

# MATERIAL SAFETY DATA SHEET

## Product and Company Identification

**GreenLABS**

CHEMICAL SOLUTIONS

A Division of Superior Solutions Ltd.

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Tel: 1-800-921-5527 [www.superiorsols.com](http://www.superiorsols.com)

**Product Name: SANY+ GLB-103 CLOCKWISE FOAMING SHOWER CLEANER**



**Code:** GLB-103-4S4, GLB-103-4G4

**Material Uses:** Industrial applications: Shower and bathroom cleaner

**24-Hr Emergency Tel:** CANUTEC (613) 996-6666 or \*666 (on a cellular phone)

## Hazardous Ingredients

Ingredients	CAS#	% wt.	LC <sub>50</sub>	LD <sub>50</sub>
Organic Salt	506-89-8	18 - 30	NA	NA
Alcohol Ethoxylate	68991-48-0	4 - 6	NA	Acute: >2000 mg/kg (Oral, Rat)
Citric Acid	77-92-9	1 - 3	NA	Acute: 11700 mg/kg (Oral, Rat); 5040 mg/kg (Oral, Mouse)

HEALTH	2	 
FLAMMABILITY	0	
REACTIVITY	0	
PERSONAL PROTECTION	B	



## Physical Data

**Physical State:** Transparent liquid

**Color:** Pale straw

**Odor:** Fresh

**Odor Threshold:** NA

**pH:** < 1.0 (as is); 1.10 – 1.50 (1:25)

**Volatility:** NA

**Evaporation Rate:** NA

**Freezing Point:** < -30°C (-22°F) based on data for organic salt

**Boiling Point:** The lowest known value is 100°C (212°F) (organic salt)

**Specific Gravity:** 1.07 – 1.08

**Vapor Density:** NA

**Vapor Tension:** NA

**Log K<sub>ow</sub>:** NA

**Ionicity (Surface Active Agent):** Non-ionic

**Dispersion Properties:** See solubility in water

**Solubility:** Easily soluble in cold or hot water

## Fire and Explosion Data

**Flammability:** Non-flammable

**Auto-Ignition Temperature:** Not applicable

**Products of Combustion:** Carbon oxides (CO, CO<sub>2</sub>), nitrogen oxides (NO, NO<sub>2</sub>)

**Flash Point:** Not applicable

**Flammable Limits:** Not applicable

**Extinguishing Media:** In case of fire, use water spray (fog), foam or dry chemicals.

**Explosion Data – sensitivity to mechanical impact:** Not applicable

**Explosion Data – sensitivity to static discharge:** Not applicable

## Stability and Reactivity

**Stability:** Stable

**Conditions to Avoid:** Extreme temperatures.

Heating this product above 110°C (230°F) results in an exothermic decomposition with rapid release of CO<sub>2</sub> gases.

**Hazardous Decomposition Products:** Carbon oxides (CO, CO<sub>2</sub>), nitrogen oxides (NO, NO<sub>2</sub>)

**Degradability:** Biodegradable according to guidelines of OECD 301-D, certified UL environment

**Products of Degradation:** Carbon oxides (CO, CO<sub>2</sub>), nitrogen oxides (NO, NO<sub>2</sub>)

**Corrosivity:** Corrosive in the presence of aluminum only. Non-corrosive to skin and mild steel.

**Incompatible Materials:** Avoid contact with oxidizers. This material may be extremely hazardous in contact with chlorates or nitrates. This material is acidic. Contact with hypochlorites (e.g. chlorine bleach, sulfides, or cyanides) will liberate toxic gases. Contact with alkaline materials (e.g. ammonia) will generate heat.

**Hazardous Polymerization:** Will not occur

## First Aid Measures

**Eyes:** Causes eye burns. Immediately flush with running water for at least 15 minutes, keeping eyelids open. Warm water must be used. If irritation persists, get medical attention.

**Skin:** After contact with skin, wash immediately with plenty of water. Warm water must be used. If irritation persists, seek medical attention.

**Inhalation:** Allow the victim to rest in a well-ventilated area.

**Ingestion:** Do not induce vomiting. Have conscious person drink one or two glasses of water. NEVER give anything by mouth to an unconscious person. Give immediate medical attention.

## Preventive Measures

**Small Spills and Leaks:** Dilute with water and mop up.

**Large Spills:** Dike spill. Do not allow spill to enter open waterways or sewers. Reclaim all material possible. Absorb remainder with inert material and place in suitable containers for disposal. If necessary, **neutralize the residue with a dilute solution of sodium carbonate.** Dispose of in accordance with municipal, provincial and federal regulations. Flush area with water.

**Personal Protective Equipment:** Polyethylene or rubber gloves, safety glasses

**Engineering Controls:** No special ventilation requirements.

**Precautions:** Avoid contact with skin, eyes and clothing. Do not ingest.

**Storage:** Keep container tightly closed. Keep in a cool, well-ventilated area. Do not store in metal containers, especially aluminum. KEEP OUT OF REACH OF CHILDREN.

**Handling:** Keep away from incompatible materials. Avoid contact with skin and eyes.

**Waste Disposal:** Waste must be disposed of in accordance with municipal, provincial and federal regulations.

**Special Shipping Information:** Make sure the container is tightly closed. Avoid contact with oxidizing and alkaline materials. Keep from freezing.

## Toxicological Information

**Routes of Entry:** Eye, Ingestion

**TLV:** NA

**Toxicity to Animals:** Refer to Hazardous Ingredients

**Acute Effects on Humans:** Very hazardous in case of ingestion. Hazardous in case of eye contact (irritant). Slightly hazardous in case of skin contact (irritant). Non-corrosive to skin. Corrosive to eyes.

**Chronic Effects on Humans:** Dermatitis and skin sensitization can develop after repeated and/or prolonged contact with skin.

**Synergistic Products (Toxicologically):** NA

**Skin Irritation/Corrosivity:** This product is an irritant and corrosive for eyes upon contact, and digestive tract if swallowed.

**Sensitization:** Non-sensitizer for skin

**Carcinogenic Effects:** Classified None by OSHA (organic salt)

**Toxicity to Reproductive System:** NA

**Teratogenic Effect:** NA

**Mutagenic Effect:** NA

## Regulatory Information

**TDG Road/Rail:** Not controlled under TDG (Canada)

**Limited Quantity:** 5 L

**Shipping Name:** CORROSIVE LIQUID, ACIDIC, N.O.S. (UREA HYDROCHLORIDE), Class 8, UN 3265, PG III

**WHMIS:** Class E: Corrosive Liquid  
(Note: This material is corrosive to Aluminum only. Non corrosive to skin and mild steel.)

**Preparation Information**

**Prepared By:** GreenLABS QA & Control

**Date:** March 22, 2016

**Tel:** 1-800-921-5527

NA = Not available