


Material Safety Data Sheet

Section 1. Chemical Product and Company Identification		
Product Name:	Potassium Chloride	Version: 2 Effective Date: June 23, 2014
Supplier/ Manufacturer:	Chemfax Products Ltd. 11444 – 42 Street SE Calgary, AB T2C 5C4 Tel: 403-287-2055	
Material Uses		
24 Hour Emergency	Canutec (613) 996-6666	
WHMIS		
		
This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR		
HMIS Ratings for this product are: Health 1 , Flammability 0 , Reactivity 0		

Section 2. Composition and Information on Ingredients		
Name	CAS#	% by weight
Potassium Chloride	7447-40-7	60 - 100
See Section 8 for information on permissible exposure limits and threshold limit values		

Section 3. Hazards Identification	
Physical State and Appearance	White, crystalline solid, with no odour
Hazard Summary	Possible irritant
Routes of Exposure	Skin, eye, inhalation and ingestion
Potential Acute Health Effects	<p>Skin: May cause irritation. Continued and repeated exposure may cause defatting and drying of the skin</p> <p>Eyes: May cause eye irritation</p> <p>Inhalation: Dust may cause irritation of the nose, throat and respiratory tract</p> <p>Ingestion: May cause stomach distress, nausea or vomiting</p>

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Medical Conditions Aggravated by Exposure	None known
See Toxicological Information – Section 11	
Additional Hazard Identification Remarks	None

Section 4. First Aid Measures	
Eye Contact	Flush eyes with water for 15 minutes. Seek medical attention.
Skin Contact	Flush area with water. If irritation persists seek medical attention. Launder clothing before reuse.
Inhalation	Remove victim to fresh air. If there is difficulty breathing, seek immediate medical attention.
Ingestion	Give two glasses of water if conscious. Do not induce vomiting. Lay victim on left side to prevent aspiration of any vomit. Seek immediate medical attention.
Notes to Physician	None
Additional First Aid Remarks	None

Section 5. Fire Fighting Measures	
Flammability of the Product	Non flammable
Flash Point	Not applicable
Explosive Limits	Not applicable
Auto Ignition Temperature	Not applicable
Static Discharge	No
Suitable Extinguishing Media	Use extinguishing media suitable for surrounding fire
Hazardous Combustion Products	Halogenated compounds and hydrogen chloride
Precautions for Fire Fighting	Fire fighters 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	Gloves, safety glasses, respiratory protection if dust is being created
Environmental Precautions	Do not allow product to enter sewers or surface watercourses.
Methods for 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	
Handling	Handling with care, dust may cause eye, skin and respiratory tract irritation
Storage	Store in a cool, dry place. Keep container closed when not in use.

Section 8. Exposure Controls and Personal Protection			
Exposure Guidelines	TWA: 8 Hr	STEL: 15 min	Ceiling
Potassium chloride	Not established for this product		
Exposure Controls	Local exhaust ventilation		
Personal Protection			
Respiratory	Dust mask or air purifying respirator if dust is being created		
Skin	Gloves		
Eyes	Safety glasses		
Other	None		

Section 9. Physical and Chemical Properties	
Physical State and Appearance	White, crystalline solid, with no odour
Odour Threshold	Not applicable
pH	Not applicable
Boiling Point	1422 °C
Melting Point / Freezing point	1500 °C
Evaporation Rate	Not applicable
Vapour Density	Not applicable
Vapour Pressure	Not applicable
Relative Density	1.99
Solubility in Water	Very soluble
% Volatile	Not applicable
Other Data	None

Section 10. Stability and Reactivity	
Chemical Stability	Stable
Hazardous Polymerisation	Will not occur
Conditions to Avoid	None known
Materials to Avoid	Will react slightly with metals in the presence of water
Hazardous Decomposition Products	Will not decompose under normal conditions of use

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Section 11. Toxicological Information	
Principle Routes of Exposure	
Skin:	May cause irritation. Continued and repeated exposure may cause defatting and drying of the skin
Eyes:	May cause eye irritation
Inhalation:	Inhalation: Dust may cause irritation of the nose, throat and respiratory tract
Ingestion:	Ingestion: May cause stomach distress, nausea or vomiting
Additional Information	
Acute Toxicity	
Potassium chloride	LD50: 2600 mg/kg (Rat, oral)
Chronic Toxic Effects – None known	
Carcinogenicity – Not listed	
Reproductive Toxicity / Teratogenicity / Embryotoxicity / Mutagenicity – None known	

Section 12. Ecological Information	
Ecotoxicity	LC50: 2010 mg/L (Lepomis macrochirus)
BOD and COD	No data
Biodegradability / OECD	Not applicable
Toxicity of the Products of Biodegradation	Not applicable
Special Remarks	None

Section 13. Disposal Considerations	
Dispose of in accordance with local, provincial and federal regulations	

Section 14. Transport Information	
TDG Classification	Not regulated under TDG
Emergency Response Guide #	Not applicable
Marine Pollutant	No
Special Precautions	None

Section 15. Regulatory Information	
Canada – DSL Inventory	All components of this product are either on the Domestic Substances List (DSL) or Non-Domestic Substances List (NDSL) or exempt

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TSCA	All components of this product are either on the Toxic Substances Control Act (TSCA) Inventory List or exempt
WHMIS Hazard Class	D2B
Additional Information	None

Section 16. Other Information	
Prepared by: Chemfax Products Ltd., Technical Department	
Date Prepared:	11 April, 2011
Revision Date:	23 June 2014
Disclaimer Notice to reader	
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