

Safety Data Sheet

Section 1. Identification		
Product Identifier	Potassium Chloride	Version: 4 Effective Date: 25 January 2021
Other Means Of Identification	Potash	
Initial Supplier Identifier	Chemfax Products Ltd. 11444 – 42 Street SE Calgary, AB T2C 5C4 Tel: 403-287-2055	
Recommended Use and Restrictions On Use	Fertilizer, clay control, de-icing. No restrictions	
Product Family	Salt	
Emergency Phone	1-855-887-2055 Monday - Friday 8:00am - 4:30pm MST	

Section 2. Hazard Identification	
Hazard Classification	Eye Damage/Irritation – Category 2B
Signal Word	Warning
Hazard Statement	Causes eye irritation.
Precautionary Prevention Statement	Wash hands thoroughly after handling.
Precautionary Response Statement	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, seek medical attention.
Precautionary Storage Statement	None assigned.
Precautionary Disposal Statement	None assigned.
Other Hazards	None

Section 3. Composition / Information on Ingredients			
Chemical Name	Common Name or Synonyms	CAS NO. and Other Unique Identifiers	% by weight
Potassium Chloride	Potash	7447-40-7	60-100

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Section 4. First-Aid Measures	
Eye Contact	Flush eyes with water for 15 minutes. Seek medical attention.
Skin Contact	Immediately flush skin with running water. Remove and isolate contaminated clothing and shoes. Seek medical attention if irritation develops and persists.
Inhalation	Remove victim to fresh air. If there is difficulty breathing, seek immediate medical attention.
Ingestion	Give two glasses of water. Do not induce vomiting. Lay victim on left side to prevent aspiration of any vomit. Seek immediate medical attention.
Most Important Symptoms and Effects Both Acute and Delayed	May cause mild eye irritation
Immediate Medical Attention and Special Treatment	Wash with plenty of water

Section 5. Fire-Fighting Measures	
Suitable and Unsuitable Extinguishing Media	Use extinguishing media suitable for surrounding fire
Hazardous Combustion Products	Halogenated compounds and hydrogen chloride.
Specific Hazards Arising From the Product	None known
Special Protective Equipment and Precautions For Fire-Fighters	Firefighters should wear self-contained breathing apparatus and full protective clothing. Use water spray to cool containers and structures exposed to fire.

Section 6. Accidental Release Measures	
Personal Precautions, Protective Equipment and Emergency Procedures	Gloves (neoprene), safety glasses, coveralls. Secure area. Avoid generation of dust.
Environmental Precautions	Do not allow product to enter watercourses and sewers.
Methods and Materials For Containment and Clean-Up	Carefully sweep up product to prevent the creation of dust. Place in a suitable container for disposal. Wash area with water.

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Section 7. Handling and Storage	
Precautions For Safe Handling	Handling with care, dust may cause eye, skin and respiratory tract irritation.
Conditions For Safe Storage	Store in a cool dry place. Keep container closed when not in use.

Section 8. Exposure Controls / Personal Protection				
Control Parameters	TWA: 8 Hr	STEL: 15 min	Ceiling	IDLH *
Potassium Chloride	Not established for this product *Immediately Dangerous to Life and Health			
Exposure Controls	Local exhaust ventilation			
Appropriate Engineering Controls	Ensure eye wash station is available.			
Individual Protective Measures				
Eye / Face Protection	Wear chemical safety goggles			
Skin Protection	gloves and coveralls			
Respiratory Protection	Dust mask or air purifying respirator if dust is being created.			

Section 9. Physical and Chemical Properties	
Appearance	White, crystalline solid
Odour	No odour
Odour Threshold	Not applicable.
pH	7
Flash Point	N/A
Boiling Point and Boiling Range	1420 - 1500 °C (2588 - 2732 °F) (sublimes)
Melting Point and Freezing Point	771 – 773 °C
Evaporation Rate	Not determined
Flammability (solid, gas)	Not flammable
Upper and Lower Flammability or Explosive Limits	No data
Vapour Pressure	Not determined
Vapour Density	Not determined
Relative Density	1.99
Solubility	Soluble
Partition co-efficient, n-Octanol/Water	No data
Auto-ignition Temperature	No data

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Decomposition Temperature	No data
Viscosity	No data

Section 10. Stability and Reactivity	
Reactivity	Stable
Chemical Stability	The product is stable
Possibility of Hazardous Reactions	Will not occur
Conditions to Avoid	None know.
Incompatible Materials	Will react slightly with metals in the presence of water.
Hazardous Decomposition Products	Will not decompose under normal conditions of use.

Section 11. Toxicological Information			
Component Toxicity	LD50 Oral	LD50 Dermal	LC50 Inhalation
Potassium Chloride	2.6g/kg (Rat)	>10g/kg (Rabbit)	>42g/m ³ (Rat), 1h
Likely Routes of Exposure			
Skin:	May cause irritation and redness with prolonged contact.		
Eyes:	May cause irritation and redness.		
Inhalation:	May cause irritation of respiratory tract and mucous membranes.		
Ingestion:	May cause digestive tract disturbances.		
Acute Toxicity Estimates (ATE)	Oral: 2.6 g/kg (Rat)		
STOT (Specific Target Organ Toxicity) – Single Exposure	Not classified		
Aspiration Toxicity	Not classified		
STOT (Specific Target Organ Toxicity) – Repeated Exposure	Not classified		
Skin Corrosion / Irritation	Not classified		
Serious Eye Damage / Irritation	Mild irritation		
Respiratory or Skin Sensitization	Not classified		
Carcinogenicity	Not listed.		
Reproductive Toxicity			
- Sexual Function and Fertility	Not classified		



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- Development of Offspring	Not classified
- Effects on or via Lactation	Not classified
Germ Cell Mutagenicity	Not classified
Interactive Effects	Not classified
Other Information	None known

Section 12. Ecological Information	
Ecotoxicity	No data
Persistence and Degradability	Persistent
Bioacumulative Potential	Not available
Biodegradability	Not available
Mobility in Soil	Not available
Other Adverse Effects	None known

Section 13. Disposal Considerations	
Disposal Considerations	Dispose of contents/container in accordance with local regulations.

Section 14. Transport Information	
UN Number	None
UN Proper Shipping Name	None
Transport Hazard Class(es)	Not regulated
Packaging Group	Not regulated
Environmental Hazards	Not applicable
Bulk Transport	Not applicable
Special Precaution	Not applicable
DOT Erg#	None

Section 15. Regulatory Information	
Canada – DSL Inventory	All components of this product are either on the Domestic Substances List (DSL), Non-Domestic Substances List (NDSL), or exempt
TSCA	All components of this product are either on the Toxic Substances Control Act (TSCA) Inventory List or exempt
Additional Information	None

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Section 16. Other Information	
NFPA Rating	Health-1/ Flammability-0/Reactivity-0/Special Hazard-Not applicable
HMIS Rating	Health-1/Flammability-0/Reactivity-0/Personal Protection-See Section 8.
Prepared by:	Chemfax Products Ltd., Technical Department
Date Prepared:	11 April, 2011
Date of Latest Revision:	25 January 2021
Disclaimer	
Notice to reader	
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