

## SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER: **POTASH**

OTHER MEANS OF IDENTIFICATION: Potassium chloride, Potassium Muriate, Muriate of Potash, KCl

RECOMMENDED USE: Drilling fluid additive; cement additive

RESTRICTIONS ON USE: None

SUPPLIER IDENTIFIER: **Di-Corp**  
**8750-53 Ave**  
**Edmonton, AB T6E 5G2**  
**780-440-4923**

EMERGENCY PHONE NUMBER: 780-468-4064

## SECTION 2: HAZARD IDENTIFICATION

CLASSIFICATION: Not hazardous according to Part 2 of HPR.

LABEL SYMBOLS: Not applicable

SIGNAL WORD: Not applicable

HAZARD STATEMENTS: Not applicable

OTHER HAZARDS: Handling and/or processing of this material may generate dust which can cause mechanical irritation of the eyes, skin, nose and throat.

PRECAUTIONARY STATEMENTS: Not applicable

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| CHEMICAL NAME      | CAS NUMBER | CONCENTRATION (w/w) |
|--------------------|------------|---------------------|
| Potassium chloride | 7447-40-7  | 95 – 99.5%          |
| Sodium chloride    | 7647-14-5  | 0.3 – 3.7%          |

## SECTION 4: FIRST AID MEASURES

SKIN CONTACT: Remove contaminated clothing and wash exposed skin thoroughly with soap and water. If irritation develops and persists obtain medical attention.

EYE CONTACT: Flush with gently flowing warm water for minimum 15 minutes. If irritation persists, obtain medical attention.

INGESTION: Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Obtain medical attention if symptoms develop or large quantity is swallowed. Never give anything by mouth if patient is unconscious, rapidly losing consciousness or convulsing.

INHALATION: Move to fresh air. Apply oxygen or artificial respiration if required. If breathing difficulties or distress continues obtain immediate medical attention.

MOST IMPORTANT SYMPTOMS / EFFECTS: No known acute or chronic effects.

IMMEDIATE MEDICAL ATTENTION / SPECIAL TREATMENT: Treat symptomatically.

## SECTION 5: FIRE-FIGHTING MEASURES

|   |  |
|---|--|
| SUITABLE EXTINGUISHING MEDIA:               | Use extinguishing media suitable for type of surrounding fire.           |
| UNSUITABLE EXTINGUISHING MEDIA:             | None known.  |
| SPECIFIC FIRE HAZARDS:                      | None known.  |
| HAZARDOUS COMBUSTION PRODUCTS:              | Not available.   |
| SPECIAL PROTECTIVE EQUIPMENT & PRECAUTIONS: | Self-contained breathing apparatus required for fire-fighting personnel. |

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Use appropriate safety equipment. Prevent further leakage or spillage if safe to do so. Keep people away. Do not flush with water.

### METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP

Collect spilled material by vacuum if possible. Collect uncontaminated material for repackaging. Collect contaminated material and absorbent in approved containers for disposal. Wash spill area thoroughly with water.

## SECTION 7: HANDLING AND STORAGE

### PRECAUTIONS FOR SAFE HANDLING

Avoid skin and eye contact. Wash thoroughly after handling. Launder contaminated clothing before reuse. Keep containers closed when not in use.

### CONDITIONS FOR SAFE STORAGE & INCOMPATIBILITIES

Store in a cool, dry area away from incompatible materials. May absorb moisture from the air. Keep container tightly closed.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

|                                       |   |
|---------------------------------------|---|
| EXPOSURE LIMITS:                      | Not available. Consult local regulations for general dust guidelines.   |
| ENGINEERING CONTROLS:                 | Use local exhaust ventilation, process enclosure or other engineering controls as required to maintain vapour/mist concentration below TLV's. |
| PERSONAL PROTECTIVE MEASURES          |   |
| RESPIRATORY PROTECTION:               | Not required under normal conditions of use.  |
| PROTECTIVE GLOVES:                    | Rubber gloves recommended.  |
| EYE PROTECTION:                       | Safety glasses with side-shields or chemical goggles.   |
| OTHER PROTECTIVE EQUIPMENT (SPECIFY): | Ensure eye-wash station and emergency shower are available.   |

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

|                                  |  |
|----------------------------------|--|
| APPEARANCE:                      | White to reddish-brown crystalline or granular solid |
| ODOUR:                           | Odourless  |
| ODOUR THRESHOLD:                 | Not available  |
| pH:                              | 5.4 – 10.0 (5% solution)                             |
| MELTING POINT / FREEZING POINT:  | 772 – 775°C  |
| BOILING POINT / RANGE:           | Sublimes at 1500°C                                   |
| FLASH POINT:                     | Not applicable                                       |
| EVAPORATION RATE:                | Not available  |
| FLAMMABILITY:                    | Will not burn  |
| FLAMMABILITY / EXPLOSIVE LIMITS: | Not applicable                                       |
| VAPOUR PRESSURE:                 | Not available  |
| VAPOUR DENSITY:                  | Not available  |
| RELATIVE DENSITY:                | 1.9 – 2.0  |
| SOLUBILITY:                      | Soluble in water                                     |
| PARTITION COEFFICIENT:           | Not available  |
| AUTO-IGNITION TEMPERATURE:       | Not applicable                                       |
| DECOMPOSITION TEMPERATURE:       | Not available  |
| VISCOSITY:                       | Not available  |

## SECTION 10: STABILITY AND REACTIVITY

|                                     |   |
|-------------------------------------|---|
| REACTIVITY:                         | Not reactive under normal conditions of storage or use.   |
| CHEMICAL STABILITY:                 | Stable under normal conditions of storage or use. Material is hygroscopic; may absorb moisture from air when relative humidity >72%.  |
| POSSIBILITY OF HAZARDOUS REACTIONS: | Polymerization will not occur   |
| CONDITIONS TO AVOID:                | None known.   |
| INCOMPATIBLE MATERIALS:             | Avoid contact with hot nitric acid; may cause evolution of toxic nitrosyl chloride. Contact with other strong acids may produce hydrogen chloride gas. May react violently with bromine trifluoride and may explode if mixed with potassium permanganate and sulfuric acid. Mildly corrosive to metals in the presence of moisture. |
| HAZARDOUS DECOMPOSITION PRODUCTS:   | Not available.  |

## SECTION 11: TOXICOLOGICAL INFORMATION

|                   |   |
|-------------------|---|
| PRODUCT TOXICITY: | LD50 (rat, oral) > 2600 mg/L  |
| SKIN CONTACT:     | May cause mild irritation including redness and a burning sensation. Prolonged or repeated contact may cause dry skin. No information available on skin absorption.   |
| EYE CONTACT:      | May cause mild irritation, including stinging, watering and redness.  |
| INGESTION:        | No effects expected from swallowing small amounts. Swallowing large amounts may cause irritation of the digestive tract including nausea, vomiting, diarrhea, abdominal cramping, irregular heartbeats, dehydration and hypertension. |
| INHALATION:       | High dust levels may cause upper respiratory tract irritation.  |
| CARCINOGENICITY:  | Not carcinogenic based on available information.  |
| TERATOGENICITY:   | Not teratogenic based on available information.   |

|                        |  |
|------------------------|--|
| REPRODUCTIVE TOXICITY: | Not a reproductive toxin based on available information. |
| MUTAGENICITY:          | Not mutagenic based on available information.            |
| CHRONIC TOXICITY:      | No information available.                                |
| TARGET ORGAN EFFECTS:  | No information available.                                |

## SECTION 12: ECOLOGICAL INFORMATION

|                                |   |
|--------------------------------|---|
| ECOTOXICITY:                   | Dissolution of large quantities of potassium chloride in water may create an elevated level of salinity that may be harmful to fresh water species.<br>Lepomis macrochirus LC50 = 2010 mg/L<br>Physa heterstrapha LC50 = 940 mg/L<br>Scenedesmus subspicatus EC50 = 2500 mg/L |
| PERSISTENCE AND DEGRADABILITY: | Not applicable to inorganic materials.  |
| BIOACCUMULATIVE POTENTIAL:     | Not available.  |
| MOBILITY IN SOIL:              | Not available.  |
| OTHER ADVERSE EFFECTS:         | Not available.  |

## SECTION 13: DISPOSAL CONSIDERATIONS

Dispose/incinerate in accordance with federal, state and local regulations. It is the responsibility of the end-user to determine if material meets the criteria of hazardous waste at the time of disposal. This product may be suitable for disposal in landfill; check with local operator.

## SECTION 14: TRANSPORTATION INFORMATION

|                       |                |
|-----------------------|----------------|
| UN NUMBER:            | Not applicable |
| PROPER SHIPPING NAME: | Not applicable |
| CLASS:                | Not applicable |
| PACKING GROUP:        | Not applicable |
| IMDG HAZARDS:         | Not applicable |
| BULK TRANSPORT:       | Not applicable |
| SPECIAL PRECAUTIONS:  | Not applicable |

## SECTION 15: REGULATORY INFORMATION

|       |  |
|-------|--|
| DSL:  | All ingredients are listed on the DSL.             |
| TSCA: | All ingredients are listed or exempt from listing. |

## SECTION 16: OTHER INFORMATION

|                |                   |
|----------------|-------------------|
| REVISION DATE: | September 9, 2025 |
| REPLACES:      | November 21, 2017 |

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