



RNZ INTERNATIONAL FZE

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MSDS

Material Safety Data Sheet

POTASSIUM SULPHATE

SECTION 1. Product And Company Identification

Chemical Product

Product Name: POTASSIUM SULPHATE

Company Name: RNZ INTERNATIONAL FZE

Company Address: PO BOX 44660 Dubai UAE

Telephone Number: +9714 8894400

+971 8894940

Emergency Number: +9714 8894400

Composition / Information on substance :

Ingredients Name: Potassium Nitrate

CAS No: 7757-79-1

Percent by weight 100%

Health and Hazard Data:

Potential Acute Health Effects:

Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation (lung irritant). Prolonged exposure may result in skin burns and ulceration. Over-exposure by inhalation may cause respiratory irritation.

Potential Chronic health effects:

CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to blood, kidneys, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage.

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.

Serious Inhalation: Evacuate the victim to a safe area s soon as possible. Loosen tight clothing such as collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Serious Ingestion: Not available.

Fire fighting measures:

Flammability of the Product: Non-flammable.

Auto-Ignition Temperature: Not Applicable.

Flash Points: Not Applicable.

Flammable Limits: Not applicable.

Products of Combustion: Not Applicable.

Fire Hazards in Presence of various Substances: Not applicable.

Explosion Hazards in Presence of Various Substances:

Risks of explosion of the product in presence of static discharge: Not available.

Slightly explosive in presence of shocks, of heat.

Fire Fighting Media and Instructions: Not applicable

Special Remarks on Fire hazards: In contact with easily oxidizable substances, it may react rapidly enough to cause ignition, violent combustion, or explosion. It increases the flammability of any combustible substance. A mixture of potassium nitrate and calcium sillicide is a readily ignited primer and burns at a very high temperature. Contact of the carbide with molten potassium nitrate causes incandescence. When heated to decomposition it emits very toxic fumes.

Accidental release measures:

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large Spill: Oxidizing material. Stop leak if without risk. Avoid contact with a combustible material (wood, paper, oil, clothing...). Keep substance damp using water spray. Do not touch spilled material. Prevent entry into sewers, basements or confined areas, dike if needed. Call for assistance on disposal

Handling & storage:

Keep away from heat and sources of ignition. Do not ingest. Do not breathe dust. Wear suitable protective clothing. Avoid contact with skin and eyes. Keep away from incompatibles such as reducing agents, combustible materials, organic materials, metals.

Storage: keep container tightly closed. Keep container in a cool, well-ventilated area. Separate from acids, alkalies, reducing agents and combustibles.

Physical and Chemical Properties

Physical state and appearance: solid. (Crystalline solid. Granular solid). Odor: Odorless Taste: Cooling, Saline, Pungent. Molecular Weight: 101.1 g/mole Color: White pH (1% soln/water): Not available Boiling Point: Decomposition temperature: 400C Melting Point: 334C Critical Temperature: Not available. Solubility: Easily soluble in hot and cold water. Insoluble in diethyl ether. Soluble in liquid ammonia, glycerin, and absolute alcohol.

Stability & reactivity:

Stability: The product is stable. Instability temperature: Not available. Conditions of Instability: Incompatible materials, dust generation. Corrosivity: Non-corrosive in presence of glass. Special Remarks on corrosivity: Not available.

Stability: Stable under ordinary conditions of use and storage. Hazardous

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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.

Dispose consideration:

Waste Disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Transport information:

DOT classification: CLAS 5.1: Oxidizing material.
Identification: Potassium nitrate : UN1486
PG:III Special provisions for Transport: Not available.

Regulatory information:

Protective Equipment: Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.