



Section 1 - Identification

Product Name: Sulfuric Acid 50%
Alternate Name: (internal# CPL1400)
Recommended Use: pH adjuster
Manufacturer: Chem Pro Laboratory, Inc., 941 W 190th St, Gardena CA 90248, 310-532-8611
ChemTrec: 800-424-9300 (Transportation Spill Response 24 hours)

Section 2 - Hazard(s) identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

DANGER



Fatal if inhaled

May cause cancer

Causes severe skin burns and serious eye damage

Do not breathe dust/fume/gas/mist/vapors/spray.

Do not breathe dusts or mists.

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Use only outdoors or in a well-ventilated area.

Wash contacted areas thoroughly after handling.

Wear eye and face protection, protective gloves and clothing, and respiratory protection.

IF EXPOSED OR CONCERNED: Get medical advice/attention.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center or doctor.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Wash skin with plenty of water. Wash contaminated clothing before reuse.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Store in a well-ventilated place. Keep container tightly closed, locked up.

Dispose of contents/container in accordance with federal, state, and local regulations.

Section 3 - Composition/information on ingredients

Chemical Name	CAS Number	Percent
sulfuric acid	7664-93-9	50-60%

Section 4 - First-aid measures

Emergency and First Aid Procedures:

Inhalation

On over-exposure, remove to fresh air; get immediate medical attention.

Eye Contact

Flush with large quantities of water for at least 30 minutes, lifting upper and lower eye lids occasionally; continue flushing while waiting for medical assistance.

Skin Contact

Flush thoroughly with water; wash with soap/water while removing all contaminated clothing



and shoes; get immediate medical attention.

Ingestion Do not induce vomiting; dilute by giving milk or water if conscious; get medical attention immediately.

Symptoms of Overexposure:

Inhalation Breathing difficulties, dizziness or light-headedness.

Contact with Skin or Eyes Skin burns and corneal damage.

Absorption Through Skin Burning and charring to skin, not absorbed.

Ingestion Burning and charring.

Section 5 - Fire-fighting measures

Extinguishing Media dry chemical, foam, or carbon dioxide

Fire Fighting Procedure Avoid contact with water. H₂SO₄ or SO₃ can be released at high temperatures. Use respirator approved by NIOSH.

Unusual Fire/Explosion Hazard Reacts with most metals to form hydrogen gas which can form explosive mixture with air.

Hazardous Combustion Products Substance is noncombustible

Section 6 - Accidental release measures

Spill Response Procedure Flush with plenty of water and neutralize acid with soda ash, lime or caustic.

Section 7 - Handling and storage

Handling Precautions No special handling procedures are required.

Storage Conditions Store in a cool dry place. Keep container tightly sealed in a dry and ventilated area. Do not store unopened containers in direct sunlight for extended periods.

Section 8 - Exposure controls/personal protection

Chemical Name	OSHA PEL	ACGIH TLV
sulfuric acid	1 mg/m ³ TWA	0.2 mg/m ³ TWA

Ventilation Local and mechanical (general) exhaust required.

Respiratory Protection The use of respiratory protection depends on vapor concentration above the time-weighted TLV; use NIOSH approved cartridge respirator or gas mask.

Protective Gloves Rubber or impermeable gloves.

Eye Protection Safety glasses, chemical goggles and/or face shield.

Other Protective Equipment Impermeable aprons are advised. The availability of eye washes and safety showers in work area is recommended.

Work / Hygienic Practices Handle in accordance with good industrial hygiene and safety practices.

Section 9 - Physical and chemical properties

Appearance	Colorless oily liquid.	Vapor Pressure @20°C	1 mm Hg @ 146 deg C
Odor	Odorless	Vapor Density	>1
Odor Threshold	Not Determined	Specific Gravity	1.4
pH	<1.0	Solubility in Water	Complete
Melting Point, °F	30 to 35 deg F	Partition Coefficient	Not Determined



Boiling Point, °F	Approximately 600 deg F	Auto Ignition Temp, °F	Non Flammable
Flash Point, °F	Not Flammable	Decomposition Temp, °F	Not Determined
Evaporation Rate	N/A	Viscosity	Not Determined
Flammability Limits	N/A	Percent Volatile	Same as water.

Section 10 - Stability and reactivity

Reactivity	in water: Generates heat on dilution
Stability	stable under normal conditions
Conditions to Avoid	Temperatures above 150 deg F, Base (alkali), nitrites, carbides, chlorates and metal powders.
Incompatible Materials	Strong oxidizers. Strong Alkali.
Hazardous Decomposition Products	Sulfur trioxide gas (SO ₃) at high temperatures.
Hazardous Polymerization	Hazardous polymerization will not occur.

Section 11 - Toxicological information

Routes of Entry	inhalation, skin or eye contact, ingestion
Acute Exposure Symptoms	Respiratory irritation and inflammation.
Chronic Exposure Effects	Possible lung damage. Dental erosion.
Medical Conditions Aggravated By Exposure	Not known.

Acute Toxicity:

Chemical Name	CAS Number	Oral LD50	Dermal LD50	Inhalation LC50
sulfuric acid	7664-93-9	2140 mg/kg	no data	0.320 mg/L

Carcinogenicity:

Ingredients are on the following lists of suspected or known carcinogens:

Chemical Name	CAS Number:	IARC	NTP	OSHA
sulfuric acid	7664-93-9	Yes	Yes	Yes

Section 12 - Ecological information

Overview: No data

Section 13 - Disposal considerations

Preparing Waste For Disposal Neutralize acid with alkali and flush to sewer with plenty of water if permitted by local and State regulations. In some cases, waste may have to be hauled away by disposal contractor.

Section 14 - Transport information

DOT Shipping UN2796, BATTERY FLUID, ACID, 8, PG II

Section 15 - Regulatory information

California Proposition 65 This product contains chemicals listed by California proposition 65.
HMIS Ratings Health: 4, Flammability: 0, Reactivity: 0



Section 16 - Other information

Date Prepared 6/20/2017 (reviewed)
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