

SAFETY DATA SHEET

**Section 1: IDENTIFICATION**

**Product Identifier:** Potassium Carbonate  
**Recommended Use:** Drilling Fluid Additive  
**Manufacturer/Supplier:** Bri-Chem Supply Ltd.  
27075 Acheson Road  
Acheson, AB T7X 6B1  
**Phone Number:** 780-962-9490  
**Emergency Phone:** CHEMTREC 1-800-424-9300, 24/7

**Section 2: HAZARD(S) IDENTIFICATION**

**Classification:** This product is considered hazardous under the U.S. OSHA 29 CFR 1910.1200 Hazard Communication Standard.  
**Skin Irritation:** Category 2  
**Eye Irritation:** Category 2  
**Specific Target Organ Toxicity – Single Exposure, Respiratory System:** Category 3  
**Label Elements**  
**GHS Pictograms:**



**Signal Word:** Warning  
**Hazard Statements:** Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.

**Precautionary Statements**

**Prevention:** Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area.

**Response**

**Inhalation:** If Inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.  
**Skin:** If on skin: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.  
**Eye:** If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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<b>Storage:</b>	Store in a well-ventilated place. Keep container tightly closed. Store locked up.
<b>Disposal:</b>	Dispose of contents/container to an approved waste disposal plant.
<b>Hazards Not Other Classified:</b>	No information available

**Section 3: COMPOSITION / INFORMATION ON INGREDIENTS**

**Substance**

<b>Chemical Name:</b>	Potassium Carbonate
<b>Synonym:</b>	Dipotassium Salt of carbonic acid, Potassium Carbonate Anhydrous, Pear ash
<b>Formula:</b>	CK203
<b>Molecular Weight:</b>	132.21 g/mol
<b>Cas No.:</b>	584-08-7
<b>Concentration:</b>	95-100%

**Section 4: FIRST-AID MEASURES**

**First-Aid Measures**

<b>Eye Contact:</b>	Immediately rinse with plenty of water. Remove contact lenses, if present and easy to do so. Keep eye wide open while rinsing. Continue rinsing for 15 minutes. Call a doctor/physician if irritation occurs.
<b>Skin Contact:</b>	Wash off immediately with plenty of water. Remove all contaminated clothes and shoes. If skin irritation occurs, call a doctor/physician.
<b>Inhalation:</b>	Remove to fresh air. If not breathing, give artificial respiration. Get medical attention.
<b>Ingestion:</b>	Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

**Most Important Symptoms/Effects, Acute and Delayed**

<b>Symptoms:</b>	No information available
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**Section 5: FIRE-FIGHTING MEASURES**

<b>Suitable Extinguishing Media:</b>	Substance is non-flammable; Use any means suitable for extinguishing surrounding fire.
<b>Special Hazards Arising from the Chemical</b>	
<b>Hazardous Combustion Products:</b>	Thermal decomposition can lead to the release of irritation or toxic gases and vapors; including and not limited to: Carbon oxides, Potassium oxides

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**Protective Equipment and Precautions for Fire-Fighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**Section 6: ACCIDENTAL RELEASE MEASURES**

**Personal Precautions, Protective Equipment and Emergency Procedures**

**Personal Precautions:** Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists. Use personal protection recommended in Section 8. Ensure adequate ventilation.

**Methods and Materials for Containment and Cleaning Up**

**Methods for Clean-Up:** Sweep or vacuum up and place in an appropriate closed container. Keep unauthorized personnel away. Avoid generating dust.

**Environmental Precautions:** Prevent entry into waterways or sewers.

**Section 7: HANDLING AND STORAGE**

**Precautions for Safe Handling:** Avoid contact with eyes, skin and clothing. Do not breathe vapors / spray / mist / fume. Wear eye/face protection. Use only in a well-ventilated area. Avoid dust formation. Use personal protection recommended in Section 8. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product. Clean equipment and work area regularly.

**Conditions for Safe Storage, Including any Incompatibilities:** Store in a cool/low-temperature, well-ventilated, dry place. Keep containers closed and labeled when not in use.

**Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Exposure Guidelines:** This product does not contain any hazardous materials with occupational exposure limits established by the regional specific regulatory bodies.

**Appropriate Engineering Controls:** Ensure adequate ventilation, especially in confined areas. Consider the potential hazards of this material, applicable exposure limits, job activities and other substances in the work place when designing controls and selecting personal protective equipment.

**Personal Protective Equipment**

**Eye/Face Protection:** Safety glasses are recommended in professional settings

**Skin Protection:** Choose the appropriate protective clothing and gloves based on the tasks being performed to avoid exposure to skin. Wear protective gloves. Wear long sleeved clothing.

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**Respiratory Protection:** Not required under normal circumstances. If exposure limits are exceeded or if irritation or other symptoms are experienced use a NIOSH/MSHA approved respirator

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety practices. Do not eat, drink or smoke when using this product.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** White powder

**Physical State:** Solid

**Odor:** Odorless

**Odor Threshold:** No information available

**pH:** 11-12

**Melting Point/Freezing Point:** No information available

**Boiling Point/Boiling Range:** Not applicable

**Flash Point:** Not applicable

**Evaporation Rate:** Not applicable

**Flammability:** No information available

**Flammability or Explosive Limits**

**Upper:** No information available

**Lower:** No information available

**Vapor Pressure:** No information available

**Vapor Density:** No information available

**Specific Gravity:** No information available

**Solubility in Water:** 900-1105 g/L @ 20°C

**Partition Coefficient:** No information available

**Auto-Ignition Temperature:** No information available

**Decomposition Temperature:** No information available

**Viscosity:** No information available

**Section 10: STABILITY AND REACTIVITY**

**Reactivity:** None known under normal conditions.

**Chemical Stability:** Stable under ordinary conditions of use and storage.

**Possibility of Hazardous Reactions:** None under normal processing.

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**Conditions to Avoid:** Avoid dust formation

**Incompatible Materials:** Acids, Strong oxidizing agents.

**Hazardous Decomposition Products:** Hazardous combustion can lead to the release of irritating gases and vapors.

**Section 11: TOXICOLOGICAL INFORMATION**

**Information on Likely Routes of Exposure**

**Skin Contact:** Skin irritant

**Eye Contact:** Eye irritant

**Inhalation:** May cause irritation of respiratory tract.

**Ingestion:** May be harmful if swallowed.

**Symptoms Related to the Physical Chemical and Toxicological Characteristics:** No information available

**Delayed and Immediate Effects and also Chronic Effects Form Short and Long-term Exposure**

**Skin Damage/Irritation:** Causes skin irritation

**Eye Damage/Irritation:** Causes serious eye irritation

**Sensitization:** Not classified

**Mutagenic Effects:** Not classified

**Carcinogenicity:** Not classified

**Reproductive Toxicity:** Not classified

**STOT – Single Exposure:** May cause respiratory irritation

**STOT – Repeated Exposure:** Not classified

**Aspiration Hazard:** Not classified

**Acute Toxicity**

Component	CAS-No	LD50 Oral	LD50 Dermal	LC50 Inhalation
Potassium Carbonate	584-08-7	> 2,000 mg/kg	> 2,000 mg/kg	-

**Section 12: ECOLOGICAL INFORMATION**

**Ecotoxicity:** Should not be released to environment.

**Persistence and Degradability:** No information available

**Bioaccumulative Potential:** No information available

**Mobility in Soil:** No information available

**Other Adverse Effects:** No information available

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**Section 13: DISPOSAL CONSIDERATIONS**

**Waste Disposal Methods:** Processing, use or contamination of this product may occur during product use. Accordingly, it is the responsibility of the user to determine the proper disposal methodologies. Consult the appropriate state, regional or local regulations to ensure complete and accurate classification. Dispose of contaminated packaging in accordance with local regulations.

**Section 14: TRANSPORT INFORMATION**

**DOT:** Not regulated  
**IATA:** Not regulated  
**IMDG:** Not regulated

**Section 15: REGULATORY INFORMATION**

**International Inventories**

**TSCA:** Listed  
**DSL:** Listed

**US Federal Regulations**

**TSCA Section 12(b) Export Notification:** Not regulated  
**SARA 313 Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA):** Not applicable

**SARA 311/312 Hazard Categorization**

**Acute Health Hazard:** Yes  
**Chronic Health Hazard:** No  
**Fire Hazard:** No  
**Pressure:** No  
**Reactivity:** No

**CERCLA/SARA 302 & 304 Section 302 & 304 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA):** Not applicable

**CWA (Clean Water Act):** Not applicable

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US State Regulations

**California Proposition 65:** This product does not contain any proposition 65 chemicals.

<b>Section 16: OTHER INFORMATION</b>
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NFPA Ratings

Health: 2

Flammability: 0

Reactivity: 0

**Disclaimer:**

The information contained herein is based on data available to us and is believed to be true and accurate. However, no guarantee or warranty is provided, expressed or implied, by the company or its subsidiaries regarding accuracy of the information, the hazards connected with the use of the material, or the results to be obtained from the use thereof. Since the use of this product is within the exclusive control of the user, we do not assume any responsibility and expressly disclaim any liability for any use of this product. It is the user's responsibility to determine the conditions of safe use, storage, and disposal of the product. Compliance with all applicable federal, provincial, and local regulations remains the responsibility of the user.

**Prepared by:** Bri-Chem Supply Ltd.

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