



Flinn Scientific Canada Inc.
175 Longwood Road South
Hamilton, Ontario L8P 0A1 Canada
1-844-200-1455

PRODUCT: Hydrogen peroxide, 30%

CODE: J398.00

SECTION 01: IDENTIFICATION

MANUFACTURER..... Flinn Scientific Inc.
PO Box 219
Batavia, Illinois 60510 USA
Tel: 1-800-452-1261

PRODUCT NAME..... Hydrogen peroxide, 30%

PRODUCT USE..... This product is intended for use in a laboratory. The use of this product is restricted for use in a laboratory only.

SYNONYMS..... Hydrogen dioxide .

EMERGENCY NUMBER:..... CHEMTREC Emergency Phone Number: 703-527-3887 .

SECTION 02: HAZARD IDENTIFICATION



SIGNAL WORD..... DANGER.

HAZARD CLASSIFICATION..... Oxidizing Liquids — Category 1. Acute Toxicity (Oral) — Category 4. Skin Corrosion — Category 1. Serious Eye Damage — Category 1.

HAZARD STATEMENT(S)..... H271 May cause fire or explosion; strong oxidizer. H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage.

PRECAUTIONARY STATEMENT(S)..... P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking. P260 Do not breathe dust/fume/gas/mist/vapours/spray. P264 Wash thoroughly after handling. P270 Do no eat, drink or smoke when using this product. P220 Keep/Store away from clothing and combustible materials. P221 Take any precaution to avoid mixing with combustibles. P280 Wear protective gloves, protective clothing, eye protection and face protection. P283 Wear fire/flame resistant/retardant clothing. P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P271 Use only outdoors or in a well-ventilated area.

RESPONSE..... P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P370+P378 In case of fire: Use tri-class dry chemical fire extinguisher for extinction. P371+P380+P375 In case of major fire and large quantities: Evacuate area. Fight fire remotely due to risk of explosion. P306+P360 IF ON CLOTHNG: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes. P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P363 Wash contaminated clothing before reuse. P310 IMMEDIATELY call a POISON CONTROL center or a doctor. P312 Call a POISON CENTER or doctor/physician if you feel unwell.

STORAGE..... Flinn Suggested Chemical Storage Pattern: Inorganic #6.

DISPOSAL..... P501 Dispose of contents/container in accordance with local regulations.

SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	WT. %
Hydrogen peroxide	7722-84-1	30
Water	7732-18-5	70

SECTION 04: FIRST AID MEASURES

MEDICAL ATTENTION AND SPECIAL TREATMENT Immediately call a POISON CENTER or physician.

INHALATION..... Remove victim to fresh air and keep at rest in a position comfortable for breathing.

INGESTION..... Rinse mouth. Immediately call a POISON CENTER or physician.

SKIN CONTACT..... Rinse cautiously with water for several minutes . Immediately remove all contaminated clothing. Rinse skin with water .

EYE CONTACT..... Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. If in eyes: IMMEDIATELY call poison center or physician.

PRODUCT: Hydrogen peroxide, 30%**CODE: J398.00****SECTION 05: FIRE FIGHTING MEASURES**

EXTINGUISHING MEDIA..... Use a tri-class dry chemical fire extinguisher .
 HAZARDOUS COMBUSTION PRODUCTS. Nonflammable, noncombustible solution. Powerful oxidizer.
 SPECIAL FIRE FIGHTING PROCEDURES. Strong oxidizing agent; dangerous fire and explosion risk when in contact with combustible materials .
 NFPA CODE..... H:3 F:0 R:1 Oxidizer.

SECTION 06: ACCIDENTAL RELEASE MEASURES

PROTECTIVE EQUIPMENT AND Wear protective gloves, protective clothing, and eye protection. Wash hands thoroughly
 EMERGENCY PROCEDURES after handling.
 METHODS AND MATERIALS FOR Ventilate area. Contain spill with sand or absorbent material; deposit in sealed bag or
 CONTAINMENT AND CLEANING UP container. See Sections 8 and 13 for further information.

SECTION 07: HANDLING AND STORAGE

HANDLING PROCEDURES..... Use only in a hood or well-ventilated area.
 STORAGE NEEDS..... Store with chlorates, bromates, iodates, chlorites, perchloric acid and peroxides. Stored at room temperature, this substance decomposes at a rate of 0.5% per year. Light sensitive.
 FLINN SUGGESTED CHEMICAL STORAGE INORGANIC #6.
 PATTERN

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	ACGIH TLV		OSHA PEL		NIOSH REL
	TWA	STEL	PEL	STEL	
Hydrogen peroxide	1 ppm	1.4 mg/m ³	Not established	1 ppm (TWA)	Not established
Water	Not established	Not established	Not established	Not established	Not established
PROTECTIVE EQUIPMENT.....	Wear protective gloves, protective clothing, and eye protection.				
EYE/TYPE.....	Safety goggles.				
RESPIRATORY/TYPE.....	Respiratory device if needed. Use only in a hood or well-ventilated area.				
GLOVES/ TYPE.....	Protective gloves.				
CLOTHING/TYPE.....	Protective clothing. Contaminated clothing should not be worn out of the workplace.				
FOOTWEAR/TYPE.....	Protective footwear.				
BODY/TYPE.....	General personal protective equipment.				

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE..... Colourless liquid.
 ODOUR..... Slight acrid odor.
 ODOUR THRESHOLD..... No data available.
 pH..... 3.3.
 MELTING POINT/FREEZING POINT (°C).... -25 °C.
 BOILING POINT (°C)..... 106 °C.
 FLASH POINT (°C), METHOD..... Not available.
 EVAPORATION RATE..... Not applicable .
 FLAMMABILITY (SOLID; GAS)..... Not applicable .
 LOWER FLAMMABLE LIMIT (% VOL)..... Not available.
 UPPER FLAMMABLE LIMIT (% VOL)..... Not available.
 VAPOUR PRESSURE (mm Hg)..... Not applicable.
 VAPOUR DENSITY (AIR=1)..... 1.17.
 RELATIVE DENSITY..... 1.110 g/cm³.
 SOLUBILITY..... Water and alcohol.
 PARTITION COEFFICIENT — Not available.
 (N-OCTANOL/WATER)
 AUTO IGNITION TEMPERATURE (°C)..... Not available.
 DECOMPOSITION TEMPERATURE..... Not available.
 VISCOSITY..... Not available.

SECTION 10: STABILITY AND REACTIVITY

STABILITY..... Shelf Life: Fair to poor; see section 7 for further information.
 POSSIBILITY OF HAZARDOUS REACTIONS Avoid contact with reducing agents, strong bases, organics, combustible materials and oxidizable materials.
 CONDITIONS TO AVOID..... Avoid heating this substance.
 INCOMPATIBLE MATERIALS..... Keep away from reducing agents, strong bases, organics, combustible material and oxidizable materials .

PRODUCT: Hydrogen peroxide, 30%

CODE: J398.00

SECTION 10: STABILITY AND REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS In the event of fire; reference section 5.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Hydrogen peroxide	2000 mg/m ³	ORL-HMN: 1429 mg/kg
Water	Not established	Not established
ROUTE OF ENTRY:.....	Inhalation, ingestion, skin and/or eye contact.	
ACUTE EFFECTS.....	Corrosive.	
CHRONIC EFFECTS	Not available, not all health aspects of this substance have been fully investigated.	
TARGET ORGANS.....	Not available, not all health aspects of this substance have been fully investigated.	

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY..... Data not yet available.

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSAL METHODS..... Please review all Federal, Provincial and Local Regulations that may apply before proceeding.

SECTION 14: TRANSPORT INFORMATION

SHIPPING NAME..... UN2014- Hydrogen peroxide, aqueous solution - Hazard class: 5.1, oxidizer - Packing group II.

PROOF OF CLASSIFICATION..... This product has been classified in accordance with Part 2 of the Transportation of Dangerous Goods Regulations.

SECTION 15: REGULATORY INFORMATION

CEPA STATUS..... DSL - The substance is specified on the public Portion of the Domestic Substances List.

U.S. TSCA INVENTORY STATUS..... Listed. RCRA code D001, D002.

EINECS STATUS..... Listed. (231-765-0).

SECTION 16: OTHER INFORMATION

DISCLAIMER:..... This Safety Data Sheet (SDS) is for guidance and is based upon information and tests believed to be reliable. Flinn Scientific, Inc. makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. The data should not be confused with local, state, federal or insurance mandates, regulations, or requirements and CONSTITUTE NO WARRANTY. Any use of this data and information must be determined by the science instructor to be in accordance with applicable local, state or federal laws and regulations. The conditions or methods of handling, storage, use and disposal of the product(s) described are beyond the control of Flinn Scientific, Inc. and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THIS PRODUCT(S).

PREPARED BY: Flinn Scientific Inc.

DATE OF LATEST REVISION..... DEC 28/2015