

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

Product Name: SANY+ GLW-200 GLASS CLEANER CONCENTRATE



Codes: GLW-200-2S4, GLW-200-4S4, GLW-200-2G4, GLW-200-4G4

Material Uses: Industrial applications: Glass cleaner

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	2 – 6%	Acute: 16970 ppm 4 hrs (Rat), 37476 mg/m ³ 8 hrs (Mouse), 66100 mg/m ³ 8 hrs (Rat)	Acute: 3600 mg/kg (Oral, Mouse), 5045 mg/kg (Oral, Rat), 12800 mg/kg (Dermal, Rabbit)

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



Physical Data

Physical State: Liquid

Color: Blue, transparent

Odor: Menthol-like

Odor Threshold: NA

pH: 7.20 – 7.80 (as is)

Volatility: 99% (w/w)

Evaporation Rate: NA

Freezing Point: May start to solidify at 0°C

(32°F) based on data for water

Boiling Point: 100°C (212°F)

Specific Gravity: 1.01 – 1.02

Vapor Density: NA

Vapor Tension: NA

Log K_{ow}: The product is more soluble in water.

Ionicity (Surface Active Agent): Anionic

Critical Temperature: NA

Instability Temperature: NA

Conditions of Instability: This product is stable under normal conditions. Will not polymerize.

Dispersion Properties: See solubility in water

Solubility: Easily soluble in cold or hot water,

methanol, diethyl ether. Partially soluble in n-octanol.

Fire and Explosion Data

Flammability: Flammable

Auto-Ignition Temperature: The lowest known value is 389.89 °C (750 °F) (Isopropyl alcohol)

Products of Combustion: Carbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂)

Flash Point: Between 37.8 – 61 °C (100-142 °F)

Closed Cup Method (Pensky-Martens ASTM D-93)

Flammable Limits: 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, autoignition or explosion.

Flammability of the Product: Flammable in presence of open flames and sparks, heat, and/or oxidizing materials. Slightly flammable to flammable in presence of combustible materials.

Risks of Explosion: Risks of explosion of the product in presence of mechanical impact: NA
Risks of explosion of the product in presence of static discharge: NA

Reactivity

Stability: Stable

Hazardous Decomposition Products: Carbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂)

Degradability: NA

Products of Degradation: Carbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂)

Corrosivity: NA

Reactivity: Slightly reactive to reactive with oxidizing agents, acids.

Instability Temperature: NA

Conditions of Instability: This product is stable under normal conditions. Will not polymerize.

First Aid Measures

Eyes: 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: 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 large quantities of water or milk. 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 or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning the spill area with running water.

Large Spills and Leaks: 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. 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: Do not mix with any product.

Storage: Keep locked up. Keep container tightly closed. Keep in a cool, well-ventilated area. Store and use away from heat, sparks, open flame, or any other ignition source. KEEP OUT OF REACH OF CHILDREN.

Handling: Avoid contact with eyes. Avoid breathing vapors or spray mists.

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: Inhalation, Ingestion

TLV: Isopropyl alcohol (TWA: 400 ppm from ACGIH (TLV) United States 1993, TWA: 985 mg/m³, CEIL: 500; CEIL: 1230 mg/m³)

Toxicity to Animals: Refer to Hazardous Ingredients

Acute Effects on Humans: This product is

irritating to the eyes 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 the respiratory tract, characterized by coughing, or shortness of breath. May cause skin sensitization.

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

Synergistic Products (Toxicologically): NA

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

Sensitization: Repeated overexposure may cause skin effects.

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 according to the exemption 1.33 by ground, railroad or maritime in Canada only.

Shipping Name: FLAMMABLE LIQUIDS, N.O.S. (Isopropyl alcohol) UN 1993, PG III

WHMIS: Class B3: Combustible liquid with a flash point between 37.8 °C (100 °F) and 93.3 °C (200 °F).

Class D2B: Material causing other toxic effects (TOXIC).

Preparation Information

Prepared By: GreenLABS QA & Control

Date: August 31, 2015

Revised: February 4, 2016

Tel: 1-800-921-5527

NA = Not available

Disclaimer: To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.