



# Agri-Empresa, Inc.

KCL

432-694-1994  
FAX 432-694-2199

Manufacturer • Packager • Distributor  
OIL FIELD CHEMICALS

6001 West Industrial  
Midland, Texas 79706

## MATERIAL SAFETY DATA SHEET

EFFECTIVE DATE: 03/1/2004

**PRODUCT NAME: MURIATE OF POTASH STANDARD, WHITE**

Transportation Emergencies: (800) 424-9300 (CHEMTREC)

Health Emergencies: Contact Local Poison Center

### WARNING

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*This product contains substances known by the State of California to cause cancer, and/or birth defects or other reproductive harm. (California Prop 65)*

### CAUTION

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**MURIATE OF POTASH CAN BE HARMFUL  
IF SWALLOWED. AVOID INHALATION AND CONTACT  
WITH SKIN, EYES AND CLOTHING. KEEP OUT OF REACH  
OF CHILDREN. WASH THOROUGHLY AFTER HANDLING.**

## SECTION I – PRODUCT INFORMATION

<u>Chemical Name:</u>	MURIATE OF POTASH	<u>Formula:</u>	KCl
<u>Chemical Family:</u>	Inorganic Salt	<u>CAS No.</u>	7447-40-7
<u>Ingredient:</u>	SYLVITE		

Exposure Standard: None established. The OSHA nuisance dust limit of 15 mg/m<sup>3</sup> or the ACGIH nuisance dust TLV of 10 mg/m<sup>3</sup> or the time weighted average applies.

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**SECTION II – PERSONAL PROTECTION INFORMATION**


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- Ventilation: Provide local or general ventilation to keep dust below the OSHA nuisance dust limit of 15 mg/m<sup>3</sup>.
- 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/m<sup>3</sup>.
- Other: Washing facilities shall be available.

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**SECTION III – HEALTH INFORMATION**


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ROUTES OF ENTRYPHYSIOLOGICAL 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 and make person vomit. Seek medical attention.

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**SECTION IV – REACTIVITY DATA**

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Stability: Stable salt

Conditions to avoid: Not applicable

Incompatibility: Avoid strong oxidizers

Decomposition Products: None

Hazardous Polymerization: Will not occur.

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**SECTION V – PHYSICAL AND CHEMICAL PROPERTIES**

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

Boiling Point: 1500 degrees Celsius

Melting Point: 776 degrees Celsius

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

Specific Gravity  
H<sub>2</sub>O = 1 : 1.988

Molecular Weight: 74.55

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**SECTION VI – HANDLING AND STORAGE PRECAUTIONS**

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

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**SECTION VII – FIRE PROTECTION INFORMATION**


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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.

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**SECTION VIII – DEPARTMENT OF TRANSPORTATION REQUIREMENTS**


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

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**SECTION IX – SPILL OR LEAK PROCEDURES**


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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.

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**SECTION X – CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL  
CARCINOGEN**

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National TCSA Registration: Yes

National Toxicology  
Program: Yes

I.A.R.C.

Monograms: No

OSHA: No

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**Disclaimer**

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