

Material Safety Data Sheet

WHMIS	Protective Clothing	TDG Road/Rail
		

SECTION I - PRODUCT IDENTIFICATION AND PREPARATION INFORMATION

Product name: Greer Lav Clean (67951) **Effective Date:** 1/1/2012 **Code No.:** 1113CB

Product use: Toilet bowl cleaner

WHMIS: WHMIS CLASS D-1A: Material causing immediate and serious toxic effects (VERY TOXIC).
WHMIS CLASS E: Corrosive liquid.

TDG: Consumer Commodity / Limited Quantity
TDG CLASS 8: Corrosive liquid.
Shipping name: Hydrochloric Acid Solution UN: 1789 PG: II
***TDG only applies if load is greater than 500 kg (on document)**

Manufacturer: **Supplier:**

W E GREER LIMITED
14704 119 AVENUE
EDMONTON, AB
T5L 2P1
Phone:780-451-1444
Fax:780-451-0334

EMERGENCY PHONE : CANUTEC (613) 996-6666

SECTION II - HAZARDOUS INGREDIENTS

Ingredients	CAS #	Wt%	ACGIH-TLV	LC ₅₀ /LD ₅₀
1) Hydrochloric acid	7647-01-0	10-30	TWA: 5 (ppm)	ORAL (LD50) mg/kg: Acute: 900 (Rabbit).

SECTION III - PHYSICAL DATA

Boiling point: 105°C (221°F)	Specific Gravity: 1.1 (Water = 1)
Vapour Pressure: 3040 mm of Hg (@ 20°C) based on data for: Hydrochloric acid	Vapor Density: 1 (Air = 1)
Solubility in Water: Soluble	Percent Volatile: 99% (w/w).
Physical State: Liquid. (Opaque)	Evaporation Rate: 1 [Butyl acetate.]
Appearance and Odour: White. Pungent.	pH (as supplied): <1.0
	Viscosity: Water thin

SECTION IV - FIRE AND EXPLOSION DATA

Flammability: Non-flammable.

Flash Points: Not applicable.

Flammable Limits: Not applicable.

Hazardous Combustion Products: Not applicable.

Means of Extinction: Use extinguishing media suitable for surrounding materials.

Special Fire Hazards: Not available.

SECTION V - REACTIVITY DATA

Stability: The product is stable.

Incompatibility: Extremely reactive or incompatible with metals, alkalis, halogenated compounds Slightly reactive to reactive with moisture

Hazardous Decomposition Products: Hydrogen and chlorine gas.

SECTION VI - TOXICOLOGICAL PROPERTIES

Routes of Entry	Absorbed through skin. Eye contact. Inhalation. Ingestion.
Acute Effects on Humans:	Extremely hazardous in case of ingestion. Very hazardous in case of skin contact (corrosive, irritant, permeator), of eye contact (irritant, corrosive), of inhalation. Ingestion causes severe irritation or corrosive burns to mouth, throat, esophagus and stomach. Symptoms may include difficulty in swallowing, intense thirst, nausea, vomiting, diarrhea and in severe cases, collapse and death. Liquid or spray mist may produce tissue damage particularly on mucous membranes of eyes, mouth and respiratory tract. Skin contact may produce burns. Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath. Severe over-exposure can result in death. Inflammation of the eye is characterized by redness, watering, and itching. This product may irritate eyes and skin upon contact. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.
Chronic Effects on Humans:	CARCINOGENIC EFFECTS: None known. MUTAGENIC EFFECTS: None known. TERATOGENIC EFFECTS: None known. Toxicity of the product to the reproductive system: None known. Ingestion causes severe irritation or corrosive burns to mouth, throat, esophagus and stomach. Symptoms may include difficulty in swallowing, intense thirst, nausea, vomiting, diarrhea and in severe cases, collapse and death. Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection. Prolonged or repeated exposure can cause drying, defatting and dermatitis.
Synergistic Materials:	Not available.

SECTION VII - PREVENTIVE MEASURES

Gloves:	Gloves (impervious).
Eye Protection:	Splash goggles.
Respiratory Protection:	If the TLV of the product or any component is exceeded a NIOSH/MSHA jointly approved air supplied respirator is advised in the absence of proper environmental controls.
Other Protective Equipment:	Other protective equipment as required by employer code.
Engineering Controls:	General ventilation for room temperature. Use local exhaust for elevated temperature use.
Leak and Spill Procedure:	Before attempting clean-up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.
Waste Disposal:	Recycle to process, if possible. Consult your local or regional authorities.
Storage Requirements:	Store in closed container, away from incompatible materials. Store in a dry, cool and well ventilated area. Ensure storage area has adequate ventilation and no source of open flame or spark.

SECTION VIII - FIRST AID

Eye:	IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. If irritation persists, seek medical attention.
Skin:	Flush with water. Call a doctor if irritation develops. Completely decontaminate clothing, shoes and leather goods before reuse or discard.
Inhalation:	Remove to fresh air. If symptoms persist, call a physician.
Ingestion:	DO NOT induce vomiting. Contact doctor immediately. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness or is convulsing.

SECTION IX - OTHER INFORMATION

References	Not available.
Additional remarks:	No additional remark.
Validated by Lawrason's Inc on 1/1/2012.	Verified by Lawrason's Inc.
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