


Mettler-Toledo, Inc.

Address 1900 Polaris Parkway, Columbus, OH 43240-4035 USA
 Phone 1-800-METTLER (1-800-638-8537)
 Fax 1-614-438-4525
 Internet www.mt.com

Material Safety Data Sheet

EMERGENCY NUMBERS:

(USA) CHEMTREC : 1(800) 424-9300 (24hrs)
 (CAN) CANUTEC : 1(613) 996-6666 (24hrs)

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 1413 uMHOS										
Chemical formula	KCl in H ₂ O										
Synonyms	C-1050										
	<table border="1"> <tr> <td>CI#</td> <td>Not available.</td> </tr> <tr> <td>CAS#</td> <td>Not applicable.</td> </tr> <tr> <td>Code</td> <td>C-1050</td> </tr> <tr> <td>Formula weight</td> <td>Not applicable.</td> </tr> <tr> <td>Supersedes</td> <td></td> </tr> </table>	CI#	Not available.	CAS#	Not applicable.	Code	C-1050	Formula weight	Not applicable.	Supersedes	
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Code	C-1050										
Formula weight	Not applicable.										
Supersedes											
Material uses	For laboratory use only.										

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

<p>Toxicity values of the hazardous ingredients</p> <p>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).</p>
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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 arrhythmia.

Section V. Toxicological Properties

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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

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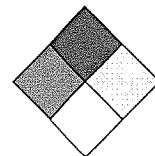
Protective Clothing in case of spill and leak	Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves.
Spill and leak	Absorb on sand or vermiculite and place in a closed container for disposal. Ventilate area and wash spill site after material pick up is complete.
Waste disposal	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).



NFPA

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

Validated 16-Apr-2014



While the company believes the data set forth herein are accurate as of the date hereof, the company makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. Such data are offered solely for your consideration, investigation and verification.