

# MATERIAL SAFETY DATA SHEET

## Product and Company Identification



A Division of Superior Solutions Ltd.  
851 Progress Court, Oakville, Ontario Canada L6L 6K1  
Tel: 1-800-921-5527 [www.superiorsols.com](http://www.superiorsols.com)

## Product Name: SANY+ GLDI-H2O2 GENERAL PURPOSE CLEANER

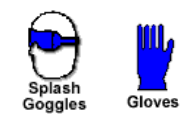
**Codes:** GLDI-H2O2-2S4, GLDI-H2O2-4S4, GLDI-H2O2-2G4, GLDI-H2O2-4G4

**Material Uses:** Industrial applications: Concentrated hydrogen peroxide based cleaner

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

## Hazardous Ingredients

Ingredients	CAS#	% wt.	Exposure Levels	LC <sub>50</sub>	LD <sub>50</sub>
Phosphoric Acid	7664-38-2	1-5	ACGIH TLV-TWA: 1 mg/m <sup>3</sup> TLV STEL: 3 mg/m <sup>3</sup> OSHA-TWA: 1 mg/m <sup>3</sup> STEL: 3 mg/m <sup>3</sup> ; IDLH: 1000 mg/m <sup>3</sup>	1 hr exposure: >850 mg/m <sup>3</sup> (Rat) 1 hr exposure: 25.5 mg/m <sup>3</sup> (Rat)	1250-1530 mg/kg (Oral, Rat) 2730 mg/kg (Dermal, Rabbit)
Lauryl Dimethyl Amine Oxide	1643-20-5	5-10	NA	NA	1064 mg/kg (Oral, Rat) >2000 mg/kg (Dermal, Rabbit)
Hydrogen Peroxide	722-84-1	5-10	ACGIH TLV-TWA: 1 ppm OSHA PEL-TWA: 1 ppm; 1.4 mg/m <sup>3</sup> NIOSH TWA: 1 ppm; 1.4 mg/m <sup>3</sup> IDLH: 75 ppm	4 hr exposure (90% solution): >2000 mg/m <sup>3</sup> (Rat) 4 hr exposure (50% solution): >0.17 mg/L (Rat)	805-1232 mg/kg (35% solution) (Oral, Rat) >2000 mg/kg (35% solution) (Dermal, Rabbit)

HEALTH	1	
FLAMMABILITY	0	
REACTIVITY	1	
PERSONAL PROTECTION	B	



## Physical Data

**Physical State:** Liquid

**Color:** Clear yellow

**Odor:** Clean fresh fragrance

**Odor Threshold:** NA

**pH:** 2.5 – 3.5 (concentrate); 3.07 (1:16 dilution); 3.77 (1:32 dilution); 4.76 (1:128 dilution); 6.16 (1:256 dilution)

**Evaporation Rate:** As water

**Freezing Point:** NA

**Boiling Point:** 100°C (212°F)

**Specific Gravity:** 1.016-1.046

**Vapor Pressure:** As water

**Vapor Density (air = 1):** As water

**VOC Content (%):** 1.08 – 1.58 (EPA Method 24)

**Log K<sub>ow</sub>:** Completely water soluble

## Fire and Explosion Data

**Flammability:** Non-flammable

**Auto-Ignition Temperature:** NA

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

**Flash Point:** None (TCC)

**Conditions of Flammability:** Hydrogen peroxide solutions <8% are very weak oxidizing agents. In a fire, hydrogen peroxide component may release oxygen that can increase the burning rate of flammable materials.

**Extinguishing Media:** As for surrounding fire.

**Explosion Data:** Undiluted product may react with “soft” metals such as aluminum, zinc, tin and galvanized metals, and produce hydrogen gas which is flammable and/or explosive in the presence of an ignition source. Brief incidental contact such as overspray is not expected to cause an explosion hazard.

**Sensitivity to mechanical impact:** Not sensitive

**Sensitivity to static discharge:** Not sensitive

## Reactivity

**Stability:** Stable when used and stored as directed. Agitation and/or exposure to heat or direct sunlight may cause product package to bloat and increase the decomposition rate of the hydrogen peroxide component.

**Incompatible Materials:** Do not mix with reducing agents, alkalis or chlorine containing cleaners as toxic gases may be generated. Avoid contact with aluminum, zinc or galvanized steel.

**Conditions of Reactivity:** Hazardous polymerization will not occur. Avoid excessive agitation and exposure to high temperatures and sunlight. Always add product to water, never water to product as thermal reaction may be generated.

**Hazardous Decomposition Products:** Oxides of carbon, nitrogen, and phosphorus. Contact with hypochlorites such as bleach, sulfides or cyanides will generate toxic gases.

## First Aid Measures

**Eyes:** Flush eyes with abundant water for at least 20 minutes while holding eyelids open to ensure complete irrigation of the entire eye cavity. **Get immediate medical attention.**

**Skin:** Wash skin with soap and water for at least 20 minutes. Remove contaminated clothing. If symptoms persist, get medical attention.

**Inhalation:** Remove victim to fresh air. Assist breathing as needed. If symptoms persist, get medical attention.

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

**Notes to Physician:** All treatments should be based on observed signs/symptoms of distress in the patient. The possibility of exposure to materials other than this product should be considered.

## Preventive Measures

**Small Spills and Leaks:** Wipe up spill. Flush area with water.

**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, corrosion resistant containers for disposal. Flush area with abundant water.

**Personal Protective Equipment:** Rubber or vinyl gloves, chemical splash goggles, rubber boots (as needed)

**Engineering Controls:** Use in a well-ventilated area. Use general mechanical and/or local exhaust if exposure limits are exceeded. Use corrosion resistant equipment.

**Storage:** Store in a cool, dry area away from incompatible materials and excessive temperatures. Avoid excessive agitation of container. Keep container closed when not in use. Do not freeze. **KEEP OUT OF REACH OF CHILDREN.**

**Handling:** Corrosive product – handle with care. Avoid contact with skin, eyes or clothing. Avoid excessive inhalation of spray mists. Do not re-use empty containers. Remove contaminated clothing and launder before re-use. Wash hands thoroughly after use. Mix only with water. Do not mix with

chlorine-containing products. Read and follow label instructions. Do not contaminate food, water or feed during use or storage of this product. Use in a well-ventilated area. Remove lid carefully, allowing any pressure to vent off. Avoid excessive agitation of container. Always add product to water; never water to product.

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

### **Toxicological Information**

**Irritancy of Product:** Moderate skin irritant, serious eye irritant

**Sensitization to Material:** Lauryl Dimethyl Amine Oxide component is not a sensitizer

**Carcinogenicity:** No known carcinogens listed by OSHA, IARC or NTP. Hydrogen peroxide component has an ACGIH classification of A3 – confirmed animal carcinogen with unknown relevance to humans. IARC has concluded there is inadequate evidence for carcinogenicity of hydrogen peroxide in humans but limited evidence in experimental animals (Group 3 – Not classifiable as to its carcinogenicity to humans).

**Teratogenicity:** Phosphoric acid component is not expected to show adverse teratogenic effects. Hydrogen peroxide is not expected to be teratogenic.

**Toxicologically Synergistic Products:** NA

### **Regulatory Information**

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

**WHMIS:** Not controlled under WHMIS (Canada)

### **Preparation Information**

**Prepared By:** GreenLABS QA & Control

**Date:** October 13, 2015

**Revised:** January 25, 2016

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

NA = Not available