

# Safety Data Sheet

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** Hydrogen Peroxide 30%  
**Synonyms** No information available  
**UN/ID No.** UN2014  
**Item #** 12387  
**Revision Date** May-20-2020  
**Safety Data Sheet** 1951  
**Recommended Use** Reserved for industrial and professional use  
**Uses advised against** Consumer uses: Private households (= general public = consumers).

CONTROLLED DOCUMENT  
IF STAMPED IN RED

**Company Name**  
PVS-Nolwood Chemicals, Inc  
10900 Harper Ave.  
Detroit, MI 48213  
(800) 284-9735  
**24 Hour Emergency Phone Number** CHEMTREC 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

### Classification

Acute toxicity - Oral	Category 4
Skin corrosion/irritation	Category 1 Sub-category A
Serious eye damage/eye irritation	Category 1
Oxidizing liquids	Category 3

### Emergency Overview

#### DANGER

##### Hazard statements

Harmful if swallowed  
Causes severe skin burns and eye damage  
May intensify fire; oxidizer

##### Physical hazards



### Precautionary statements

#### Prevention

- Wash face, hands and any exposed skin thoroughly after handling
- Do not eat, drink or smoke when using this product
- Do not breathe dust/fume/gas/mist/vapors/spray
- Wear protective gloves/protective clothing/eye protection/face protection
- Keep away from heat/sparks/open flames/hot surfaces. — No smoking
- Keep/Store away from clothing/ .? /combustible materials
- Take any precaution to avoid mixing with combustibles - .?

#### Response

- Immediately call a POISON CENTER or doctor/physician
- Specific treatment (see section 4 on this Safety Data Sheet)

Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing Immediately call a POISON CENTER or doctor/physician

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Skin

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower Wash contaminated clothing before reuse

Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing Immediately call a POISON CENTER or doctor/physician

Ingestion

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell Rinse mouth Do NOT induce vomiting

Fire

In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction

### Storage

- Store locked up

### Disposal

- Dispose of contents/container to an approved waste disposal plant

### Other Information

#### Other hazards

- Toxic to aquatic life with long lasting effects
- Harmful to aquatic life

Unknown Acute Toxicity

0% of the mixture consists of ingredient(s) of unknown toxicity

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	EC No.	Weight-% *
Hydrogen peroxide	7722-84-1	231-765-0	30.15

## 4. FIRST AID MEASURES

#### General advice

- Call 911 or emergency medical service
- Remove and isolate contaminated clothing and shoes

#### Eye contact

- In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes

#### Skin contact

- Consult a physician if necessary
- Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes
- Immediate medical attention is not required
- If skin irritation persists, call a physician

#### Inhalation

- Move victim to fresh air
- If breathing is irregular or stopped, administer artificial respiration
- Administer oxygen if breathing is difficult

#### Ingestion

- Do NOT induce vomiting
- Rinse mouth
- Drink plenty of water
- If symptoms persist, call a physician
- Clean mouth with water and drink afterwards plenty of water
- Never give anything by mouth to an unconscious person
- Call a physician

#### Note to physician

- Keep victim warm and quiet

#### Self-protection for first aid personnel

- Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves

## 5. FIRE-FIGHTING MEASURES

#### Suitable extinguishing media

- Use water. Do not use dry chemicals or foams. CO<sub>2</sub> or Halon may provide limited control

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- Flood fire area with water from a distance
- Move containers from fire area if you can do it without risk
- Cool containers with flooding quantities of water until well after fire is out

### Unsuitable extinguishing media

- No information available

### Specific hazards arising from the chemical

- These substances will accelerate burning when involved in a fire
- Some may decompose explosively when heated or involved in a fire
- May ignite combustibles (wood, paper, oil, clothing, etc.)
- Runoff may create fire or explosion hazard

### Protective equipment and precautions for firefighters

- Do not move cargo or vehicle if cargo has been exposed to heat
- Fight fire from maximum distance or use unmanned hose holders or monitor nozzles
- ALWAYS stay away from tanks engulfed in fire
- For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible withdraw from area and let fire burn

### Flammable properties

- May explode from heat or contamination
- Some will react explosively with hydrocarbons (fuels)
- Containers may explode when heated

### Explosive properties

- No information available

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions

- Do not touch damaged containers or spilled material unless wearing appropriate protective clothing
- Stop leak if you can do it without risk

### Environmental precautions

- For small spills, absorb material with clay absorbent or other compatible material. Dispose of the waste material according to local, state and governmental requirements.
- For large spills, contain the material using barriers of absorbent pigs, clay absorbent or earth dams.

### Methods for cleaning up

- With clean shovel place material into clean, dry container and cover loosely; move containers from spill area
- Use a non-combustible material like vermiculite or sand to soak up the product and place into a container for later disposal
- Dike far ahead of liquid spill for later disposal
- Following product recovery, flush area with water

### Other Information

- Keep combustibles (wood, paper, oil, etc) away from spilled material
- Do not get water inside containers or in contact with substance

## 7. HANDLING AND STORAGE

### Advice on safe handling

- Avoid contact with skin, eyes or clothing
- Use personal protective equipment as required
- Wash contaminated clothing before reuse
- Do not breathe dust/fume/gas/mist/vapors/spray
- Do not eat, drink or smoke when using this product
- Use with local exhaust ventilation

### Storage Conditions

- Keep container tightly closed in a dry and well-ventilated place
- Keep out of the reach of children
- Keep containers tightly closed in a cool, well-ventilated place
- Keep in properly labeled containers

### Incompatible materials

Acids, Bases, Reducing agents, Metals

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Hydrogen peroxide	TWA: 1 ppm	TWA: 1 ppm	IDLH: 75 ppm

**Hydrogen Peroxide 30%**

7722-84-1		TWA: 1.4 mg/m <sup>3</sup>	TWA: 1 ppm TWA: 1.4 mg/m <sup>3</sup>
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**Exposure Guidelines**

**Engineering Controls** Ensure adequate ventilation, especially in confined areas.

**Individual protection measures, such as personal protective equipment**

<b>Respiratory protection</b>	<ul style="list-style-type: none"> <li>• A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant the use of a respirator.</li> </ul>
<b>Eye/Face protection</b>	<ul style="list-style-type: none"> <li>• Tight sealing safety goggles</li> <li>• Face protection shield</li> </ul>
<b>Skin and body protection</b>	<ul style="list-style-type: none"> <li>• Wear suitable protective clothing</li> <li>• Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact</li> </ul>
<b>General Hygiene Considerations</b>	<ul style="list-style-type: none"> <li>• When using do not eat, drink or smoke</li> <li>• Regular cleaning of equipment, work area and clothing is recommended</li> </ul>

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

<b>Physical state</b>	Liquid
<b>Appearance</b>	clear
<b>Color</b>	colorless
<b>Odor</b>	acrid
<b>Odor threshold</b>	No information available

<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>
<b>pH</b>	2-4	
<b>Melting point/Freezing Point</b>	-26 °C / -15 °F	
<b>Boiling point / boiling range</b>	106 °C / 223 °F	
<b>Flash point</b>	No information available	
<b>Evaporation rate</b>	.36	Butyl acetates =1
<b>Flammability (solid, gas)</b>	No information available	
<b>Flammability Limit in Air</b>		
Upper flammability limit (%)	No information available	
Lower flammability limit (%):	No information available	
<b>Vapor pressure</b>	24 mm Hg	@20 °C
<b>Vapor density</b>	No information available	
<b>Specific Gravity</b>	1.11	
<b>Water solubility</b>	Miscible in water	
<b>Solubility in other solvents</b>	No information available	
<b>Partition coefficient</b>	No information available	
<b>Autoignition temperature</b>	No information available	
<b>Decomposition temperature</b>	No information available	
<b>Kinematic viscosity</b>	No information available	
<b>Dynamic viscosity</b>	No information available	
<b>Explosive properties</b>	No information available	
<b>Oxidizing properties</b>	These substances will accelerate burning when involved in a fire	

**Other Information**

<b>Softening point °C</b>	No information available
<b>Molecular weight</b>	No information available
<b>VOC Content (%)</b>	No information available
<b>Density</b>	No information available
<b>Bulk density</b>	9.2574 Pounds per gallon (lb/gal)

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### 10. STABILITY AND REACTIVITY

<b>Stability</b>	• Stable under recommended storage conditions
<b>Conditions to avoid</b>	• Elevated temperature
<b>Incompatible materials</b>	Acids, Bases, Reducing agents, Metals
<b>Hazardous Decomposition Products</b>	• Oxygen
<b>Possibility of Hazardous Reactions</b>	• None under normal processing and storage

### 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

<b>Principle Routes of Exposure</b>	Inhalation, Skin contact, Eye contact
<b>Inhalation</b>	May cause irritation of respiratory tract. Avoid breathing vapors or mists.
<b>Ingestion</b>	Ingestion causes burns of the upper digestive and respiratory tracts. Esophagitis. Gastritis.
<b>Skin contact</b>	Contact causes severe skin irritation and possible burns.
<b>Eye contact</b>	Contact with eyes may cause irritation.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Hydrogen peroxide 7722-84-1	= 1518 mg/kg ( Rat )	= 9200 mg/kg ( Rabbit )	= 2000 mg/m <sup>3</sup> ( Rat ) 4 h

#### Information on toxicological effects

<b>Symptoms</b>	No information available
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#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Sensitization</b>	No information available.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Hydrogen peroxide 7722-84-1	A3	Group 3		

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Not classifiable as a human carcinogen

<b>Reproductive toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Chronic toxicity</b>	Avoid repeated exposure.
<b>Target Organ Effects</b>	Eyes, Respiratory system, Skin.
<b>Aspiration hazard</b>	No information available.

#### Numerical measures of toxicity - Product Information

<b>Unknown Acute Toxicity</b>	0% of the mixture consists of ingredient(s) of unknown toxicity
<b>The following values are calculated based on chapter 3.1 of the GHS document .</b>	
Oral LD50	5035 mg/kg
Dermal LD50	30514 mg/kg
LC50 (Dust/Mist)	7 mg/l

### 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

<b>Ecotoxicity</b>	Toxic to aquatic life with long lasting effects
<b>0% of the mixture consists of components(s) of unknown hazards to the aquatic environment</b>	

**Hydrogen Peroxide 30%**

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Hydrogen peroxide 7722-84-1	2.5: 72 h Chlorella vulgaris mg/L EC50	10.0 - 32.0: 96 h Oncorhynchus mykiss mg/L LC50 static 18 - 56: 96 h Lepomis macrochirus mg/L LC50 static 16.4: 96 h Pimephales promelas mg/L LC50	18 - 32: 48 h Daphnia magna mg/L EC50 Static 7.7: 24 h Daphnia magna mg/L EC50

**Persistence and degradability** No information available

**Bioaccumulation** No information available

**Other adverse effects** No information available

### 13. DISPOSAL CONSIDERATIONS

**Disposal of wastes** • This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261)

**Contaminated packaging** • Do not reuse container

**US EPA Waste Number** • D001

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste Status
Hydrogen peroxide 7722-84-1	Toxic Corrosive Ignitable Reactive

### 14. TRANSPORT INFORMATION

**DOT**

**Proper shipping name** HYDROGEN PEROXIDE, AQUEOUS SOLUTIONS

**Hazard Class** 5.1

**UN/ID No.** UN2014

**Packing Group** II

**RQ as is (lbs)(wet)** 3333

**Technical Name Description** WITH NOT LESS THAN 20% BUT NOT MORE THAN 40% HYDROGEN PEROXIDE

**Description** UN2014, Hydrogen peroxide, aqueous solutions, 5.1 (8), II

**Subsidiary class** 8

**Special Provisions** 12, A60, B53, B80, B81, B85, IB2, IP5, T7, TP2, TP6, TP24, TP37

**Emergency Response Guide Number** 140

**Transport Canada**

**UN/ID No.** UN2014

**Proper shipping name** HYDROGEN PEROXIDE, AQUEOUS SOLUTION

**Hazard Class** 5.1

**Subsidiary class** 8

**Packing Group** II

**Description** UN2014, Hydrogen peroxide, aqueous solution, 5.1 (8), II

**IATA**

**UN/ID No.** UN2014

**Proper shipping name** HYDROGEN PEROXIDE, AQUEOUS SOLUTION

**Hazard Class** 5.1

**Subsidiary hazard class** 8

**Packing Group** II

**ERG Code** 5C

**IMDG**

**UN/ID No.** UN2014

**Proper shipping name** HYDROGEN PEROXIDE, AQUEOUS SOLUTION

**Hazard Class** 5.1

**Subsidiary hazard class** 8

**Packing Group** II

**Hydrogen Peroxide 30%**

EmS-No.

F-H, S-Q

**15. REGULATORY INFORMATION****US Federal Regulations****SARA 311/312 Hazard Categories**

Acute health hazard	Yes
Chronic Health Hazard	No
Fire hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	No

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**U.S. - TSCA (Toxic Substances Control Act) - Section 5(a)(2) - Chemicals with Significant New Use Rules (SNURs)****CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	RQ (lbs)(dry)
Hydrogen peroxide 7722-84-1		1000 lb	

**Canada****WHMIS Classification**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR  
D2A - Very toxic materials

**WHMIS Classification**

D2B - Toxic materials

**US State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Water 7732-18-5			X
Hydrogen peroxide 7722-84-1	X	X	X

**International Inventories**

TSCA	Complies
DSL/NDL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

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### Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

## 16. OTHER INFORMATION

<b>NFPA</b>	<b>Health hazards</b> 3	<b>Flammability</b> 0	<b>Instability</b> 1	<b>Physical and Chemical Properties</b>
<b>HMIS</b>	<b>Health hazards</b> * 3	<b>Flammability</b> 0	<b>Physical hazards</b> 1	<b>Personal protection</b> D

**Item #** 12387  
**Safety Data Sheet** 1951  
**Revision Date** May-20-2020  
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**Version** 4  
**Revision Note** \*\*\* Updated value on SDS.

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**End of Safety Data Sheet**