

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+ GLD-801 ODOR NEUTRALIZER



Codes: GLD-801-4S4

Material Uses: Industrial applications: Odour neutralizer for garbage

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	3-5	Acute: 16970 ppm, 8 hours (Rat); 37476 mg/m ³ , 8 hours (Mouse); 66100 mg/m ³ , 8 hours (Rat)	Acute: 3600 mg/kg (Oral, Mouse); 6000 mg/kg (Oral, Rat); 6410 mg/kg (Oral, Rabbit); 12800 mg/kg (Dermal, Rabbit)

HEALTH	1	 Safety Glasses  Gloves
FLAMMABILITY	2	
REACTIVITY	0	
PERSONAL PROTECTION	B	



Physical Data

Physical State: Transparent liquid

Color: Orange (Pantone 7408)

Odor: Citrus

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

pH: 9.0-9.50 (as is)

Volatility: NA

Evaporation Rate: As water

Freezing Point: 0°C (32°C)

Boiling Point: NA

Specific Gravity: 1.02 – 1.04 (water= 1)

Vapor Density: NA

Vapor Tension: NA

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

Ionicity (Surface Active Agent): Anionic.

Critical Temperature: NA

Instability Temperature: NA

Conditions of Instability: NA

Dispersion Properties: See solubility in water, methanol, diethyl ether, n-octanol.

Solubility: NA

Fire and Explosion Data

Flammability: Combustible

Auto-Ignition Temperature: Lowest known value is 398.89°C (750°F) (Isopropyl alcohol)

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

Flash Point: 55°C (Closed cup)

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.

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.

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

Explosion Data – sensitivity to mechanical

impact: NA

Explosion Data – sensitivity to static discharge: NA

Reactivity

Stability: Stable

Hazardous Decomposition Products: NA

Degradability: NA

Products of Degradation: NA

Corrosivity: NA

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

Instability Temperature: NA

Conditions of Instability: NA

First Aid Measures

Eye Contact: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Use TEMPERATE water. Get medical attention.

Skin: Wash with soap and water, use 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: Do not induce vomiting unless directed to do so by medical personnel. Never give an unconscious person anything to ingest. Get medical attention if symptoms appear.

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: Safety glasses. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves (impervious).

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. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Personal Protective Equipment: Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Engineering Controls: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Precautions: Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. If ingested, seek medical advice immediately and show the container or the label.

Storage: Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

Handling: Keep away from heat, sparks and flame. Keep container closed. Use only with adequate ventilation. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Use explosion-proof electrical (ventilating, lighting and material handling) equipment.

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

Special Shipping Information: NA

Toxicological Information

Routes of Entry: Inhalation, ingestion

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/m³) from ACGIH (TLV) [United States]

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

Consult local authorities for acceptable exposure limits.

Toxicity to Animals: Acute oral toxicity (LD₅₀): 34195 mg/kg [Rat].

Acute dermal toxicity (LD₅₀): 256000 mg/kg (Rabbit) (Calculated value for the mixture).

Acute Effects on Humans: Slightly hazardous in case of skin contact (sensitizer).

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

Synergistic Products (Toxicologically): NA

Skin Irritation/Corrosivity: NA

Sensitization: Skin sensitizer.

Carcinogenic Effects: NA

Toxicity to Reproductive System: NA

Teratogenic Effect: NA

Mutagenic Effect: NA

Regulatory Information

TDG Road/Rail: Class 3.3: Flammable liquid with a flash point between 23°C (73°F) and 61°C (142°F). According to article 1.17 of TDG regulation, this product might be exempted for limited quantities.

Limited Quantity: 5 L

Shipping name: FLAMMABLE LIQUID, N.O.S. (Isopropyl alcohol) UN1993 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

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NA = Not available