

SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER: **POTASSIUM CARBONATE**
OTHER MEANS OF IDENTIFICATION: Pearlash, Potash, PotCarb
RECOMMENDED USE: Oilwell drilling fluid 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 (24 hr)

SECTION 2: HAZARD IDENTIFICATION

CLASSIFICATION: Acute toxicity, oral – Category 4
Skin irritation – Category 2
Eye irritation – Category 2A
STOT (SE) – Category 3
Hazardous to Aquatic Environment – Acute Hazard – Category 3

LABEL SYMBOL:



SIGNAL WORD:

WARNING

CLASSIFICATION INFORMATION:

Harmful if swallowed.
Causes skin irritation.
Causes serious eye irritation.
May cause respiratory irritation.
Harmful to aquatic life.

PRECAUTIONARY STATEMENTS:

PREVENTION:

Avoid breathing dust. Wash hands thoroughly after handling. Do not eat, drink or smoke when handling this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Avoid release to environment.

RESPONSE:

IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

STORAGE:

Store in a well-ventilated place. Keep container tightly closed. Store locked up.

DISPOSAL:

Dispose of contents/container in accordance with local, regional, national, and/or international regulations.

OTHER HAZARDS:

Aqueous solutions are corrosive to aluminum.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	CONCENTRATION
Potassium carbonate	584-08-7	98.5 - 100% (w/w)

SECTION 4: FIRST AID MEASURES

SKIN CONTACT:	Immediately brush off excess chemical and flush contaminated areas with plenty of water. Remove contaminated clothing, jewelry and shoes. SPECIFIC TREATMENT: Irrigation with water. IF SKIN IRRITATION OCCURS: GET MEDICAL ADVICE/ATTENTION. Wash contaminated clothing before re-use.
EYE CONTACT:	Flush with gently flowing warm water for minimum 15 minutes. Obtain medical attention when flushing period is complete and no further irritation is felt.
INGESTION:	Rinse mouth and give 1 to 2 glasses of water. Do NOT induce vomiting unless directed to do so by medical personnel. If victim feels unwell contact POISON CENTER or doctor immediately. Never give anything by mouth if patient is unconscious, rapidly losing consciousness or convulsing.
INHALATION:	Move to area free from dust. If breathing difficulties continue, obtain medical attention.
MOST IMPORTANT SYMPTOMS / EFFECTS:	Inhalation of dust in high concentration may cause irritation of the respiratory system. Slightly toxic by ingestion. May be severely irritating to gastrointestinal tract. Ingestion of large amount may be harmful.
IMMEDIATE MEDICAL ATTENTION / SPECIAL TREATMENT:	Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:	Use media suitable for packaging and surrounding fire.
UNSUITABLE EXTINGUISHING MEDIA:	None.
SPECIFIC FIRE HAZARDS:	None.
HAZARDOUS COMBUSTION PRODUCTS:	Oxides of carbon. Potassium oxides.
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. Avoid creating dust clouds. Avoid breathing dust; wear an approved respirator. Wash thoroughly after handling, at rest breaks, before eating and at end of shift. Remove and thoroughly clean contaminated clothing before re-wearing. Product is harmful to aquatic life; keep out of water supplies and sewers. Report spills or releases as required by local, provincial and federal legislation.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP

Vacuum up, if possible, to avoid generating airborne dust. Collect uncontaminated material for repackaging. Collect contaminated material in approved containers for disposal.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Avoid creating dust. Avoid breathing dust; wear an approved respirator. Use only in well-ventilated area. Practice reasonable caution and personal cleanliness. Wash thoroughly after handling. Do not eat, drink or smoke when handling. Launder contaminated clothing before reuse. Keep container tightly closed when not in use. Empty packages contain residual hazardous material and should be handled as if full.

CONDITIONS FOR SAFE STORAGE & INCOMPATIBILITIES

Store in cool, dry area. Product is hygroscopic. Keep separate from incompatible materials.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMIT:	Not established. Use local nuisance dust limits.
ENGINEERING CONTROLS:	Maintain adequate engineering controls and/or ventilation to keep hazardous ingredient(s) below statutory limits.
PERSONAL PROTECTIVE MEASURES	
RESPIRATORY PROTECTION:	Use NIOSH approved dust masks or respirator with dust cartridge as appropriate.
PROTECTIVE GLOVES:	Rubber gloves recommended.
EYE PROTECTION:	Safety glasses with side shields recommended.
OTHER PROTECTIVE EQUIPMENT (SPECIFY):	Ensure eyewash station and emergency shower are available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	White powder
ODOUR:	Odourless
ODOUR THRESHOLD:	Not applicable
pH:	Not available
MELTING POINT / FREEZING POINT:	891°C
BOILING POINT / RANGE:	Not available
FLASH POINT:	Not applicable
EVAPORATION RATE:	Not applicable
FLAMMABILITY:	Not flammable
FLAMMABILITY / EXPLOSIVE LIMITS:	Not applicable
VAPOUR PRESSURE:	Not available
VAPOUR DENSITY:	Not available
RELATIVE DENSITY:	2.4
SOLUBILITY:	Soluble in water
PARTION COEFFICIENT:	Not available
AUTO-IGNITION TEMPERATURE:	Not applicable
DECOMPOSITION TEMPERATURE:	Not available
VISCOSITY:	Not applicable

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY:	Not reactive under normal temperatures and pressures.
CHEMICAL STABILITY:	Stable at normal temperatures and pressures.
POSSIBILITY OF HAZARDOUS REACTIONS:	None known.
CONDITIONS TO AVOID:	None known.
INCOMPATIBLE MATERIALS:	Avoid contact with lime to prevent formation of corrosive potassium hydroxide.
HAZARDOUS DECOMPOSITION PRODUCTS:	Not available.

SECTION 11: TOXICOLOGICAL INFORMATION

PRODUCT TOXICITY:	LD50 (oral, rat) = 1870 mg/kg LD50 (dermal, rabbit) > 2000 mg/kg LC50 (inhalation, rat) > 4096 mg/L/4.5 hr
SKIN CONTACT:	May cause mild to moderate irritation.
EYE CONTACT:	Causes severe irritation. Untreated contact can cause permanent eye damage.
INGESTION:	May cause oral, esophageal, glottis redness, irritation, ulceration, edema, and stomach and intestinal irritation and burns. Ingesting large quantities may cause ulceration, vomiting, shock, and death.
INHALATION:	May cause irritation of the upper respiratory tract.
CARCINOGENICITY:	Not known to be carcinogenic.
TERATOGENICITY:	Not known to cause developmental toxicity.
REPRODUCTIVE TOXICITY:	No information available.
MUTAGENICITY:	Not known to be a mutagen.
CHRONIC TOXICITY:	No information available.
TARGET ORGAN EFFECTS:	Respiratory tract irritation.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY:	Fish Toxicity: LC50 Bluegill sunfish: 230 mg/L (96 hour) LC50 Rainbow trout: 68 mg/L (96 hour) LC50 Fathead minnow: 940 mg/L (24 hour) LC50 Fathead minnow: 820 mg/L (48 hour) LC50 Fathead minnow: <510 mg/L (96 hour) Invertebrate Toxicity: EC50 Daphnia magna: 430 mg/L (48 hour) - hard water EC50 Daphnia pulex: 200 mg/L (48 hour) - soft water
PERSISTENCE AND DEGRADABILITY:	Not applicable to inorganic substances.
BIOACCUMULATIVE POTENTIAL:	Not believed to bioaccumulate.
MOBILITY IN SOIL:	No data available.
OTHER ADVERSE EFFECTS:	This material is harmful to aquatic life. May increase pH of waterways and adversely affect aquatic life.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with federal, provincial 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. May be disposed of as an inert solid in a sanitary landfill in some locations: Check with local operator. Empty packages should be taken for local recycling, recover or waste disposal: Check with local waste operator.

SECTION 14: TRANSPORTATION INFORMATION

TDG:	Not regulated
DOT:	Not regulated
IATA:	Not regulated
IMDG:	Not regulated
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 on the DSL.
WHMIS CLASS:	D2B
TSCA:	All components are listed on the inventory or are exempt.

SECTION 16: OTHER INFORMATION

REVISION DATE:	May 18, 2018
REPLACES:	None

The information contained herein is given in good faith, but no warranty, expressed or implied, is made.