transport information:**

Transportation Status: IMPORTANT! Statements below provide additional data on listed DOT classification. The listed Transportation Classification does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors.

## **Regulatory information:**

Fire Hazard - NO Reactive Hazard - NO Release of Pressure - NO Acute Health Hazard - NO Chronic Health Hazard - NO