

# MATERIAL SAFETY DATA SHEET

## Product and Company Identification

**GreenLABS**

CHEMICAL SOLUTIONS

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+ GLK-905 STAINLESS STEEL CLEANER**



Codes: GLK-905-710S12

**Material Uses:** Industrial applications: Stainless Steel 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>
Isopropyl alcohol	67-63-0	3-5	Acute: 16970 ppm, 8 hours (Vapor, Rat); 37476 mg/m <sup>3</sup> , 8 hours (Vapor, Mouse); 66100 mg/m <sup>3</sup> , 8 hours (Vapor, Rat)	Acute: 3600 mg/kg (Oral, Mouse); 6000 mg/kg (Oral, Rat); 6410 mg/kg (Oral, Rabbit); 12800 mg/kg (Dermal, Rabbit)

HEALTH	1	0 – Insignificant 1 – Slight 2 – Moderate 3 – High 4 – Extreme	 
FLAMMABILITY	2		
REACTIVITY	0		
PERSONAL PROTECTION	B		



## Physical Data

**Physical State and Appearance:** Liquid (Clear sparkling liquid)

**Color:** Pink (Pantone 2365C)

**Odor:** Mountain breeze

**Odor Threshold:** NA

**pH:** 10.5 to 10.7 (as is)

**Volatility:** 99% (v/v)

**Evaporation Rate:** As water

**Freezing Point:** 0°C (32°F)

**Boiling Point:** 100°C (212°F)

**Specific Gravity:** 1.01 to 1.02 (Water = 1)

**Vapor Density:** NA

**Vapor Tension:** NA

**Log K<sub>ow</sub>:** The product is more soluble in water.

**Ionicity (Surface Active Agent):** NA

**Critical Temperature:** NA

**Instability Temperature:** NA

**Conditions of Instability:** Oxidizing agent

**Dispersion Properties:** See solubility.

**Solubility:** Easily soluble in cold water, hot water, methanol, diethyl ether. Partially soluble in n-octanol.

## Fire and Explosion Data

**The Product is:** FLAMMABLE

**Auto-Ignition Temperature:** NA

**Products of Combustion:** carbon oxides (CO, CO<sub>2</sub>)

**Flash Point:** CLOSED CUP: Between 37.8°C (100°F) and 61°C (142°F)

**Flammable Limits:** The greatest known range is

LOWER: 2% UPPER: 12% (Isopropyl alcohol)

**Extinguishing Media:** Flammable liquid, soluble or dispersed in water.

**SMALL FIRE:** Use DRY chemical powder.

**LARGE FIRE:** Use alcohol foam, water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, auto-ignition or explosion.

**Flammability of the Product:** Flammable in presence of open flames and sparks, of heat, of oxidizing materials.

Slightly flammable to flammable in presence of combustible materials.

**Explosion Data – sensitivity to mechanical**

**impact:** Not applicable

**Explosion Data – sensitivity to static discharge:**

Not applicable

## Reactivity

**Stability:** Stable

**Hazardous Decomposition Products:** carbon oxides (CO, CO<sub>2</sub>)

**Degradability:** Biodegradable according to OECD 301 -E standards

**Products of Degradation:** carbon oxides (CO, CO<sub>2</sub>)

**Corrosivity:** May cause minor irritation.

**Reactivity:** Slightly reactive with oxidizing agents.

**Instability Temperature:** NA

**Conditions of Instability:** Oxidizing agent

## First Aid Measures

**Eye Contact:** Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. If irritation persists, get medical attention.

**Skin Contact:** After contact with skin, wash immediately with warm water. If irritation persists, seek medical attention.

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

**Ingestion:** Induce vomiting if possible. Have conscious person drink several glasses of water. GET IMMEDIATE MEDICAL ATTENTION.

## Preventive Measures

**Small Spills and Leaks:** Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.

**Personal Protective Equipment:** Wear gloves and safety glasses.

**Large Spills:** Absorb with an inert material and place in an appropriate waste disposal container.

**Protective Clothing:** Wear gloves and safety glasses.

**Engineering Controls:** Good general ventilation should be sufficient.

**Precautions:** Avoid contact with eyes.

**Storage:** Keep container tightly closed in a cool, well-ventilated area. Do not store below 0°C (32°F).

**Handling:** No particular handling.

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

**Special Shipping Information:** Be sure the container is tightly closed.

## Toxicological Information

**Routes of Entry:** Eye contact, inhalation.

**TLV: Isopropyl alcohol**

TWA: 400 (ppm) from ACGIH (TLV) [United States] [1993]

TWA: 400 (ppm) from OSHA (PEL) [United States]

STEL: 500 from ACGIH (TLV) [United States]  
CEIL: 1230 (mg/m<sup>3</sup>) from ACGIH (TLV) [United States]

STEL: 500 (ppm) from OSHA (PEL) [United States]

Consult local authorities for acceptable exposure limits.

**Toxicity to Animals:** See Hazardous Ingredients Section

**Acute Effects on Humans:** Direct contact with eyes may cause irritation.

**Chronic Effects on Humans:** Repeated or prolonged exposure is not known to aggravate medical condition under normal use. May dry sensitive skin.

**Synergistic Products (Toxicologically):** NA

**Skin Irritation/Corrosivity:** This product may irritate sensitive skin upon contact.

**Sensitization:** Slightly hazardous in case of skin contact (sensitizer).

**Carcinogenic Effects:** N/A

**Toxicity to Reproductive System:** NA

**Teratogenic Effect:** NA

**Mutagenic Effect:** NA

## Regulatory Information

**TDG Road/Rail:** TDG Class 3: Flammable liquid.

Product of class 3 but not regulated according to the exemption 1.33 by ground, railroad or maritime way in Canada only.

Not regulated for containers smaller than 5 L.

**Shipping Name:** FLAMMABLE LIQUID, N.O.S. (Isopropyl Alcohol), UN 1993 PG III

**WHMIS:** Class B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F)

Class D-2B: Material causing other toxic effects (TOXIC)

## Preparation Information

**Prepared By:** GreenLABS QA & Control

**Date:** May 31, 2016

**Tel:** 1-800-921-5527 **NA = Not available**