

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 DRAIN OPENER

Codes: 98929




Material Uses: Consumer/industrial applications: Liquid drain cleaner.

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

Hazardous Ingredients

Ingredients	CAS#	% wt.	LC ₅₀	LD ₅₀
Sulfuric acid	007664-93-9	90-100	Acute: 255 mg/m ³ 4 hours (Rat); 160 mg/m ³ , 4 hours (Mouse)	Acute: 2140 mg/kg (Oral, Rat)

Manufacturer:
PRODUITS SANY
830 rue St-Pierre Sud Joliette,
Que.
J6E 8R7
E-mail: info@sanvinc.com
Tel: 1-800-363-2776

HEALTH	3	0 – Insignificant 1 – Slight 2 – Moderate 3 – High 4 – Extreme	 Protective Apron  Safety Glasses  Gloves
FLAMMABILITY	0		
REACTIVITY	0		
PERSONAL PROTECTION	C		



Physical Data

Physical State: Liquid

Color: Colorless

Odor: Odorless

Odor Threshold: Highest known value is 0.2 ppm

pH: <1 (Acidic)

Volatility: NA

Evaporation Rate: NA

Freezing Point: May start to solidify at 10.49°C (50.9°F)

Boiling Point: 290°C (554°F)

Specific Gravity: 1.82 (Water = 1)

Vapor Density: Highest known value is 3.4 (Air=1) (Sulfuric Acid)

Vapor Tension: Highest known value is 0.01 kPa (@ 20°C) (Sulfuric Acid)

Log K_{ow}: NA

Ionicity (Surface Active Agent): NA

Critical Temperature: NA

Instability Temperature: Lowest known value is 277°C (530.6°F) (Sulfuric Acid)

Conditions of Instability: NA

Dispersion Properties: See solubility in water.

Solubility: Easily soluble in cold water.

Fire and Explosion Data

Flammability: Non-flammable

Auto-Ignition Temperature: Not applicable

Products of Combustion: sulfur oxides (SO₂, SO₃...)

Flash Point: Not applicable

Flammable Limits: Not applicable

Extinguishing Media: Use extinguishing media suitable for surrounding materials.

Explosion Data – sensitivity to mechanical impact: Not applicable

Explosion Data – sensitivity to static discharge: Not applicable

Reactivity

Stability: Stable

Hazardous Decomposition Products: NA

Degradability: NA

Products of Degradation: sulfur oxides (SO₂, SO₃...)

Corrosivity: NA

Reactivity: Extremely reactive with reducing agents, organic materials, metals, alkalis, moisture, slightly reactive with oxidizing agents.

Instability Temperature: The lowest known value is 277°C (530.6°F) (Sulfuric acid).

Conditions of Instability: NA

First Aid Measures

Eyes: Immediately flush with running water for at least 30 minutes, keeping eyelids open. Get medical attention.

Skin: Remove contaminated clothes protecting hands and body. Place victim under deluge shower. Use warm water. Gently/thoroughly wash the skin with running water and non-abrasive soap. Be careful to clean folds, crevices, creases and groin. 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 immediately.

Ingestion: Do not induce vomiting. Get conscious person drink several glasses of water/milk. GET IMMEDIATE MEDICAL ATTENTION.

Preventive Measures

Small Spills and Leaks: Dilute with water and mop up, or absorb with an inert material and place in an appropriate waste disposal container. If necessary: Neutralize the residue with a dilute solution of sodium carbonate.

Personal Protective Equipment: Wear rubber gloves, splash goggles, full suit and respirator. Be

sure to use a MSHA/NIOSH approved respirator or equivalent.

Large Spills: Corrosive/poisonous liquid. Stop leak if without risk. Absorb with dry earth, sand or a non-combustible material. Don't touch material. Use water spray curtain to divert vapor drift.

Prevent entry into sewers, basements or confined areas; dike if needed. Call assistance on disposal. Neutralize the residue with a dilute solution of sodium carbonate. 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: Wear rubber gloves, splash goggles, full suit, boots and self-contained breathing apparatus.

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

Precautions: Do not ingest. Do not breathe gas / fumes / vapour / spray. Never add water to this product. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show container /label. Avoid contact with skin and eyes. Keep away from incompatibles such as reducing agents, organic materials, metals, alkalis, moisture.

Storage: Keep container tightly closed in a cool, well-ventilated area. Corrosive materials should be stored in a separate safety storage cabinet or room.

Handling: Do not breathe vapor /mist. Avoid prolonged/repeated contact with skin. Use adequate ventilation. Wash thoroughly after handling.

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

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

Toxicological Information

Routes of Entry: Eye contact, inhalation, ingestion and skin contact.

TLV: Sulfuric acid
TWA: 1 (mg/m³). STEL: 3 (mg/m³)

Toxicity to Animals: Refer to Hazardous Ingredients

Acute Effects on Humans: Extremely hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion. Very hazardous in case of skin contact (corrosive). Hazardous in case of inhalation. Liquid or spray mist may produce tissue damage particularly on mucous membranes of eyes, mouth and respiratory tract. Skin contact may produce burns. Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath. Severe over-exposure can result in death. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or occasional blistering.

Chronic Effects on Humans: Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection. Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

Synergistic Products (Toxicologically): NA
Skin Irritation/Corrosivity: Extremely hazardous in case of skin contact (corrosive, irritant), of eye contact (irritant, corrosive) and of inhalation (lung corrosive).

Sensitization: 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 8: Corrosive material

CLASS: 9.2: Environmentally hazardous material.

Limited Quantity: 1 L

Shipping Name: Sulfuric Acid, UN 1830, PG II

WHMIS: CLASS D-1A: Material causing immediate and serious toxic effects (VERY TOXIC).

CLASS E: Corrosive liquid.

Preparation Information

Prepared By: GreenLABS QA & Control

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Tel: 1-800-921-5527

NA = Not available