

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT INFORMATION

Product name: HVLC 946

WHMIS Classification: D2B

Chemical family: Aqueous solution. Alkali.

Material use: All Purpose Cleaner

Supplier name and address:

Manufacturer name and address:

G.F. THOMPSON CO. LTD.
620 Steven Court, Unit # 11
Newmarket, Ontario
L3Y 6Z2
Tel.: 905-898-2557

Refer to supplier

Emergency Tel. #:

(905) 898-2557

SECTION II – COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS#	%	LD50 and LC50	ACGIH TWA	Ecotoxicity – Aquatic Toxicity			
Ethoxylated C12-15 Alcohol	68131-39-5	3 - 7	Not available	Not available	Not Available			
Disodium Metasilicate	6834-92-0	1 - 5	Oral LD50 Rat: 600 mg/kg	Not available	Not Available			

SECTION III - PHYSICAL DATA

Appearance: Clear, colourless to pale yellow liquid.
Physical State: Liquid
Odour: Citrus
Boiling Point: Not Available
Specific Gravity (H₂O=1): 1.04
VOC (%): 0
Vapour Density (Air=1): Not available
Evaporation Rate: Not available
Solubility in Water: Completely
pH: 12.9
Viscosity: Not available

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SECTION IV - FIRE AND EXPOSION DATA

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Flash Point (°C):	Aqueous solution.
Flame Projection:	Not Applicable
NFPA Classification:	Not Applicable
Lower Explosive Limit:	Not Available
Upper Explosive Limit:	Not Available
Autoignition Temp. (°C):	Not Available
Sensitivity to Mechanical Impact:	Not Applicable
Conditions of Flammability:	Vapours are heavier than air and may travel or be moved along the ground to an ignition source at locations distant from material handling. Essentially non-flammable.
Sensitivity to Static Discharge:	Not Available
Hazardous Combustion:	Carbon dioxide, carbon monoxide and other unidentified organic compounds.
Extinguishing Media:	Alcohol foam or water fog for large fires. Carbon dioxide or dry chemical for small fires. Use water spray to cool fire exposed containers and prevent bursting. Do not use a direct stream of water.

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SECTION V –REACTIVITY DATA

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Conditions of Instability:	Stable at ambient and moderately elevated temperatures and pressures.
Incompatible Materials:	Avoid strong oxidizers such as HOOH, HNO ₃ , and oleum. Avoid strong alkalis and strong mineral acids. Avoid aluminum, tin, zinc, copper and their alloys.
Hazardous Decomposition:	See hazardous combustion products.
Hazardous Polymerization:	Will not occur.
Conditions of Reactivity:	Avoid excessive heat, sparks and open flame. Avoid contact with incompatible materials.

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SECTION VI - TOXICOLOGICAL PROPERTIES OF PRODUCT

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Ingestion:	May cause a burning sensation and possible tissue damage of the mucus membranes and the digestive tract.
Inhalation:	High concentrations may cause respiratory irritation and central nervous system depression with results ranging from dizziness and headache to unconsciousness.
Skin Contact:	Eye and skin irritant.
Eye Contact:	Severely irritating. If not removed promptly, will injure eyes which may result in permanent damage.
Chronic Effects:	Prolonged or repeated exposure can result in drying of the skin, irritation and dermatitis.
Irritancy of Product:	Eye and skin irritant.
Sensitization to product:	Contains no known skin or respiratory sensitizers.
Carcinogenicity:	No components are listed as carcinogens by ACGIH, IARC, OSHA, or NTP.
Reproductive Effects:	Not available.
Teratogenicity:	Not available.
Mutagenicity:	Not available.
Synergistic Products:	Not available.
Other Information:	No toxicological information is available for this product.

SECTION VII – PREVENTIVE MEASURES

Respiratory Protection:	Not normally required. If the TLV is exceeded, a NIOSH-approved respirator is advised.	
Gloves:	Neoprene. Viton™. Natural Rubber. Nitrile.	
Eyewear:	Safety glasses. Contact lenses should not be worn. They may contribute to the severity of the injury.	
Clothing:	Sufficient clothing to prevent skin contact.	
Ventilation:	Sufficient mechanical ventilation to maintain exposures below the TLV. General mechanical ventilation is not recommended as the sole means of controlling exposure. Make-up air should always be supplied to balance air exhausted.	
Other Protective Equipment:	Emergency showers and eyewash facilities should be nearby. The selection of personal protective equipment will vary depending on the conditions of use.	
Leak or spill procedure:	Absorb spilled product with an inert absorbent material. Scrape or shovel into containers. Wear acid resistant protective clothing and respiratory equipment. Stop leak if it is possible. Eliminate ignition sources. Contain the spill by diking. Neutralize with soda ash or lime. Avoid contamination of sewers and waterways with non-neutralized materials.	
Waste Disposal:	Reuse or recycling should be given priority over disposal under any circumstances. Do not dump unused contents into sewers, on the ground or into any body of water. Destroy by incineration or biological treatment according to applicable legislature.	
Handling Procedures:	Containers of this material may contain hazardous residues when emptied. Do not cut, weld, drill or grind on or near this container. Use with adequate ventilation. Avoid breathing vapours. Avoid skin and eye contact. Wear all appropriate personal protective equipment during use. Use good personal hygiene. Avoid smoking, eating, and drinking during use. Wash with soap and water after handling.	
Storage Requirements:	Store in a cool area, away from all sources of heat, ignition and incompatibles. Keep away from children. Keep containers tightly closed when not in use. Keep from freezing.	
Transportation Information:	Road Shipment	Not regulated by TDGR.
	Marine shipment	Not regulated by IMDG.
	Air Shipment	Not regulated by IATA, ICAO.
	Exemption	None required.

SECTION VIII – FIRST AID MEASURES

Skin contact:	Remove contaminated clothing and launder before reuse. Seek medical attention if irritation persists. Thoroughly wash exposed area with soap and water.
Eye Contact:	Immediately flush eyes with large amounts of water for 30 – 60 minutes. Remove contact lenses, if any, after the initial flushing and then continue flushing.
Inhalation:	Not necessary under normal conditions of use. If affected, remove to fresh air. If breathing has stopped, give artificial respiration. Get medical attention.
Ingestion:	Do not induce vomiting. If conscious, immediately drink one half to one glass of water to dilute. Call physician.
Additional Information:	Not available.

SECTION IX – REGULATORY INFORMATION

WHMIS:	D2B
CEPA:	All components are listed on the Domestic Substances List (DSL).
CPR Compliance:	This product has been classified in accordance with the hazard criteria for the CPR and the MSDS contains all of the information required by the CPR.

SECTION X - PREPARATION INFORMATION

Prepared by:	G. F. Thompson Co. Ltd.
Phone number:	(905) 898-2557
Preparation date:	August 18, 2009
