Material Safety Data Sheet

EMERGENCY NUMBERS:

(USA) CHEMTREC : 1(800) 424-9300 (24hrs)
(CAN) CANUTEC : 1(613) 996-6666 (24hrs)
(USA) Anachemia : 1(518) 297-4444
(CAN) Anachemia : 1(514) 489-5711

WHMIS	Protective Clothing	TDG Road/Rail
Not controlled under WHMIS (Canada).		Not controlled under TDG (Canada). PIN: Not applicable. PG: Not applicable.
		

Section I. Product Identification and Uses

Product name	**CONDUCTIVITY STANDARD 10 - 10000 uS/cm**
Chemical formula	KCl in H2O
Synonyms	AC-2566, AC-2567, AC-2568, AC-2569, AC-2570, 26872, 26875, 26878, 26881, 26885, M-10368, M-10516, M-11322, M-11542, 10230
Supplier	Anachemia Canada. 255 Norman. Lachine (Montreal), Que H8R 1A3
Material uses	For laboratory use only.

CI#	Not available.
CAS#	Not applicable.
Code	AC-2566
Formula weight	Not applicable.
Supersedes	

Section II. Ingredients

Name	CAS #	%	TLV
1) POTASSIUM CHLORIDE 2) WATER	7447-40-7 7732-18-5	<1.0 Balance	Not established by ACGIH Not established by ACGIH

Toxicity values of the hazardous ingredients

POTASSIUM CHLORIDE:
ORAL (LD50): Acute: 2600 mg/kg (Rat). 1500 mg/kg (Mouse).
INTRAVENOUS (LD50): Acute: 142 mg/kg (Rat). 117 mg/kg (Mouse).
INTRAPERITONEAL (LD50): Acute: 660 mg/kg (Rat). 620 mg/kg (Mouse).

Section III. Physical Data

Physical state and appearance / Odor	Colorless liquid.
pH (1% soln/water)	Not available.
Odor threshold	Not available.
Percent volatile	>90%
Freezing point	Not available.
Boiling point	Not available.
Specific gravity	Not available.
Vapor density	Not available.
Vapor pressure	Not available.
Water/oil dist. coeff.	Not available.
Evaporation rate	Not available.
Solubility	Miscible in water.

Section IV. Fire and Explosion Data

Flash point	Not applicable.
Flammable limits	Not applicable.
Auto-ignition temperature	Not applicable.
Fire degradation products	Oxides of potassium. Chlorides. Hydrogen chloride.
Fire extinguishing procedures	Use extinguishing media suitable for surrounding materials. Wear adequate personal protection to prevent contact with material or its combustion products. Self contained breathing apparatus with a full facepiece operated in a pressure demand or other positive pressure mode.
Fire and Explosion Hazards	The sensitivity to static discharge is not available. The sensitivity to impact is not available. Emits toxic fumes under fire conditions.

Section V. Toxicological Properties

Routes of entry	Eye contact. Inhalation and ingestion.
Effects of Acute Exposure	May be harmful by ingestion and inhalation.
Eye	May cause irritation, redness and conjunctivitis.
Skin	May cause irritation and dermatitis.
Inhalation	May cause respiratory tract irritation. Exposure may cause coughing.
Ingestion	May cause gastrointestinal irritation, nausea, vomiting, weakness, insomnia, cardiac arrythmia.

Section V. Toxicological Properties

Effects of Chronic Overexposure	Passes through the placental barrier in animal. Carcinogenic effects: Not available. Mutagenic effects: Not available. Teratogenic effects: Not available. To the best of our knowledge, the chemical, physical, and toxicity of this substance has not been fully investigated.

Section VI. First Aid Measures

Eye contact	Wash eyes and skin with copious quantities of water for at least 15 min. Call a physician.
Skin contact	Immediately flush skin with plenty of water and soap for at least 15 minutes while removing contaminated clothing and shoes. Call a physician. Wash contaminated clothing before reusing.
Inhalation	Remove patient to fresh air. Administer approved oxygen supply if breathing is difficult. Administer artificial respiration or CPR if breathing has ceased. Call a physician.
Ingestion	If conscious, wash out mouth with water. Have conscious person drink several glasses of water to dilute. Induce vomiting. Call a physician. Never give anything by mouth to an unconscious or convulsing person.

Section VII. Reactivity Data

Stability	Stable. Conditions to avoid: High temperatures, sparks, open flames and all other sources of ignition, contamination.
Hazardous decomp. products	Not available.
Incompatibility	Strong oxidizing agents and strong acids. Reacts violently with: bromine trifluoride, bromine trichloride, sulfuric acid and potassium permanganate. Water may react with water reactive materials (sodium, potassium, etc...).
Reaction Products	Not available. Hazardous polymerization will not occur.

Section VIII. Preventive Measures

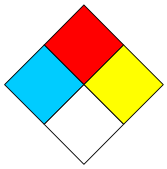
Protective Clothing in case of spill and leak	Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves.
Spill and leak	Absorb on sand or vermiculite and place in a closed container for disposal. Ventilate area and wash spill site after material pick up is complete.
Waste disposal	According to all applicable regulations.
Storage and Handling	Store in a well ventilated area. Store away from incompatible materials. Do not add any other material to the container. Do not breathe gas/fumes/vapor/spray. In case of insufficient ventilation, wear suitable respiratory equipment. Keep container tightly closed. Manipulate in a well ventilated area or under an adequate fume hood. Handle and open container with care. This product must be manipulated by qualified personnel. Do not get in eyes, on skin, or on clothing. Wash well after use. In accordance with good storage and handling practices. Do not allow smoking and food consumption while handling.

Section IX. Protective Measures

Protective clothing	Splash goggles. Impervious gloves, coveralls, and/or other resistant protective clothing. Sufficient to protect skin. A OSHA/MSHA jointly approved respirator is advised in the absence of proper environmental controls. Do not wear contact lenses. Make eye bath and emergency shower available. Ensure that eyewash station and safety shower is proximal to the work-station location.
Engineering controls	Manipulate in a well ventilated area or under an adequate fume hood. Do not use in unventilated spaces.

Section X. Other Information

Special Precautions or comments Do not breathe vapor. Handle and open container with care. Container should be opened only by a technically qualified person.
RTECS NO. TS8050000 (Potassium chloride).



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Prepared by MSDS Department/Département de F.S..

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