

SAFETY DATA SHEET

Version 2.2

Revision Date: 12-14-15

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: XploSafe XploSens P
Product Use: Visual detection of peroxides
SKU#: 1005

Manufacturer: XploSafe, LLC
3514 N Park Drive
Stillwater, Oklahoma 74075
Office: 405-334-5720

SECTION 2 — HEALTH HAZARDS IDENTIFICATION

Pictogram



Signal word Danger

Hazard statement(s)

H290 May be corrosive to metals.
H314 Can cause severe skin burns and eye damage.

Precautionary statement(s)

P234 Keep only in the original container.
P260 Do not breathe dust or mist.
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves / protective clothing / eye protection / face protection.
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse the skin with water/shower.
P304 + P340 + P310 IF INHALED: Remove the person to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or a doctor / physician.

P305 + P351 + P338 + P310 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 a doctor / physician.

P363 Wash the contaminated clothing before reusing.

P390 Absorb spillage to prevent material damage.

P405 Store locked up.

P406 Store in a corrosive resistant stainless steel container with a resistant inner liner.

P501 Dispose the content / container using an approved waste disposal facility.

SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

<i>Composition</i>	Percent	CAS Number
Water	79%	7631-86-9
Sulfuric acid	19%	7664-93-9
Proprietary ink	2%	None issued

Physical Appearance: Clear liquid

SECTION 4 — FIRST AID MEASURES

Eye Contact:

Check and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.

Skin Contact:

After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and a non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cold water may be used.

Cover the irritated skin with an emollient. If irritation persists seek medical attention.

Serious Skin Contact:

Wash with a disinfectant soap and cover the contaminated skin with anti-bacterial cream. Seek immediate medical attention.

Inhalation:

Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation:

Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. **WARNING:** It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.

Ingestion:

Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: Not available.

SECTION 5 — FIRE FIGHTING MEASURES

Flammability of the Product: Non-flammable.

Auto-Ignition Temperature: Not applicable.

Flash Points: Not applicable.

Flammable Limits: Not applicable.

Products of Combustion: Not available.

Fire Hazards in Presence of Various Substances: Not applicable.

Explosion Hazards in Presence of Various Substances: Not available.

Risks of explosion of the product in presence of mechanical impact: Not available.

Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions: Not applicable.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available

SECTION 6 — ACCIDENTAL RELEASE MEASURES

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

SECTION 7 — HANDLING AND STORAGE

Keep in a tightly closed container. Protect from physical damage. Store in a cool, dry, ventilated area away from heat, moisture and incompatibilities. Observe all warnings and precautions listed for the product.

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Engineering Controls - Use only in well ventilated areas. Use local exhaust extraction.

Hygiene measures - Avoid contact with the material. Wash hands thoroughly after handling. Do not reuse clothing if contaminated until thoroughly decontaminated.

Respiratory protection - Use either an atmosphere-supplying respirator or an air-purifying respirator for particulates.

Eye protection - Wear safety goggles or glasses to prevent eye contact.

Hand protection - Wear neoprene, nitrile, PVC or latex gloves to prevent contact.

Body Protection - When there is a possibility of exposure, wear a coat and chemically resistant safety boots without lace holes.

Exposure Limits:

Sulfuric acid TWA: TLV: 0.2 (mg/m³) from OSHA; TWA: LAC: 1 (mg/m³) from OSHA.

Consult local authorities for acceptable exposure limits.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical state and appearance: Liquid.

Odor: Similar to H₂SO₄

Taste: Not available.

Molecular Weight: Not applicable.

Color: Clear.

pH (1% sol./water): Acidic.

Boiling Point: The lowest known value is 100°C (212°F) (Water).

Melting Point: Not available.

Critical Temperature: Not available.

Specific Gravity: 1.22 (Water = 1).

Vapor Pressure: The highest known value is 17.535 mm of Hg (@ 20°C) (Water).

Vapor Density: The highest known value is 0.62 (Air = 1) (Water).

Volatility: Not available.

Odor Threshold: Not available.

Ionicity (in Water): Not available.

SECTION 10 — STABILITY AND REACTIVITY

Stability: The product is stable.

Instability Temperature: Not available.

Incompatibility with various substances: Slightly reactive or reactive to organic materials, metals, alkalis.

Corrosivity:

Corrosive in the presence of steel, aluminum or copper. Non-corrosive in the presence of glass.

Polymerization: No.

SECTION 11 — TOXICOLOGICAL INFORMATION

Routes of Entry: Absorbtion through skin. Dermal contact. Eye contact. Inhalation. Ingestion.

Toxicity to Animals:

WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 2-HOUR EXPOSURE. Acute toxicity of the vapor (LC50): 510 mg/m³ 2 hour(s) [Rat]. (Sulfuric acid).

Chronic Effects on Humans:

DEVELOPMENTAL TOXICITY: PROVEN The substance is toxic to the reproductive system, ovary, testes.

Other Toxic Effects on Humans:

Hazardous in case of skin contact (irritant, sensitizer), ingestion, inhalation (lung irritant, lung sensitizer). Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans:

One component is extremely destructive to tissue of the mucous membranes and the upper respiratory tract (Sulfuric acid).

SECTION 12 — ECOLOGICAL INFORMATION

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may appear.

Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

Special Remarks on the Products of Biodegradation: Not available

SECTION 13 — DISPOSAL CONSIDERATIONS

This product should be managed using an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose the container and the unused content in accordance with the federal, state and local requirements.

SECTION 14 — TRANSPORT INFORMATION

DOT Classification: CLASS 8: Corrosive liquid.

Identification: Corrosive Liquid, n.o.s. UN1760 PG: III

Special Provisions for Transport: Not available.

SECTION 15 — REGULATORY INFORMATION

Federal and State Regulations:

Pennsylvania RTK: Sulfuric acid Massachusetts RTK: Sulfuric acid TSCA 8(b) inventory: Sulfuric acid

Water SARA 302/304/311/312 extremely hazardous substances: Sulfuric acid SARA 313 toxic chemical notification and release reporting: Sulfuric acid CERCLA: Hazardous substances: Sulfuric acid

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications:

WHMIS (Canada):

CLASS D-1B: Material causing immediate and serious toxic effects (TOXIC). CLASS D-2A: Material causing other toxic effects.

(VERY TOXIC). CLASS E: Corrosive liquid.

DSCL (EEC):

R35- Causes severe burns. R43- May cause sensitization by skin contact.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 0

Reactivity: 0

National Fire Protection Association (U.S.A.):

Health: 1

Flammability: 0

Reactivity: 1

SECTION 16 — OTHER INFORMATION

NFPA Ratings: Health 2, Flammability 0, Reactivity 0

Precautions: Do not inhale dust. Prevent contact with skin and other organs by wearing protective gear.

Disclaimer: This product is intended for use as described by XploSafe. Any use of the product not in conformance with this Material Safety Data Sheet or with any other product or process not intended by XploSafe is the responsibility of the user.

Warranty: The above information is believed to be correct, but does not purport to be all-inclusive and shall only be used as a guide. XploSafe shall not be held liable for any damage resulting from handling or from contact with the above product.

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