



Sentinel 305 Hydrogen Peroxide Disinfectant

Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date: 4/29/2025

Supersedes: All previous versions

Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : Sentinel 305 Hydrogen Peroxide Disinfectant
Product form : Mixture

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

Use of the substance/mixture : Disinfecting, cleaning and stain removal

1.3. Details of the supplier of the safety data sheet

Sentinel Products Inc.
8901 Wyoming Avenue North
Brooklyn Park, MN 55445
Phone: (763)571-0630
Toll-free: (800)373-0633
www.senpro.com

1.4. Emergency telephone number

Emergency number : 1-866-359-5661

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Not a hazardous material

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US) : None
Signal word (GHS-US) : None
Hazard statements (GHS-US) : None
Precautionary statements (GHS-US) : None

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%
Hydrogen Peroxide	(CAS No) 7722-84-1	1.0-1.5

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation : IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
First-aid measures after skin contact : IF ON SKIN : Rinse and wash with soap and water. Remove contaminated clothing and shoes and wash before reuse. If irritation develops or persists, get medical advice/attention.

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| First-aid measures after eye contact | : IF IN EYES: Immediately rinse cautiously with water for several minutes while holding eyelids open. Remove contact lenses, if present and easy to do so. Continue rinsing. If irritation develops or persists, get medical advice/attention. |
| First-aid measures after ingestion | : IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Get medical advice/attention promptly. |

4.2. Most important symptoms and effects, both acute and delayed

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| Symptoms/injuries after inhalation | : Inhalation in high concentrations may cause irritation of the upper respiratory tract. |
| Symptoms/injuries after skin contact | : Contact may cause minor irritation. Persons with a pre-existing skin condition may be more susceptible to the effects of this product. |
| Symptoms/injuries after eye contact | : Direct contact with the eyes may cause minor irritation. |
| Symptoms/injuries after ingestion | : May be Irritating to the mucous membranes of the mouth, throat, esophagus and stomach. |
| Chronic symptoms | : No data available. |

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

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| Suitable extinguishing media | : Water fog, foam, Dry chemical powder, Carbon Dioxide. |
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5.2. Special hazards arising from the substance or mixture

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| Explosion hazard | : Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. |
| Reactivity | : No dangerous reactions known under normal conditions of use. |

5.3. Advice for firefighters

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| Firefighting instructions | : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment. |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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| General measures | : Use good industrial hygiene practices. |
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6.1.1. For non-emergency personnel

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| Protective equipment | : Wear Protective equipment as described in Section 8. |
| Emergency procedures | : Evacuate unnecessary personnel. |

6.1.2. For emergency responders

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| Protective equipment | : Wear suitable protective clothing, gloves and eye or face protection. Approved supplied-air respirator, in case of emergency. |
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6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

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| For containment | : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. |
| Methods for cleaning up | : Mop up spills and flush residues with large volume of water, or soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13). |

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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| Precautions for safe handling | : Do not handle until all safety precautions have been read and understood. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. |
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7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Heat sources.
Keep container closed when not in use. Do not allow product to freeze as container may burst.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Hydrogen Peroxide (722-84-1)	
Remark (ACGIH)	1 ppm
Remark (US OSHA PEL)	TWA: 1 ppm
Remark (US OSHA PEL)	TWA: 1.4 mg/m ³
Remark (NIOSH)	IDLH: 75 ppm
Remark (NIOSH)	TWA: 1 ppm
Remark (NIOSH)	TWA: 1.4 mg/m ³

8.2. Exposure controls

Appropriate engineering controls : Ensure adequate ventilation, especially in confined areas. It is suggested that there be a source of clean water near by should it be needed for flushing eyes.

Personal protective equipment : Gloves. Protective goggles. Respiratory protection of the dependent type may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.



Hand protection : Use gloves chemically resistant to this material when prolonged or repeated contact could occur or if pre-existing skin conditions are present. Gloves should be classified under Standard EN 374 or ASTM F1296. Suggested glove materials are: Natural rubber ("latex"), Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl.

Eye protection : Eye protection, should be worn when possibility exists for eye contact due to spraying liquid or airborne particles.

Skin and body protection : Wear suitable protective clothing as necessary.

Respiratory protection : An approved organic vapor respirator/supplied air or self-contained breathing apparatus must be used when vapor concentration exceeds applicable exposure limits.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : Clear
Color : None
Odor : Slight, characteristic
Odor Threshold : No data available
pH : 1.5-2.0
Relative evaporation rate (butyl acetate=1) : Slower than ether
Melting point : No data available
Freezing point : No data available
Boiling point : >100 °C (212 °F)
Flash point : None to boiling
Self ignition temperature : No data available
Decomposition temperature : No data available
Flammability (solid, gas) : No data available
Vapor pressure : No data available

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Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosive limits	: No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Freezing. Heat.

10.5. Incompatible materials

Reducing agents.

10.6. Hazardous decomposition products

Thermal decomposition generates : Oxygen, which supports combustion.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
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Sentinel 305 Hydrogen Peroxide Disinfectant	
LD50 oral rat	> 5000 mg/kg
LC50 rat	> 2.17 mg/L

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified – Minimal effects clearing in less than 24 hours.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: May be fatal if swallowed and enters airways.
Symptoms/injuries after inhalation	: Inhalation in high concentrations may cause irritation of the upper respiratory tract.
Symptoms/injuries after skin contact	: Contact may cause minor irritation. Persons with a pre-existing skin condition may be more susceptible to the effects of this product.
Symptoms/injuries after eye contact	: Direct contact with the eyes may cause minor irritation.
Symptoms/injuries after ingestion	: May be Irritating to the mucous membranes of the mouth, throat, esophagus and stomach.

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Chronic symptoms

: No data available.

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations

: Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment.

SECTION 14: Transport information

In accordance with DOT

Transport document description

: Cleaning Compound

Department of Transportation (DOT) Hazard
Classes

: Not Regulated

Transport by sea

No additional information available

Air transport

No additional information available

In accordance with ADR / RID / IMDG / IATA / ADN

SECTION 15: Regulatory information

15.1. US Federal regulations

Sentinel 305 Hydrogen Peroxide Disinfectant

All chemical substances in this product are listed or exempt from listing in the EPA (Environmental Protection Agency) TSCA (Toxic Substances Control Act) Inventory

15.2. International regulations

CANADA

Hydrogen Peroxide (7722-84-1)

Listed on the Canadian DSL (Domestic Substances List) inventory.

No additional information available

15.2.2. National regulations

Hydrogen Peroxide (7722-84-1)

Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.
Listed on European Inventory of Existing Commercial Chemical Substances (EINECS)
Listed on Inventory of Existing Chemical Substances (IECSC)
Listed on the AICS (the Australian Inventory of Chemical Substances)
Listed on the Korean ECL (Existing Chemical List) inventory.
Listed on the Philippines CCS (Chemicals & Chemical Substances) inventory.

No additional information available

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SECTION 16: Other information

Indication of changes	: Revision 1.0 – 29 April 2025 – New SDS Created
Other information	: Author. KAD

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