

# MATERIAL SAFETY DATA SHEET

## Product and Company Identification



A Division of Superior Solutions Ltd.  
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**Product Name: SANY+ GLK-902 DISHWASHER DETERGENT (AUTOMATIC)**



**Codes:** GLK-902-26S1

**Material Uses:** Industrial applications: Dish washing detergents ( Phosphate free)

**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>
Sodium carbonate	497-19-8	20-30		Acute: 4090 mg/kg (Oral, Rat)
Sodium percarbonate	15630-89-4	15-20		Acute: 1034 mg/kg (Oral, Rat)
Sodium metasilicate pentahydrate	6834-92-0	15-20		Acute: 770 mg/kg (Oral, Mouse); 1153 mg/kg (Oral, Rat)
Block copolymer of propylene oxide	9003-11-6	1-5		Acute: > 4000 mg/kg (Oral, Rat)
Propylene	57-55-6	1-5		Acute: 20000 mg/kg (Oral, Rat)

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



### Physical Data

**Physical State:** Powdered solid

**Color:** White

**Odor:** Odorless

**Odor Threshold:** NA

**pH:** 10.9 (sol 1% in water)

**Volatility:** NA

**Evaporation Rate:** NA

**Freezing Point:** NA

**Boiling Point:** NA

**Specific Gravity:** Weighted average: 1.79 (Water = 1)

**Vapor Density:** NA

**Vapor Tension:** Not applicable

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

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

**Critical Temperature:** NA

**Instability Temperature:** NA

**Conditions of Instability:** NA

**Dispersion Properties:** See solubility in water.

**Solubility:** Easily soluble in cold water, hot water.

### Fire and Explosion Data

**Flammability:** Non-flammable

**Auto-Ignition Temperature:** Not applicable

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

**Flash Point:** Not applicable

**Flammable Limits:** Not applicable

**Extinguishing Media:** Not applicable

**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>), sodium oxide

**Degradability:** NA

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

**Corrosivity:** Slightly corrosive in presence of steel, of aluminum, of zinc, of copper.

**Reactivity:** Reactive with reducing agents, acids. Slightly reactive to reactive with organic materials, metals, moisture.

**Instability Temperature:** NA

**Conditions of Instability:** NA

### First Aid Measures

**Eyes:** Immediately flush with running water for at least 15 minutes, keeping eyelids open. Use warm water. If irritation persists, get medical attention.

**Skin:** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing. Use warm water. Wash clothing before reuse. 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 an unconscious person anything to ingest. GET IMMEDIATE MEDICAL ATTENTION.

### Preventive Measures

**Small Spills and Leaks:** Use appropriate tools to put the spilled solid in a convenient waste disposal container.

**Personal Protective Equipment:** Safety glasses. Polyethylene gloves.

**Large Spills:** Use a tool to scoop up solid or absorbed material and place into appropriate labeled waste container. Dispose of according to local and regional authority requirement.

**Protective Clothing:** Vapor respirator or a self contained breathing apparatus. Splash goggles. Gloves. Polyethylene gloves.

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

**Precautions:** Keep container dry. Keep away from heat. Keep away from sources of ignition. Keep away from combustible material.. Do not ingest. Do not breathe dust. Never add water to this product. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as reducing agents, acids.

**Storage:** Keep container closed when not in use. Store in a dry, cool and well ventilated area.

**Handling:** Avoid contact with skin, eyes and clothing.

**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.

### Toxicological Information

**Routes of Entry:** Eye contact, skin, inhalation, ingestion

**TLV:** NA

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

**Acute Effects on Humans:** Very hazardous in case of eye contact (irritant). Hazardous in case of skin contact (irritant, sensitizer, permeator). Slightly hazardous in case of inhalation (lung irritant). Very dangerous in case of ingestion.

**Chronic Effects on Humans:** Very hazardous in case of ingestion. Hazardous in case of skin contact (irritant, sensitizer, permeator), of eye contact (irritant). Slightly hazardous in case of inhalation (lung irritant).

**Synergistic Products (Toxicologically):** NA

**Skin Irritation/Corrosivity:** Very hazardous in case of eye contact (irritant). Hazardous in case of skin contact (irritant). Slightly hazardous in case of inhalation (lung irritant)..

**Sensitization:** NA

**Carcinogenic Effects:** NA

**Toxicity to Reproductive System:** NA

**Teratogenic Effect:** NA

**Mutagenic Effect:** NA

### Regulatory Information

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

**WHMIS:** CLASS D-2B: Material causing other toxic effects. (TOXIC)

### Preparation Information

**Prepared By:** GreenLABS QA & Control

**Date:** April 28, 2016

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

NA = Not available

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