

MATERIAL SAFETY DATA SHEET

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DATE REVISED: 1-26-11
PREPARED BY: T. Phillips

SECTION 1-Product Identification

Product Name: Total Chlorine Fill Solution
Synonyms: 9210438
Part Number: 1700664

SECTION 2-Composition/Information on Ingredients

Ingredient(s)	CAS #	Percent	Hazardous
Silver Iodide	7783-96-2	0.25	No
Potassium Iodide	7681-11-0	1.7	No
Potassium Chloride	7447-40-7	7.4	No
Non-hazardous Ingredients (water)		90.65	No

SECTION 3-Hazards Identification

Health Rating: 0
Flammability Rating: 0
Reactivity Rating: 0
Contact Rating: 0
Lab Protective Equip: gloves, safety goggles, Lab Coat

SECTION 4-First Aid Measures

INHALATION: No adverse effects expected.
INGESTION: Large oral doses may cause irritation to the gastrointestinal tract.
SKIN CONTACT: May cause irritation, redness and pain.
EYE CONTACT: May cause irritation, redness and pain.

SECTION 5-Fire Fighting Measures

Fire: Not Combustible
Explosion: The solution is not an explosion hazard
Fire Extinguishing Media: Fight Surrounding Fire
Special Information: N/A

SECTION 6-Accidental Release Measures

Wear protective gloves, goggles and dike area. Collect liquid in an appropriate container or absorb with an inert material (vermiculite, dry sand etc.)

SECTION 7-Handling and Storage

Keep in a tightly closed container, store in a cool, dry, ventilated area.
Store at room temperature in a dry area.

SECTION 8-Exposure Controls/Personal Protection

Airborne Exposure Limits: N/E
Ventilation System: Not Required
Personal Respirators (NIOSH Approved): Not Required
Skin Protection: Rubber Gloves, lab coat (optional)
Eye Protection: Safety Goggles

SECTION 9-Physical and Chemical Properties

Appearance: Clear- although may change color slightly if exposed to light
Odor: N/A
Solubility: Miscible in water
Specific Gravity: N/E
pH: around 7
Boiling Point: 104C
Melting Point: N/A
Vapor Density (Air=1): N/A
Vapor Pressure (mm Hg): N/E
Evaporation Rate (BuAc=1): N/E

SECTION 10-Stability and Reactivity

Stability: Stable
Hazardous Decomposition Products: emits toxic fumes of chlorine and potassium oxide when heated to decomposition.
Hazardous Polymerization: Will not occur.
Incompatibilities: For potassium chloride: Incompatible with iron and cement.
Explosive reaction with BrF3; sulfuric acid, and potassium permanganate.
Conditions to Avoid: Heat and incompatibles.

SECTION 11-Toxicological Information:

Routes of absorption: Skin, eyes, ingestion
Potassium Chloride: Oral rat LD50: 2600 mg/kg.
This is not an anticipated or known carcinogen.

SECTION 12-Ecological Information

Environmental Fate:
No information found
Environmental Toxicity:
No information found

SECTION 13-Disposal Considerations

Material must be stored and disposed of in accordance with all local, state and federal laws. Whatever can not be saved for recovery or neutralized should be sent to a RCRA approved incinerator or disposed in a RCRA approved waste facility.

SECTION 14-Transport Information

Not regulated

SECTION 15-Regulatory Information

-----\Chemical Inventory Status - Part 1\-----
Ingredient TSCA EC Japan Australia

Potassium Chloride (7447-40-7) Yes Yes Yes Yes

-----\Chemical Inventory Status - Part 2\-----

Ingredient	--Canada--			
	Korea	DSL	NDSL	Phil.
Potassium Chloride (7447-40-7)	Yes	Yes	No	Yes

-----\Federal, State & International Regulations - Part 1\-----

Ingredient	-SARA 302-		-----SARA 313-----	
	RQ	TPQ	List	Chemical Catg.
Potassium chloride (7447-40-7)	No	No	Yes	No

-----\Federal, State & International Regulations - Part 2\-----

Ingredient	CERCLA	-RCRA-		-TSCA-
		261.33	8(d)	
Potassium Chloride (7447-40-7)	No	No	No	No

Chemical Weapons Convention: No TSCA 12(b): No CDTA: Yes
 SARA 311/312: Acute: Yes Chronic: Yes Fire: No Pressure: No
 Reactivity: No (Pure / Liquid)

Australian Hazchem Code: none allocated

Poison Schedule: None allocated.

WHMIS:

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

SECTION 16-Other Information

Label Hazard Warning:

DANGER! CORROSIVE. LIQUID AND MIST CAUSE SEVERE BURNS TO ALL BODY TISSUE. MAY BE FATAL IF SWALLOWED OR CONTACTED WITH SKIN. HARMFUL IF INHALED. AFFECTS TEETH. CANCER HAZARD. STRONG INORGANIC ACID MISTS CONTAINING SULFURIC ACID CAN CAUSE CANCER. Risk of cancer depends on duration and level of exposure.

NFPA Ratings: Health:0 Flammability:0 Reactivity:0 Special: (Contact=0)

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