

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

Product Name: SANY+ GLK-903 LIQUID RINSE AID


Codes: GLK-903-20S1

Material Uses: Industrial applications: Rinse agent for dishwasher

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

Hazardous Ingredients

Ingredients	CAS#	% wt.	LC ₅₀	LD ₅₀
Isopropyl alcohol	67-63-0	10-15	Acute: 16970 ppm, 8 hours (Vapor, Rat); 37476 mg/m ³ , 8 hours (Vapor, Mouse); 66100 mg/m ³ , 8 hours (Vapor, Rat)	Acute: 3600 mg/kg (Oral, Mouse); 6000 mg/kg (Oral, Rat); 6410 mg/kg (Dermal, Rabbit)

HEALTH	1	 Safety Glasses
FLAMMABILITY	3	
REACTIVITY	0	
PERSONAL PROTECTION	A	



Physical Data

Physical State and Appearance: Liquid (Clear sparkling liquid)

Color: Colorless

Odor: Odorless

Odor Threshold: The highest known value is 40 ppm (Isopropyl alcohol).

pH: 8.5 – 9.0 (as is)

Volatility: NA

Evaporation Rate: NA

Freezing Point: NA

Boiling Point: NA

Specific Gravity: 0.95 - 0.98 (water= 1)

Vapor Density: NA

Vapor Tension: NA

Log K_{ow}: Product is much more soluble in water.

Ionicity (Surface Active Agent): NA

Critical Temperature: NA

Instability Temperature: NA

Conditions of Instability: NA

Dispersion Properties: Easily dispersed in methanol, see solubility in water, methanol, diethyl ether and n-octanol.

Solubility: Easily soluble in methanol, diethyl ether and hot/cold water.

Fire and Explosion Data

The product is: Flammable

Auto-Ignition Temperature: NA

Products of Combustion: carbon oxides (CO, CO₂)

Flash Point: NA

Flammable Limits: NA

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, autoignition or explosion.

Flammability of the Product: Slightly flammable to flammable in presence of heat, of oxidizing materials. Because of the large amount of water contained in the product, the product might be flammable only after partial or complete evaporation.

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, CO₂)

Degradability: NA

Products of Degradation: carbon oxides (CO, CO₂)

Corrosivity: Non-corrosive

Reactivity: Slightly reactive with oxidizing agents and acids.

Instability Temperature: NA

Conditions of Instability: NA

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: Wash with soap and temperate water. If irritation persists, get medical attention.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.

Ingestion: Have conscious person drink several

glasses of water. Never give an unconscious person anything to ingest. 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. Finish cleaning the spill area with running water.

Personal Protective Equipment: Wear safety glasses.

Large Spills: Flammable liquid.

Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Dispose of according to local and regional authority requirements.

Protective Clothing: Wear polyethylene gloves, splash goggles and vapor respirator. Be sure to use a MSHA/NIOSH approved respirator or equivalent.

Engineering Controls: No special ventilation requirements.

Precautions: Keep away from heat. Keep away from sources of ignition. Do not ingest. If ingested, seek medical advice immediately and show the container or the label.

Storage: Keep only in original container in a cool, well-ventilated place. Keep out of reach of children.

Handling: After handling, wash hands thoroughly with soap and water.

Waste Disposal: Recycle, if possible. Consult your local or regional authorities.

Special Shipping Information: Be sure the container is tightly closed. Keep from freezing.

Toxicological Information

Routes of Entry: Eye contact, inhalation, and

ingestion and through skin.

TLV: Isopropyl alcohol

TWA: 400 (ppm) from ACGIH (TLV)

TWA: 400 (ppm) from OSHA (PEL)

STEL: 500 from ACGIH (TLV).

CEIL: 1230 (mg/m³) from ACGIH (TLV)

STEL: 500 (ppm) from OSHA (PEL)

Consult local authorities for acceptable exposure limits.

Toxicity to Animals: Refer to Hazardous Ingredients.

Acute Effects on Humans: This product is irritating to the eye but is not a primary skin irritant after exposure of short duration. Ingestion may cause headache, dizziness, nausea, fatigue and central nervous system depression. Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, or shortness of breath. May cause skin sensitization. Very dangerous in case of ingestion.

Chronic Effects on Humans: Prolonged and repeated contact with skin can cause drying of the skin resulting in skin irritation/Dermatitis.

Synergistic Products (Toxicologically): NA

Skin Irritation/Corrosivity: This product irritate eyes and skin upon contact.

Sensitization: Sensitizer for skin.

Carcinogenic Effects: NA

Toxicity to Reproductive System: NA

Teratogenic Effect: NA

Mutagenic Effect: NA

Regulatory Information

TDG Road/Rail: CLASS 3: Flammable liquid

Not regulated for containers smaller than 5 L

Shipping Name: FLAMMABLE LIQUID,

N.O.S. (Isopropyl Alcohol) UN1993, PG III

WHMIS: CLASS B-2: Flammable liquid with a

flash point lower than 37.8°C (100°F)
CLASS D-2B: Material causing other toxic effects
(TOXIC).

Preparation Information

Prepared By: GreenLABS QA & Control

Date: May 30, 2016

Tel: 1-800-921-5527

NA = Not available