

SAFETY DATA SHEET

Section 1 - Chemical Product and Company Information

Product Name: B-Hydrogen Peroxide 7% SDS: 7177

COMPANY IDENTITY: Webb Chemical Service Corp.

COMPANY ADDRESS: 2708 Jarman Street

COMPANY CITY: Muskegon Hts., MI 49444

COMPANY PHONE: 1-231-733-2181

EMERGENCY PHONE: CHEMTREC: 1-800-424-9300 (USA)

Product Use: Industrial Use

Section 2 - Hazards Identification

GHS Ratings:

Skin corrosive	2	Reversible adverse effects in dermal tissue, Draize score: >= 2.3 < 4.0 or persistent inflammation
Eye corrosive	2A	Eye irritant: Subcategory 2A, Reversible in 21 days

GHS Hazards

H303	May be harmful if swallowed
H315	Causes skin irritation
H319	Causes serious eye irritation

GHS Precautions

P264	Wash face, hands and any exposed skin thoroughly after handling
P280	Wear protective gloves/protective clothing/eye protection/face protection
P362	Take off contaminated clothing and wash before reuse
P302+P352	IF ON SKIN: Wash with soap and water
P305+P351+P338	IF IN EYES: Rinse continuously 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
P337+P313	If eye irritation persists, get medical advice/attention

Signal Word: Warning



Section 3 - Composition/Information on Ingredients

Chemical Name	CAS number	Weight Concentration %
Water	7732-18-5	93%
Hydrogen peroxide	7722-84-1	7%

Section 4 - First Aid Measures

Inhalation

If symptoms are experienced, remove victim to fresh air. Give artificial respiration only if breathing has stopped. If breathing is difficult, give oxygen. Seek medical attention.

Skin Contact / Absorption Remove contaminated clothing. Rinse skin with lukewarm, gently flowing water for minutes. If irritation persists, repeat flushing. Seek medical attention. Completely decontaminate clothing, shoes and leather goods at the scene for safe disposal.

Eye Contact Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for at least 30 minutes, while forcibly holding the eyelid(s) open to ensure complete irrigation of the eye tissue. If a contact lens is present, remove only if easy to do so. If irritation persists, seek medical attention.

Ingestion Have victim rinse mouth thoroughly with water. If vomiting occurs naturally, have victim rinse mouth with water again. If irritation or discomfort occur, seek medical attention.

Additional Information Consult a doctor and/or the nearest Poison Control Centre for all exposures.

Section 5 - Fire Fighting Measures

Suitable Extinguishing Media Use extinguishing media suitable for surrounding fire.

Unsuitable Extinguishing Media Not Available

Specific Hazards Arising From the Chemical

Contents may explode in fire. Flammable Hydrogen gas may be formed in fire.

Special Protective Equipment for Fire-Fighters

Wear NIOSH-approved self-contained breathing apparatus and protective clothing.

Further Information Dilute solutions are non-hazardous. In a fire situation, water may boil off resulting in a more concentrated solution, which may become combustible.

Section 6 - Accidental Release Measures

Personal Precautions / Protective Equipment / Emergency

Procedures

Wear appropriate personal protective equipment. Ventilate area. Only enter area with PPE. Stop or reduce leak if safe to do so.

Environmental Precautions

Prevent material from entering sewers or confined spaces. **Methods and Materials for**

Containment and Cleaning Up

SMALL SPILLS: Clean up spill with non-reactive absorbent and place in suitable, covered, labelled containers. Flush area with water.

LARGE SPILLS: Contact fire and emergency services and supplier for advice.

Section 7 - Handling and Storage

Precautions for Safe Handling Use proper equipment for lifting and transporting all containers. Use sensible industrial

hygiene and housekeeping practices. Wash thoroughly after handling. Avoid all situations that could lead to harmful exposure.

Conditions for Safe Storage Store in a cool, dry, well-ventilated area, out of direct sunlight and away from heat and ignition sources. Keep storage area clear of burnable materials. Store away from incompatible materials.

Section 8 - Exposure Controls / Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Water 7732-18-5	Not Established	Not Established	Not Established
Hydrogen peroxide 7722-84-1	1 ppm TWA; 1.4 mg/m ³ TWA	1 ppm TWA	NIOSH: 1 ppm TWA; 1.4 mg/m ³ TWA

Engineering Control(s)

Engineering Controls: Use only outdoors or in a well-ventilated area. No specific controls are needed. Normal room ventilation is adequate. Respiratory Protection: Normal room ventilation is adequate.

Protective Equipment

Eyes/Face Chemical safety goggles. A face shield may also be necessary. Contact lenses should not be worn; they may contribute to severe eye injury.

Hand Protection Impervious gloves of chemically resistant material (rubber or PVC) should be worn at all times. Wash contaminated clothing and dry thoroughly before reuse.

Skin and Body Protection Body suite, aprons, and/or coveralls of chemical resistant material should be worn at all times. Wash contaminated clothing and dry thoroughly before reuse.

Impervious boots of chemically resistant material should be worn at all times. No special footwear is required other than what is mandated at place of work.

Respiratory Protection NIOSH recommendations for concentrations in air:

Up to 50 ppm:

(APF=25) Any supplied-air respirator operated in a continuous-flow mode, OR any powered, air-purifying respirator with organic vapour cartridge(s), OR

(APF=50) Any chemical cartridge respirator with a full facepiece and organic vapour cartridge(s), OR any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back- mounted organic vapour canister, OR any self-contained breathing apparatus with a full facepiece, OR any supplied-air respirator with a full facepiece.

Emergency or planned entry into unknown concentrations or IDLH conditions:

(APF=10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode, OR any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus.

Escape:

(APF=50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back- mounted organic vapour canister, OR any appropriate escape-type, self-contained breathing apparatus.

Section 9 - Physical and Chemical Properties

This mixture typically exhibits the following properties under normal circumstances:

Appearance:	Liquid Clear
Odor:	ND
Vapor Pressure:	ND
Odor threshold:	N/A
Vapor Density:	N/A
pH	N/A
Specific Gravity:	1.02
Melting point:	N/A
Freezing point:	<32°F
Solubility:	Complete in Water
Boiling range:	>212°F
Flash point:	ND
Evaporation rate:	Unknown
Flammability	Not Available
Explosive Limits:	ND
Partition coefficient (n-octanol/water):	Unknown
Autoignition temperature:	ND
Decomposition temperature:	Unknown
Grams VOC/liter less water	ND

Section 10 - Stability and Reactivity

Reactivity Not Available

Stability Normally stable.

Possibility of Hazardous Reactions

None known.

Conditions to Avoid and Incompatible Materials

Alkalies, Ammonia and their Carbonates, Albumin, Phenol, Charcoal, Chlorides, Alkali Citrates, Ferrous, Mercurous or Gold salts, Hypophosphites, Iodides, Lime water, Permanganates, Sulfites, Tinctures and organic matter in general..

Hazardous Decomposition Products

Will not occur.

Section 11 - Toxicological Information

Mixture Toxicity

Inhalation Toxicity LC50: 29mg/L

Component Toxicity

7722-84-1 Hydrogen peroxide
Oral LD50: 1,518 mg/kg (Rat) Dermal LD50: 4,060 mg/kg (Rat) Inhalation LC50: 2 g/m3 (Rat)

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
None			N/A

Acute Toxicity

Component Oral LD₅₀ Dermal LD₅₀ LC₅₀

No LD50 information available for this product, however, 8-20% (w/w) Hydrogen Peroxide LD50, Oral, Rat is 1518 mg/kg with behavioral effects noted.

Chronic Toxicity - Carcinogenicity

Component IARC

Acetic Acid Not listed to be carcinogenic as per IARC and ACGIH.

Skin Corrosion/Irritation Mild skin irritant.

Ingestion Mildly irritating to the mouth, throat and gastrointestinal tract.

Inhalation May cause irritation of the nose and throat, shortness of breath, cough, wheezing, and reversible lung injury.

Serious Eye Damage/Irritation Can cause severe eye irritation.

Respiratory or Skin Sensitization Not applicable.

Germ Cell Mutagenicity Not applicable.

Reproductive Toxicity

Suspected of damaging fertility or the unborn child. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves and eye protection. IF exposed or concerned: Get medical attention. Store locked up. Dispose of contents in accordance with local, state, federal and international regulations.

Aspiration Hazard Not Available**Specific Target Organ Toxicity from Single Exposure:**

Causes damage to organs. Do not breathe dust, fumes or mist. Wash arms, hands and face thoroughly after handling. Do not eat, drink or smoke when using this product. IF exposed: Call a POISON CENTER or physician. Specific treatment (Wash areas of contact with water immediately). Store locked up. Dispose of contents in accordance with local, state, federal and international regulations.

Specific Target Organ Toxicity from Repeated Exposure:

Causes damage to organs through prolonged or repeated exposure. Do not breathe dust, fumes or mist. Wash arms, hands and face thoroughly after handling. Do not eat, drink or smoke when using this product. Get medical attention if you feel unwell. Dispose of contents in accordance with local, state, federal and international regulations.

Section 12 - Ecological Information

Ecotoxicity

Toxic to aquatic life. Avoid release to the environment. Dispose of contents in accordance with local, state, federal and international regulations.

Biodegradability: Data not available

Bioaccumulation: Data not available

Mobility: Data not available

Other Adverse Effects: Data not available

Component Ecotoxicity

Hydrogen peroxide 96 Hr LC50 Pimephales promelas: 16.4 mg/L; 96 Hr LC50 Lepomis macrochirus: 18 - 56 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 10.0 - 32.0 mg/L [static]
48 Hr EC50 Daphnia magna: 18 - 32 mg/L [Static]

Section 13 - Disposal Considerations

As the US EPA, state, regional, and other regulatory agencies may have jurisdiction over the disposal of your facility's hazardous waste, it is incumbent upon you, the hazardous waste generator, to learn of and satisfy all the requirements which affect you. Dispose of the hazardous waste at a properly licensed and permitted disposal site or facility. Ensure conformity to all applicable hazardous waste disposal regulations.

The US EPA Hazardous Waste Numbers which follow are applicable to this unadulterated product if the product enters the "waste stream." Refer to Title 40 of the Code of Federal Regulations, Part 261 (40 CFR 261). This part of the Code identifies solid wastes which are subject to regulation under various sections of the Code and which are subject to the notification requirements of Section 3010 of the Resource Conservation and Recovery Act (RCRA).

Section 14 - Transport Information

This material is classified for transport as follows:

Not classified as a dangerous good under transport regulations

Agency Proper Shipping Name

UN Number Packing Group Hazard Class

Section 15 - Regulatory Information

Additional regulatory listings, where applicable.

Toxic Substances Control Act (TSCA): All chemicals except those listed below appear in the Toxic Substances Control Act Chemical Substance Inventory:

- None

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act, and Title 40 of the Code of Federal Regulations, part 372.

7722-84-1 Hydrogen peroxide 7%

Section 16 - Other Information

This Safety Data Sheet conforms to ANSI Z400.5, and to the format requirements and the International Chemical Safety Cards of the Global Harmonizing System. THIS SDS COMPLIES WITH 29 CFR 1910.1200 (HAZARD COMMUNICATION STANDARD) IMPORTANT: Read this SDS before handling & disposing of this product. Pass this information on to employees, customers, & users of this product.

EMPLOYEE TRAINING: Employees should be made aware of all hazards of this material (as stated in this SDS) before handling it.

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Reviewer Revision

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