



MATERIAL SAFETY DATA SHEET

SECTION I: IDENTIFICATION OF PRODUCT

PRODUCT NAME: Potassium Chloride (KCL)
PRODUCT USE: Oil Well Fluid Additive
CHEMICAL FAMILY: Muriate of Potash

WORK PLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

WHMIS CLASSIFICATION: Not a controlled product under WHMIS
WORK PLACE HAZARD: N/A

TRANSPORTATION OF DANGEROUS GOODS (TDG)

SHIPPING NAME: Not Dangerous Goods
TDG CLASSIFICATION: N/A
UN NUMBER (PIN): N/A
PACKING GROUP: N/A

SECTION II: HAZARDOUS INGREDIENTS

<u>INGREDIENT</u>	<u>PERCENT</u>	<u>CAS NUMBER</u>	<u>LD₍₅₀₎ Oral-Rat</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Potassium Chloride	95-99.9	7447-40-7	2400 mg/kg	Not Determined	Not Determined
Sodium Chloride	0.1-5	7647-14-15	Not Determined	Not Determined	Not Determined

SECTION III: TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY: SKIN EYE CONTACT INHALATION INGESTION

EYE CONTACT: Dust may irritate the eyes

SKIN CONTACT: Long term skin contact may dry and irritate skin.

INGESTION: Negligible risk.

INHALATION: Dust may be irritating.

SECTION IV: FIRST AID MEASURES

SKIN CONTACT: Flush with water. Dry area thoroughly and apply skin cream or moisturizing cream. If



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irritation persists, consult a physician.

EYE CONTACT: Wash with running water for 15 minutes. If irritation persists, seek medical assistance.

INGESTION: Give plenty of water. Do not induce vomiting. Call physician.

INHALATION: Remove patient to fresh air. If individual is having difficulty, administer oxygen and get immediate medical attention.

SECTION V: PHYSICAL DATA

APPEARANCE AND ODOUR:	White crystals; odourless
SPECIFIC GRAVITY:	1.988 g/cc
BOILING POINT (°C):	1500°C
MELTING POINT (°C):	772°C
pH:	5.4-8.6 @ 5% solution
SOLUBILITY IN WATER:	276 g/litre @ 0°C
PERCENT VOLATILE BY VOLUME:	N/A
EVAPORATION RATE:	N/A
VAPOUR PRESSURE (mm Hg):	N/A
VAPOUR DENSITY (Air = 1):	N/A

SECTION VI: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	Not Flammable
FLAMMABLE LIMITS:	N/A
EXTINGUISHING MEDIA:	Not a combustible material
SPECIAL FIRE FIGHTING PROCEDURES:	Those applicable to surrounding material
UNUSUAL FIRE AND EXPLOSION HAZARDS:	None

SECTION VII: REACTIVITY DATA

STABILITY: **Stable [XX]** **Unstable []**

INCOMPATIBILITY (CONDITIONS TO AVOID): None.



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CONDITIONS OF REACTIVITY: None.
HAZARDOUS DECOMPOSITION PRODUCTS: None.
HAZARDOUS POLYMERIZATION: Will Not Occur [XX] May Occur []

VIII: PREVENTIVE MEASURES

SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION NIOSH approved respirator/dust mask
VENTILATION Local mechanical 10 changes per hour
PROTECTIVE GLOVES Suggest plastic or rubber
EYE PROTECTION Suggest goggles
OTHER PROTECTIVE EQUIPMENT (Specify) Normal work cloths

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store in a cool, dry, well-ventilated place away from incompatible materials. Keep bags or fibre drums dry at all times. Wash thoroughly after handling. Do not get in eyes, on skin, or on clothing.

STEPS TO BE TAKEN IN CASE THE MATERIAL IS SPILLED OR RELEASED

For small spills, sweep up and dispose of in DOT-approved containers. For large spills, shovel into DOT-approved waste containers. If product is not contaminated, it may be reclaimed and repackaged.

Keep out of sewers, storm drains, surface waters and soils.

WASTE DISPOSAL METHOD

Dispose of contaminated product and materials used in cleaning up spills and leaks in a manner approved for this material. Consult appropriate federal, provincial and local regulatory agencies to ascertain proper disposal procedures.

SECTION IX: PREPARATION

THE INFORMATION CONTAINED HEREIN IS GIVEN IN GOOD FAITH, BUT NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE.

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