Safety Data Sheet

SDS# 0017

Hydrogen Peroxide 6%

Crystal Clear Lab™

Hydrogen Peroxide 6%

SECTION 1: IDENTIFICATION

Product Identifier: Hydrogen Peroxide 6%

Synonyms / Generic Names: Peroxide

SDS Number: CCL_SDS0017

Manufacturer: Crystal Clear Lab

Address: 13854 C Plaza, Omaha, NE 68144

24-Hour Emergency Contact: 1-833-875-0643

Recommended Use: Industrial, manufacturing, laboratory use, and general cleaning.

Restrictions on Use: Use only as directed.

SECTION 2: HAZARD IDENTIFICATION

OSHA Hazards: Irritant.

Target Organs: Eyes, skin.

GHS Classification: Skin Irritation - Category 2; Serious Eye Damage - Category 1.

Official OSHA Pictogram: Signal Word: DANGER

Hazard Statements: H315 - Causes skin irritation. H318 - Causes serious eye damage.

Precautionary Statements: P264 - Wash hands thoroughly after handling. P280 - Wear protective gloves/eye protection/face protection. P302+P352 - IF ON SKIN: Wash with plenty of water. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P332+P313 - If skin irritation occurs: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse.

Potential Health Effects: Eyes - May cause serious irritation. Inhalation - Irritating to the respiratory system and respiratory tract. Skin - Contact causes redness, burns, itching, and pain; prolonged or repeated exposure may cause dermatitis. Ingestion - Causes irritation and pain.

System	Health	Flammability / Fire	Reactivity	Other
NFPA	2	0	0	Specific hazard: Not available
HMIS	2	0	0	Personal protection: Not available

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component	Weight %	CAS No.	EINECS / ELINCS	Formula	Molecular Weight
Hydrogen Peroxide	5-7	7722-84-1	231-765-0	H_2O_2	34.01 g/mol
Water	Balance	7732-18-5	231-791-2	H_2O	18.00 g/mol

SECTION 4: FIRST-AID MEASURES

Route	First Aid
Eyes	Rinse with plenty of water for at least 15 minutes and seek medical attention.
Inhalation	Move casualty to fresh air and keep at rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.
Skin	Flush with plenty of water for at least 15 minutes while removing contaminated clothing; wash using soap. Get medical attention.
Ingestion	Do not induce vomiting. Never give anything by mouth to an unconscious person. If conscious, wash out mouth with water. Get medical attention.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable and Unsuitable Extinguishing Media: Product is not flammable. Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide. Use flooding quantities of water to cool unopened containers.

Special Protective Equipment and Precautions for Firefighters: Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.

Specific Hazards Arising from the Chemical: Emits toxic fumes under fire conditions; see Section 10.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures: See Section 8 for recommendations on personal protective equipment.

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: See Section 8 for personal protective equipment recommendations. Use with adequate ventilation. Wash thoroughly after use. Keep container closed when not in use.

Conditions for Safe Storage, Including Incompatibilities: Store in a cool, dry, well-ventilated area. Isolate from combustible material. Store in the dark and in vented containers. Keep away from incompatible materials; see Section 10.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	Exposure Limit	Basis	Entity
Hydrogen Peroxide	1 ppm; 1.4 mg/m³	TLV	ACGIH
Hydrogen Peroxide	1 ppm; 1.4 mg/m³	PEL	OSHA
Hydrogen Peroxide	1 ppm; 1.4 mg/m³	REL	NIOSH

TWA: Time-Weighted Average over 8 hours. TLV: Threshold Limit Value over 8 hours. REL: Recommended Exposure Limit. PEL: Permissible Exposure Limit. STEL: Short-Term Exposure Limit. IDLH: Immediately Dangerous to Life or Health. WEEL: Workplace Environmental Exposure Level. CEIL: Ceiling.

Personal Protection

Eyes: Wear chemical safety glasses with a face shield if splashing is likely.

Inhalation: Provide local exhaust, preferably mechanical. If exposure levels are excessive, use an approved respirator.

Skin: Wear neoprene or nitrile gloves, apron, and other protective clothing appropriate to the risk of exposure.

Other: Not available.

Other Recommendations: Provide eyewash stations, quick-drench showers, and washing facilities accessible to areas of use and handling. Have supplies and equipment for neutralization and running water available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Appearance	Clear, colorless liquid
Odor	No odor
Odor Threshold	Not applicable
pH	Not available
Melting / Freezing Point	Not available
Initial Boiling Point and Range	Not available
Flash Point	Not flammable
Evaporation Rate	Not available
Flammability	Not flammable
Upper / Lower Flammability or Explosive Limit	Not explosive
Vapor Pressure	Not available
Vapor Density	Not available
Specific Gravity	1.0218 (water = 1)
Solubility	Completely soluble in water
Partition Coefficient: n-octanol/water	Not available
Auto-Ignition Temperature	Not applicable
Decomposition Temperature	Not available

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: Stable.

Possibility of Hazardous Reactions: Will not occur.

Conditions to Avoid: Store out of direct light.

Incompatible Materials: Brass, copper, powdered metals, iron and iron salts, and combustible materials.

Hazardous Decomposition Products: Not available.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity: Skin - Not available; Eyes - Not available; Respiratory - Not available; Ingestion - Not available.

Carcinogenicity: IARC - Group 3, not classifiable as to carcinogenicity to humans (hydrogen peroxide). ACGIH - A3, confirmed animal carcinogen with unknown relevance to humans (hydrogen peroxide). NTP - No component present at ≥0.1% is identified as a known or anticipated carcinogen. OSHA - No component present at ≥0.1% is identified as a carcinogen or potential carcinogen.

Signs and Symptoms of Exposure: Skin - Redness, burning, itching, and pain. Eyes - Eye burns, pain, and watering. Respiratory - Coughing, shortness of breath, burning, wheezing, laryngitis, headache, or nausea. Ingestion - Irritation and pain.

Other Toxicological Endpoints: Chronic toxicity, teratogenicity, mutagenicity, embryotoxicity, specific target-organ toxicity, reproductive toxicity, and respiratory/skin sensitization - Not available.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Aquatic vertebrate - Not available; Aquatic invertebrate - Not available; Terrestrial - Not available.

Persistence and Degradability: Not available.

Bioaccumulative Potential: Not available.

Mobility in Soil: Not available.

PBT and vPvB Assessment: Not available.

Other Adverse Effects: Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Product or Residues: Review operations under applicable federal, national, or local regulations and consult appropriate regulatory agencies if necessary before disposal.

Product Containers: Review operations under applicable federal, national, or local regulations and consult appropriate regulatory agencies if necessary before disposal of product containers.

The information in this section applies to the product as shipped. Use or alteration may change the material characteristics, waste classification, and proper disposal method.

SECTION 14: TRANSPORT INFORMATION

Mode / Authority	Classification
US DOT	Not dangerous goods
TDG	Not dangerous goods
IMDG	Not dangerous goods
Marine Pollutant	No
IATA / ICAO	Not dangerous goods

SECTION 15: REGULATORY INFORMATION

Regulation	Status
TSCA Inventory	All ingredients listed
DSCL (EEC)	All ingredients listed
California Proposition 65	Not listed
SARA 302	Not listed
SARA 304	Not listed
SARA 311	Acute health hazard
SARA 312	Acute health hazard
SARA 313	Not listed
WHMIS Canada	Not listed

SECTION 16: OTHER INFORMATION

Original Source Date: 01-Sep-2021

Crystal Clear Lab Revision Date: 31-Aug-2026

Revision Note: Reissued under Crystal Clear Lab identity and formatting; supplier branding, product numbers, contact information, and document metadata removed. Source concentration retained at 5-7% hydrogen peroxide. Official OSHA GHS05 pictogram embedded without modification; the exclamation pictogram is omitted under OSHA pictogram-precedence rules because GHS05 is required for serious eye damage.

Disclaimer

The information in this Safety Data Sheet is believed to be accurate at the date of publication. It relates only to the product identified in Section 1 and not to use in combination with other materials or products or in any particular process. Persons handling, storing, or using the product should ensure they have current information for the manner in which it is handled, stored, or used and that activities comply with federal, state, and local law. Crystal Clear Lab makes no warranty, express or implied, including warranties regarding completeness, continuing accuracy, or fitness for a particular use, and disclaims liability for loss, injury, damage, or expense arising from handling, storage, use, or disposal of this product.

End of Safety Data Sheet