

SAFETY DATA SHEET

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

DISTRIBUTOR: TRANSENE COMPANY, INC.
ADDRESS: DANVERS INDUSTRIAL PARK
10 ELECTRONICS AVENUE DANVERS, MA 01923,
TEL: (978) 777-7860 FAX: (978)-739-5640
WWW.TRANSENE.COM
EMERGENCY NO. 1-800-424-9300 CHEMTREC

MATERIAL NAME: **PURE STRIP**

PREPARED: November 2021 REVISED: March 2025

CHEMICAL FAMILY: Sulfuric Acid/Peroxymonosulfuric Acid

Product Number: 060-910075

SECTION 2. HEALTH HAZARD INFORMATION

GHS Classifications

H271 Oxidizing liquids : Category 1
H290 Corrosive to metals: Category 1
H302 Acute toxicity Oral : Category 4
H314 Skin corrosion / Skin irritation : Category 1A
H318 Serious eye damage / Eye irritation : Category 1
H332 Acute toxicity Inhalation : Category 5
H402 Acute aquatic toxicity: Category 3

Pictograms or Hazard symbols



Signal Word: Danger

May cause fire or explosion; strong oxidizer.

May be corrosive to metals.

Harmful if swallowed; may be harmful if inhaled.

Causes severe skin burns and eye damage. Causes serious eye damage.

Harmful to aquatic life.

Precautionary Statements

P210 Keep away from heat, flames, and hot surfaces. No smoking.

P220 Store away from combustible materials. Keep away from clothing.

P221 Take any precaution to avoid mixing with combustibles.

P234 Keep only in original container.

P260 Do not breathe fume/gas/mist/vapors.

P261 Avoid breathing fumes/mist/vapors.

P264 Wash thoroughly after handling.

P270 Do not eat, drink, or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release into the environment.
P280 Wear protective gloves, clothing, and eye and face protection.
P283 Wear fire/flame resistant/retardant clothing.
P301 + P312 If swallowed, call a physician if you feel unwell.
P301 + P330 + P331 If swallowed, rinse mouth. Do not induce vomiting.
P302 + P352 If on skin, wash with plenty of water. Remove contact lenses if present and easy to do so. Continue rinsing.
P302 + P352 If on skin, wash with plenty of water. Remove contact lenses if present and easy to do so. Continue rinsing.
P303 + P361 + P353 If on skin (or hair) take off immediately all contaminated clothing. Rinse skin with water.
P304 + P340 If inhaled, remove person to fresh air and keep comfortable for breathing.
P305 + P351 + P338 If in eyes, rinse cautiously with water for several minutes.
P306 + P360 If on clothing, rinse immediately contaminated clothing and skin with plenty of water before removing clothes.
P310 Seek medical assistance if exposed.
P312 Call a physician if you feel unwell.
P330 Rinse mouth.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P363 Wash contaminated clothing before reuse.
P370 + P378 In case of fire use water spray. Do not use organic media to extinguish.
P371 + P380 + P375 In case of major fire and large quantities, evacuate area. Fight fire remotely due to the risk of explosion.
P405 Store locked up.
P420 Review storage segregation.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Material		Wt %
Hydrogen Peroxide	CAS# 7722-84-1	< 1
Sulfuric Acid	CAS# 7664-93-9	85-95
Peroxymonosulfuric Acid	CAS# 7722-86-3	4-5
Water	CAS# 7732-18-5	1-5
Total		100

SECTION 4. FIRST AID MEASURES

EFFECTS OF OVEREXPOSURE

FIRST AID:

Eye Contact: Corrosive to naked eye; in case of contact flush eyes well for 15 minutes, lifting the lower and upper eyelids occasionally. Ulceration of the cornea and blindness may result. Effects may be delayed. Seek medical attention.

Skin Contact: Obtain medical attention: Corrosive to exposed skin. Flush skin well with water for 15 minutes, wash with soap and water. Remove affected clothing, get medical attention. Effects may be delayed. Excess acid on skin may be neutralized with a 2% solution of bicarbonate of soda.

Inhalation: If mist or fumes are inhaled, remove to fresh air. If not breathing give artificial respiration. Seek medical attention. Effects may be delayed. May cause chemical burns to the respiratory tract.

Ingestion: May cause severe and permanent damage to the digestive tract. Causes gastrointestinal burns and perforation of the digestive tract. Get medical attention immediately. If swallowed, there is a danger of sudden liberation of gas. Do not induce vomiting.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point and Method: Non-flammable

Autoignition temperature: N/A

Flammability Limits In Air: N/A

Extinguishing media: Dry chemical, foam or carbon dioxide. Do not use water or organic material. Water spray may be used to keep containers cool.

Special fire fighting procedures: Wear chemically retardant gear and NIOSH approved self-contained breathing apparatus. Thermal decomposition produces irritating and toxic fumes. Contact with combustibles may cause extremely violent combustion. It may form powerful explosive mixtures with many organic materials, especially water-miscible solvents. Contact with most metals causes formation of flammable and explosive hydrogen gas.

SECTION 6. ACCIDENTAL RELEASE MEASURES

SPILLS, LEAKS: Ventilate area of leak or spill. Clean up personnel should wear protective clothing and NIOSH approved respirator. Dike and cover the contaminated areas with absorbent, non-combustible material such as earth, sand, or vermiculite. Do not flush into sewer.

SECTION 7. HANDLING AND STORAGE

Wash thoroughly after handling. Remove contaminated clothing and wash before re-use. Do not breathe dust, mist, or vapor. Do not expose eyes, skin, or clothing. Keep container closed tightly. Avoid contact with combustibles. Do not use with metal tools or items. Use with adequate ventilation or respiratory protection. Do not store near combustibles or in direct sunlight. Store in a cold, dry, well-ventilated area away from incompatible substances. Separate from metals, alkali, and organics. Must be stored with vented closures.

SECTION 8. EXPOSURE CONTROL/PERSONAL PROTECTION

Respiratory protection: Wear NIOSH/MESA approved full or half face piece (with goggles) respiratory protective equipment to avoid exposure to vapors above 0.1ppm. A respiratory protection program complying with requirements of 29CFR 1910.134 is recommended.

Ventilation: Where adequate ventilation is not available, use NIOSH approved vapor respirator with dust, fume and mist filters. Local ventilation through fume hoods or laminar flow stations is also preferred. Keep fumes away from strong bases.

Protective gloves: Skin contact should be minimized through use of rubber gloves.

Other protective equipment: Steel tipped shoes/eye wash station/chemical safety chemical retardant clothing.

Eye protection: Safety goggles / face shield. Do not wear contact lenses.

Airborne Exposure Limits:

Sulfuric Acid:

OSHA PEL: 1 mg/m³ (TWA)

ACGIH TLV: 0.2 mg/m³ (TWA)

A2 Suspected human carcinogenicity for sulfuric acid mist

Peroxymonosulfuric Acid: OSHA PEL: 1 mg/m³ (TWA)

Hydrogen Peroxide: OSHA PEL: 1 ppm (TWA)

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Form :	Clear, oily liquid
Appearance :	Colorless
Odor :	Odorless
pH :	1.8
Melting point:	-25 °C
Boiling point/Boiling range :	290 °C
Flash point :	Non-flammable.
Ignition point :	Will not ignite.
Danger of explosion:	Product is not explosive
Decomposition temperature:	Not available
Vapor density (Air = 1) :	0.62 estimated
Volatiles, %:	100
Vapor pressure at 15° C, mm Hg:	1
Specific gravity :	> 1g/cc
Solubility in / Miscibility:	Completely miscible in water; liberates heat
Evap. Rate (vs. butyl acetate):	< 1

SECTION 10. STABILITY AND REACTIVITY

Stability: Stable

Conditions to avoid: Excess heat, light, confined spaces, combustibles

Incompatible with: Heavy metals and ions such as copper, chromium, iron, silver, and monel. Graphite gaskets, packaging, and lubricants. Organics, dust, and rust. Nitric acid and other oxidants. Water-reactive materials. Alkalies containing heavy metals. Potassium chlorate, potassium perchlorate, potassium permanganate, sodium, lithium, halogens, acetylides, oxides, hydrides, and many other reactive substances.

Hazardous decomposition products: Toxic fumes of oxides of sulfur, carbon dioxide; hydrogen sulfide.

Hazardous polymerization: Will not occur.

Conditions to avoid: Excess heat, damp.

SECTION 11. TOXICOLOGICAL INFORMATION

ACUTE, hydrogen peroxide:

LC₅₀ (Inhalation, rat): 2 g/m³/4H at 90% concentration

LD₅₀ (dermal, rat): 4060 mg/kg at 90% concentration

LD₅₀ (oral, mouse): 2 g/kg at 90% concentration

LD₅₀ (oral, rat): 1518 mg/kg at 8-20% concentration

Sulfuric Acid:

LD₅₀ (oral, rat): 2140 mg/kg

LC₅₀ (inhalation, rat): 510 mg/m³/2H

Standard Draize (eye, rabbit): 250 ug (severe)

Peroxymonosulfuric Acid:

Similar to sulfuric acid

SUBACUTE TO CHRONIC TOXICITY:

Long term exposure to mist or vapors may damage teeth. Chronic exposure to sulfuric acid containing mists is a cancer hazard.

IARC category 1 strong inorganic acid mists containing sulfuric acid; does not necessarily apply to solutions containing sulfuric acid.

SECTION 12. ECOLOGICAL INFORMATION

Bioaccumulation : There is no evidence of bioaccumulation.

Ecotoxicity : Biologic effects: This material is expected to be toxic to aquatic life
Hydrogen peroxide: 40 ppm (no time period specified) for fingerling trout/toxic/salt water

Sulfuric Acid:

LC50 (flounder): 100-330 mg/L/48 hr aerated water

LC50 (shrimp): 80-90 mg/L/48 hr aerated water

LC50 (prawn): 42.5 ppm/48 hr salt water

SECTION 13. DISPOSAL CONSIDERATIONS

DISPOSAL: Dispose of in accordance with all federal state and local regulations. Send waste to an approved waste disposal facility. RCRA waste code D001.

SECTION 14. TRANSPORTATION INFORMATION

Class 8 (5.1)

PG I

UN3098

Shipping Name: Oxidizing liquid corrosive N.O.S. (Sulfuric acid; Peroxymonosulfuric acid)

SECTION 15. REGULATORY

Symbol: C, Corrosive; O, Oxidizer

R-Phrase:

R5: Heating may cause an explosion

R8: Contact with combustible material may cause fire.

R21/22: Harmful in contact with skin and if swallowed.

R23/24/25: Toxic by inhalation, in contact with skin, and if swallowed.

R35: Causes severe burns.

R36/37/38: Irritating to eyes, respiratory system, and skin.

R41: Risk of serious damage to eyes.

R49: May cause cancer by inhalation

S-Phrases:

S17: Keep away from combustible material.

S23-36/37/39-45 Do not breathe vapor. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves, and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SECTION 16. OTHER INFORMATION

NFPA Codes:

Health: 3

Flammability: 0

Reactivity: 3

R8: Contact with combustible material may cause fire.

R35: Causes severe burns.

All ingredients of this product are listed on the US TSCA inventory under their parent anhydrous compounds.