

4% HYDROGEN PEROXIDE (w/w)

Meets recommendations from Health Canada and CDC (USA)

Safety Data Sheet

Emergency Phone: Canutec 613-996-6666 (24 /7)

Section 1	Identification of the Substance/Mixture and of the company/undertaking
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Product identifier

Product Name 4% HYDROGEN PEROXIDE (w/w)
CAS No. Mixture

Relevant identified uses of the substance or mixture and uses advised against

Identified Use(s) Disinfection of hard surfaces
Meets recommendations from Health Canada and CDC (USA)
Synonym: 4% HYDROGEN PEROXIDE (w/w)

Details of the supplier of the safety data sheet

Supplier

Greensolv
141 Labrosse Ave
Pointe-Claire
Quebec
Canada
H9R 1A3
+1 514-457-8000
www.greensolv.com
info@greensolv.com

Section 2	Hazards Identification
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SIMDUT 2005 Classification

Serious eye damage/ eye irritation (Category 2A)

Pictogramm:**Signal Word(s)****ATTENTION****Hazard Statement(s)**

H319: Cause serious eye irritation

Precautionary Statement(s)

P234: Keep only the original container.
P260: Do not breathe dust/fumes/gas/mist/vapours spray.
P264: Wash hands thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331: IF SWALLOWED: Rinse mouth' DO NOT induced vomiting.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340+P310: IF INHALED: Transport the person outside and keep him in a position where he can comfortably breathe. Call a POISON CENTER or doctor immediately.
P305+P351+P338 : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P312: Immediately call a POISON CENTER or doctor.
P332+P313: In case of skin irritation: consult a doctor.
P337+P313: If eye irritation persist consult a doctor.
P363: Wash contaminated clothing before reuse.
P405: Store locked up.
P501: Dispose of contents in accordance with local, state or national legislation.

Section 3 Composition / Information on Ingredients

Name	CAS #	% (w/w)
Hydrogen Peroxide	7722-81-1	4
Deionized water	7732-18-5	96

Section 4 First Aid Measures**Description of first aid measures****Inhalation**

Remove person to fresh air and keep at rest in a position comfortable for breathing. See medical attention if symptoms appear.

Ingestion

Rinse mouth. Do not induce vomiting. Never give anything by mouth to an unconscious person. See medical attention if symptoms appear.

Skin Contact

Rinse skin with plenty soap and water for at least 15 minutes. Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice / attention.

Eye Contact

Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Section 5 Fire-Fighting Measures**Suitable extinguishing media**

Use extinguishing agent suitable for the surrounding material.

Specific product hazards

In a fire, closed containers may explode. Keep containers cool to prevent breakage and release of the product. Spilled material can make floors slippery and the surfaces it comes in contact with.

Sensitivity to shock and electrostatic discharge

Probably not sensitive.

Fire Fighting Instructions

SMALL FIRE: Use dry chemical powder.

LARGE FIRE: Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, auto ignition or explosion.

Special protective equipment for firefighters

Firefighters must wear self-contained breathing apparatus and full firefighting attire. Use personal protective equipment.

Combustion products

These products are carbon oxides (CO,CO₂), nitrogen oxides (NO,NO₂)

Section 6	Accidental Release Measures
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Personal Protection:

Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Restrict access until cleanup is complete. Ensure that cleaning is done by qualified personnel. Remove all sources of ignition. Remove combustible and flammable materials. All persons involved in clean-up should wear appropriate protective equipment (see Section 8)

Spill /cleanup:

Absorb with an inert material and dispose of the waste in an appropriate container. Finally, clean by spreading water on the contaminated surface and dispose of according to local or regional regulations required by the authorities.

Environmental precautions:

Prevent entry into sewers, basements or confined areas; dike if needed. Dispose of as local, Provincial and national regulations.

Section 7	Handling and Storage
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Handling and procedure

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Do not ingest. Protect against frost. Spilled material can be slippery. Avoid breathing mist or vapors. When mixing, gently add to water to minimize heat generation and accidental splashing. Label the container properly. Provide adequate ventilation.

Storage temperature

Keep in an isolated and approved place. Store in a cool, well-ventilated. Place away incompatible materials. Keep container tightly closed until needed. Avoid extreme temperatures (below 0°C or above 30°C.) Isolate materials combustibles. Store in the dark.

Incompatible materials

Reducing agents, alkalis, combustible materials, organic materials, heavy metals and their salts.

Section 8 Exposure Controls / Personal Protection**Control parameters****Engineering Controls**

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the workstation on location.

Personal Protective equipment

Eyes:	Face shield (recommended), safety glasses or goggles
Body:	Long sleeves.
Respiratory:	Wear appropriate respirator for volatile organic compound (VOC). Approved or certified respirator with Organic vapor cartridges.
Hands:	Chemical resistant gloves (rubber, nitrile, latex or equivalent).
Feet:	Boots.

Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Boots. Gloves. Respirator for VOC.

Exposure limits:

Refer to section 11 of this safety data sheet.

Section 9 Physical and Chemical Properties**Information on basic physical and chemical properties**

Physical State and appearance:	Liquid.
Color:	Colorless.
Odor:	Any.
pH :	Not available.
Boiling Point:	Not available.
Freezing point:	Not available.
Flash Point:	Not available.
Flash Point:	Not available.
Flammability:	Not available.
Upper/lower flammability limit:	Not available.
Upper/lower flammability limit:	Not available.
Critical Temperature:	Not available.
Relative density:	Not available.
Vapor Pressure:	Not available.
Volatility:	Not available.
Odor threshold:	Not available.
Evaporation Rate:	Not available.
VOC:	0%
Viscosity:	Not available.
Dispersion Properties:	Not available.
Solubility:	Soluble in water.
Decomposition temperature:	Not available.

Technical Support

Greensolv inc.
(514) 457-8000 | 866-826-8400
info@greensolv.com | www.greensolv.com

Sales Support

Laurentide Controls
1-800-728-9230
info@laurentide.com | www.laurentide.com

Section 10	Stability and Reactivity
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Stability and Reactivity

Unstable when exposed to light.

Dangerous Polymerization

Will not occur.

Conditions of Instability:

Direct sunlight. Extremely high or low temperatures.

Hazardous Decomposition products

Water and oxygen.

Section 11	Toxicological Information
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Toxicological data

There are no data for the product itself, only for the ingredients. See section 3 for more information.

Toxicological effects

Name	Test	Result	Route	Species
10% Hydrogen Peroxide (ww)	LD ₅₀	4170 mg/kg	Oral	Rat

Chronic Effects on Humans: Carcinogenic Effects: Not listed by IARC or ACGIH

Other Toxic Effects on Humans: Irritating to eyes and skin.

Special remarks on Toxicity to Animals: Not Available.

Special Remarks on Chronic Effects on Humans: Not Available.

Special Remarks on Other Toxic Effects to Human: Not Available.

Section 12	Ecological Information
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BOD and COD:	Not available.
Biodegradable/OECD:	Not available.
Mobility:	Not available.
Products of degradation:	Not available.

Section 13 Disposal Considerations**13.1 Waste treatment methods**

Dispose of contents in accordance with local, state or national legislation. Dispose of this material and its container to hazardous or special waste collection point. Dispose at suitable refuse site.

13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

Section 14 Transport information

Information on the regulation:

Classification DOT
Classification TMD
Class IMDG
Class IATA-DGR

In accordance with DOT, no dangerous goods within the meaning of transport regulations.

Section 15 Regulatory Information**WHIMS Information:**

The product is regulated according to the Controlled Products Regulations (CPR) in Canada. See Section 2 for a WHMIS classification.

Section 16 Other information

REVISED BY: Ann Grenier, Chemist

DATE: March 30th, 2020

APPROVED BY: Carlomagno Ouellet, Chemist. DATE: March 30th, 2020

References:

- 1.The SDS from the manufacturer / supplier of products database
- 2.CSST, toxicological Directory, WHMIS, 2015.

Notice to reader: To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained therein. Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.