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## MATERIAL SAFETY DATA SHEET

**PRODUCT NAME: Potassium Chloride**

**PO200-00**

### SECTION 01: PRODUCT INFORMATION AND COMPANY INFORMATION

**MANUFACTURER:** Same as above  
**PREPARED BY:** Production Department  
**VERSION DATE:** 15-Dec-14  
**TELEPHONE NO.:** (519) 451-1614  
**EMERGENCY PHONE NO.:** (613) 996-6666  
**CHEMICAL FAMILY:** Inorganic salt.      **CHEMICAL FORMULA:** NaCl  
**MOLECULAR WEIGHT:** Not Applicable      **MATERIAL USE:** Please Refer to technical literature  
**SYNONYMS:**

### SECTION 02: COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients	Conc. Approx. %	C.A.S. #	LD/50 (RTE/SPEC)	LC/50 (RTE/SPEC)	TLV
No regulated components.	N.Av.	N.Av.	N.Av.	N.Av.	N.Av.

### SECTION 03: HAZARD IDENTIFICATION

#### ROUTE OF ENTRY

**Eyes:** This product may irritate eyes and skin upon contact.  
**Skin:** This product may irritate eyes and skin upon contact.  
**Inhalation:** Inhalation of dust may produce irritation to the gastro-intestinal or respiratory tract.  
**Ingestion:** Ingestion of excessive quantities of this substance may produce irritation of the gastro-intestinal tract, characterized by irritation, nausea, vomiting and diarrhea.

### SECTION 04: FIRSTAID

**Skin Contact:** May cause skin irritation. Wash contaminated skin with soap and water. Cover dry or irritated skin with a good quality skin lotion. If irritation persists, seek medical attention.  
**Eye Contact:** May cause irritation by mechanical action. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Obtain medical attention if irritation persists.  
**Inhalation, Acute:** Over-exposure by inhalation may cause respiratory irritation. Allow the person to rest in a well ventilated area. Loosen tight clothing around the neck and waist. Obtain medical attention if irritation persists.  
**Ingestion:** Irritating to mouth, throat and stomach. If large amounts are ingested and person is conscious, give several glasses of water or milk and induce vomiting. Lower the head so that vomit will not reenter the mouth and throat. Obtain medical advice.

**Notes to physician:** N.Av.

**SECTION 05: FIRE EXPLOSION HAZARD AND FIRE FIGHTING MEASURES**

<b>FLAMMABLE?</b>	No
<b>IF YES, UNDER WHICH CONDITIONS?</b>	Irritating to mouth, throat and stomach. If large amounts are ingested and person is Non-flammable
<b>FLASH POINT (TCC) (C):</b>	Not Available
<b>FLAMMABLE LIMITS:</b>	<b>LEL(% BY VOL.):</b> Not Available <b>UEL(% BY VOL.):</b> Not Available
<b>AUTO IGNITION TEMPERATURE (C)</b>	Not Available
<b>EXTINGUISHING MEDIA</b>	Non-flammable. Use extinguishing media suitable for surrounding materials.
<b>SPECIAL PROCEDURES:</b>	
<b>HAZARDOUS COMBUSTION PRODUCTS:</b>	Not Available
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS</b>	Not Available
<b>SENSITIVITY TO STATIC DISCHARGE</b>	Not Available
<b>SENSITIVITY TO MECHANICAL IMPACT:</b>	Not Available

**SECTION 06: ACCIDENTAL RELEASE MEASURES**

**Leak and Spill Procedure:** SMALL SPILL: Use appropriate tools to put spilled solid in a suitable container for intended use or disposal.  
LARGE SPILL: Use appropriate tools to put spilled solid in a suitable container for intended use or disposal. Prevent additional discharge of material, if possible to do so without hazard. Prevent spills from entering sewers, watercourses, wells, etc. Recover and place material in suitable containers for recycle, reuse, or disposal. Ensure disposal complies with government requirements and local regulations.

**SECTION 07: HANDLING AND STORAGE****Handling Procedures and Storage Requirements**

Storage: Contains moisture sensitive material; store in a dry place. Product will absorb moisture and will cake when dried.

**SECTION 08: PERSONAL PROTECTIVE EQUIPMENT / EXPOSURE CONTROLS**

<b>GLOVES/TYPE:</b>	Where significant skin contact may occur as a result of prolonged or repeated exposures, wear long sleeved clothing, coveralls, leather gloves
<b>RESPIRATOR/TYPE:</b>	Use a filtering facepiece dust respirator if concentrations may exceed the occupational exposure limit.
<b>EYE/TYPE:</b>	Use safety glasses with side shields.
<b>OTHER/TYPE:</b>	Not Available
<b>ENGINEERING CONTROL</b>	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust use appropriate ventilation to keep exposure to airborne contaminants below the exposure limit.

**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

<b>PHYSICAL STATE/APPEARANCE:</b>	Crystalline solid	<b>ODOUR THRESHOLD:</b>	N. Av.
<b>ODOUR:</b>	Odourless	<b>VAPOUR DENSITY (Air=1):</b>	N. Av.
<b>VAPOUR PRESSURE (mm Hg @ 20C):</b>	N. Av.	<b>SPECIFIC GRAVITY:</b>	1.984
<b>EVAPORATION RATE (Ether = 1):</b>	N. Av.	<b>FREEZING POINT (C)</b>	N. Av.
<b>BOILING POINT (C):</b>	1411°C	<b>% VOLATILE (WT):</b>	N. Av.
<b>Ph (% SOLUTION):</b>	9		
<b>SOLUBILITY IN WATER (% W/W)</b>	Readily soluble in water		

**SECTION 10: STABILITY AND REACTIVITY**

**CHEMICALLY STABLE?** Yes

**IF NO, UNDER WHICH CONDITIONS?**

**INCOMPATIBILITY WITH OTHER SUBSTANCES** Yes

**IF YES, WITH WHICH ONES:** Incompatible with bromine trifluoride or trichloride, potassium dichromate and sulfuric acid, or hot nitric acid.

**SPECIAL REACTIVITY AND UNDER WHAT CONDITIONS**

**HAZARDOUS DECOMPOSITION PRODUCTS:**

**SECTION 11: TOXICOLOGICAL INFORMATION**

**EXPOSURE LIMIT OF MATERIAL**

**LC 50 OF MATERIAL, SPECIES AND ROUTE**

**LD 50 OF MATERIAL, SPECIES AND ROUTE**

**CARCINOGENICITY OF MATERIAL**

**REPRODUCTIVE EFFECTS:**

**IRRITANCY OF MATERIAL**

**SENSITIZING CAPABILITY OF MATERIAL**

**SYNERGISTIC MATERIALS**

**SECTION 12: ECOLOGICAL INFORMATION**

**AQUATIC TOXICITY** Low toxicity to fish and other water organisms. Spills of large quantities of this product may affect fresh water species. Product may degrade water quality and taste. Notify downstream water users. Will dissolve and disperse in water. Reclaiming material may not be viable.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL:** Recover and place material in a suitable container for intended use or disposal. Ensure disposal complies with government requirements and local regulations.

**SECTION 14: TRANSPORT INFORMATION**

**TDG CLASSIFICATION** Class 0, Non Regulated

**UN NUMBER:**

**PACKING GROUP:**

**Special Provisions for Transport**

**SECTION 15: REGULATORY INFORMATION**

**WHMIS CLASSIFICATION** Not Regulated

**SECTION 16: OTHER INFORMATION**

**ABBREVIATIONS USED:** N.Av. = Not Available  
N.App. / N.Ap. = Not Applicable

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**SOURCES:** Supplier MSDS

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