



SAFETY DATA SHEET

ProChemOnline.com



SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **Hydrogen Peroxide, 30%**

PRODUCT NUMBER: 13070

SYNONYMS: Peroxide

MANUFACTURER:

Prochem, Inc.
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IN CASE OF TRANSPORTATION EMERGENCY CONTACT CHEM-TREC: 1-800-424-9300

SECTION 2 HAZARDS IDENTIFICATION

CLASSIFICATION OF SUBSTANCE OR MIXTURE

Pictogram



Signal Word

Danger

Hazard Statements

H271	May cause fire or explosion; strong oxidizer
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H333	May be harmful if inhaled
H402	Harmful to aquatic life

Precautionary Phrases

P220	Keep/store away from clothing/combustible materials.
P280	Wear protective gloves/protective clothing/eye protection/face protection
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/physician.

HMIS CLASSIFICATION:

Health: 3 Fire: 0 Reactivity Hazard: 1 Personal: D

NFPA RATING:

Health: 3 Flammability: 0 Reactivity Hazard: 1 Specific Hazard: OX

EYE CONTACT: May cause serious eye damage.

SKIN CONTACT: Irritating to skin. Contact causes redness, burns, itching, and pain. Prolonged or repeated skin exposure may cause dermatitis.

SECTION 2 HAZARDS IDENTIFICATION (Cont.)

INHALATION: Irritating to the respiratory system. Causes irritation to the respiratory tract.

INGESTION: Causes irritation and pain.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Component	Weight %	CAS #	Formula	Molecular Weight
Hydrogen Peroxide	30	7722-84-1	H ₂ O ₂	34.01
Water	Balance	7732-18-5	H ₂ O	18.00

SECTION 4 FIRST AID MEASURES

EYE EXPOSURE: In case of eye contact, rinse with plenty of water and seek medical attention if necessary.

SKIN EXPOSURE: Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and wash using soap. Get medical attention if necessary.

INHALATION: Remove to fresh air and keep at rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention if necessary.

INGESTION: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If conscious, wash out mouth with water. Get medical attention if necessary.

SECTION 5 FIREFIGHTING MEASURES

FLASH POINT: Product is not flammable

AUTO IGNITION TEMPERATURE: Not available

EXPLOSION LIMITS: Not explosive

EXTINGUISHING MEDIUM: Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide. Use flooding quantities of water to cool containers. **SPECIAL FIRE FIGHTING PROCEDURES:** Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.

HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS: No data available

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Wear all appropriate equipment when using this material. Ensure adequate ventilation.

ENVIRONMENTAL PRECAUTIONS: Prevent spillage from entering drains. Any release to the environment may be subject to federal/national or local reporting requirements.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Neutralize spill with sodium bicarbonate or lime. Absorb spill with noncombustible absorbent material, then place in a suitable container for disposal. Clean surfaces thoroughly with water to remove residual contamination. Dispose of all waste and cleanup materials in accordance with regulations.

SECTION 7 HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Wear appropriate personal protective equipment. Use with adequate ventilation. Wash thoroughly after using. Keep container closed when not in use.

CONDITIONS FOR SAFE STORAGE: Store in cool, dry well ventilated area. Keep away from incompatible materials. Store in the dark.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE CONTROLS

Component	Exposure Limits	Basis	Entity
Hydrogen Peroxide	1 ppm	1.4 mg/m ³	TLV
	1 ppm	1.4 mg/m ³	PEL
	1 ppm	1.4 mg/m ³	REL

TLV: Threshold Limit Value over 8 hours of work.

REL: Recommended Exposure Limit

PEL: Permissible Exposure Limit

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION (Cont.)

EYE PROTECTION: Wear chemical safety glasses or goggles.

SKIN PROTECTION: Wear nitrile or rubber gloves, apron, or lab coat.

VENTILATION: Provide local exhaust, preferably mechanical.

RESPIRATOR: Use an approved respirator

ADDITIONAL PROTECTION: Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

COLOR AND FORM: Clear liquid

ODOR: None

BOILING POINT: No data available

MELTING POINT: No data available

SPECIFIC GRAVITY: Not available

VAPOR DENSITY: No data available

SOLUBILITY: Soluble

SECTION 10 STABILITY AND REACTIVITY

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: Store out of direct light.

INCOMPATIBILITY: Brass, Copper, Powdered metals, Iron, Iron and iron salts, and combustible materials

DECOMPOSITION PRODUCTS: Oxygen

SECTION 11 TOXICOLOGICAL DATA

ACUTE TOXICITY: LD50 Dermal – rat – 4060 mg/kg. LC50 Vapor – rat – 2,000 mg/m – 4hrs. LD50 Oral – mouse – 2000 mg/kg.

CARCINOGENIC EFFECTS: According to NTP and OSHA, No components of this product present at levels greater than or equal to 0.1% is identified a carcinogen. IARC: Not classifiable as its carcinogenicity to humans. ACGIH: Confirmed animal carcinogen with unknown relevance to humans.

MUTAGENIC EFFECTS: Not available

TETRATOGENIC EFFECTS: Not available

RTECS: MX0900000

To the best of our knowledge the toxicological effects of this compound have not been fully investigated.

SECTION 12 ECOLOGICAL DATA

No data available

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of in according to local, state, and federal regulations.

SECTION 14 TRANSPORTATION DATA

UN2014

Hydrogen peroxide, aqueous solutions

CLASS 5.1 (8)

PG II

SECTION 15 REGULATORY INFORMATION

TSCA: Listed in the TSCA inventory

DSCL (EEC): Listed on the DSCL inventory

SARA 302/304: Listed: Hydrogen Peroxide

SARA 311/312: Hydrogen Peroxide

SARA (TITLE 313): Listed: Hydrogen Peroxide

CALIFORNIA PROP. 65: Not Listed

WHMIS CANADA: Class C: Oxidizing material. Class D-2B: Toxic material causing other toxic effects.

SECTION 16 OTHER INFORMATION

DISCLAIMER: The information herein is believed to be accurate and reliable as of the date compiled. However, Prochem, Inc. makes no representation, warranty, or guarantee of any kind with respect to the information in this document or any use of the product based on the information.

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