INTREPID POTASH - CARLSBAD, LLC



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MATERIAL SAFETY DATA SHEET

Effective Date: 01/07/97 Revised Date: 09/14/12

PRODUCT NAME: (WHITE) POTASH

Transportation Emergencies: (800) 424-9300 (CHEMTREC) Health Emergencies: Contact Local Poison Center

CAUTION ******

MAY CAUSE IRRITATION

SECTION I – PRODUCT INFORMATION

<u>Chemical Name</u>: Potassium Chloride <u>Formula</u>: KCl

Chemical Family: Inorganic Salt CAS No. 7447-40-7

Exposure Standard: None established. The OSHA nuisance dust limit of 15 mg/m³ or

the ACGIH nuisance dust TLV of 10 mg/m³ or the time weighted

average applies.

SECTION II – PERSONAL PROTECTION INFORMATION

Ventilation: Provide local or general ventilation to keep dust below the OSHA

nuisance dust limit of 15 mg/m³.

Eyes: Safety glasses shall be worn.

Skin: No protection normally required. If irritation occurs, long sleeves and

impervious gloves should be worn.

Respiratory: A NIOSH approved dust respirator shall be used when exposure

exceeds the OSHA standard of 15 mg/m³.

Other: Washing facilities shall be available.

SECTION III – HEALTH INFORMATION

ROUTES OF ENTRY PHYSIOLOGICAL AND HEALTH EFFECTS

Eyes: Will produce pain and irritation.

Skin: Slightly irritating.

Inhalation: Can cause irritation to mucous membranes, nasal and

respiratory passages. Systemic effects are not likely.

Ingestion: Large doses cause GI irritation.

Toxicity: Oral: Human LDLo – 500 mg/kg

Oral: Rat LDLo – 100 mg/kg

EMERGENCY AND FIRST AID PROCEDURES

Eyes: Immediately flush with large quantities of water for at least

20 minutes. Seek medical attention.

Skin: Wash thoroughly with water and soap.

Inhalation: Remove to fresh air. If discomfort continues seek medical

attention.

Ingestion: If person is conscious, dilute stomach contents with water.

Seek medical attention.

SECTION IV – REACTIVITY DATA

Stability: Stable salt

Conditions to avoid: Not applicable

Incompatability: Avoid strong oxidizers

Decomposition Products: None

Hazardous Polymerization: Will not occur.

SECTION V – PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: White/Gray/Pink crystals or powder. Odorless.

Boiling Point: 1500 degrees Celsius

Melting Point: 776 degrees Celsius (sublimes at 1500°)

Solubility: Soluble in water 25.8% by wt. @20 C, slightly soluble in

alcohol, insoluble in absolute alcohol.

Specific Gravity

 $H_2O = 1$: 1.988

Molecular Weight: 74.55

SECTION VI – HANDLING AND STORAGE PRECAUTIONS

Store in cool, dry well ventilated area. Do not get into eyes. Wash thoroughly after handling.

SECTION VII – FIRE PROTECTION INFORMATION

NFPA Rating: Flammability: D

Flash Point: Not applicable.

Extinguishing Media: Any suitable for other materials involved.

Flammable Limits

(by volume in air): Not applicable

Special Firefighting

Procedures: Wear self-contained breathing apparatus.

Unusual Fire and

Explosive Hazards: Could emit toxic fumes under fire conditions.

SECTION VIII – DEPARTMENT OF TRANSPORATION REQUIREMENTS

This material is not classified as a hazardous material by The Department of Transportation.

SECTION IX – SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled:

Spilled muriate of potash can be reused if kept dry and uncontaminated. After cleanup, contaminated area should be washed down with water. Do not allow washwater to enter drinking water supplies. In the event of spill or washwater entering sewer or waterway, notify sewer authorities or other appropriate agencies.

Waste Disposal Methods

If uncontaminated, recover and reuse as product. Consult State or Federal regulatory agencies for acceptable disposal procedures and disposal locations.

Reportable Quantities: None established.

SECTION X – CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN

National TCSA Registration: Yes

National Toxicology I.A.R.C.

Program: Yes Monograms: No OSHA: No

Disclaimer

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