

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+ ZOE ODOR NEUTRALIZER RTU



Codes: ZOE-ORD-710

Material Uses: Industrial applications: Air and textile deodorant

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 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	 Safety Glasses  Gloves
FLAMMABILITY	1	
REACTIVITY	1	
PERSONAL PROTECTION	B	



Physical Data

Physical State: Clear sparkling liquid

Color: Yellow orange

Odor: Citrus

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

pH: 4.1 – 4.4 (as is)

Volatility: NA

Evaporation Rate: As water

Freezing Point: May start to solidify at 0°C (32°F) based on data for water

Boiling Point: NA

Specific Gravity: 1.01 (Water = 1)

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: NA

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

Solubility: Completely soluble in water.

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: NA

Degradability: NA

Products of Degradation: NA

Corrosivity: NA

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

Instability Temperature: NA

Conditions of Instability: Stable under normal conditions. Does not polymerize.

First Aid Measures

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

Skin: Wash immediately with soap and plenty of temperate water. If irritation develops, seek 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 anything by mouth to an unconscious person.

Loosen tight clothing such as a collar, tie, belt or waistband. 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 (Small Spills and Leaks): Safety glasses. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves (impervious).

Large Spills and Leaks: 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 (Large Spills and Leaks): Splash goggles. Full suit. Vapor respirator. Boots. Gloves. 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). KEEP OUT OF REACH OF CHILDREN.
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

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.

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: Slightly hazardous in case of skin contact (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.

Shipping Name: FLAMMABLE LIQUIDS, N.O.S. (Isopropyl alcohol) UN: UN1993 PG: I

WHMIS: Class B3 D2B

Preparation Information

Prepared By: GreenLABS QA & Control

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Tel: 1-800-921-5527

NA = Not available