

Safety Data Sheet

CONTROLLED DOCUMENT
IF STAMPED IN RED

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).

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



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 CO₂, 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. CO₂ or Halon may provide limited control

Hydrogen Peroxide 30%

- 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 ³	TWA: 1 ppm TWA: 1.4 mg/m ³
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Exposure Guidelines

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Respiratory protection • 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.

Eye/Face protection • Tight sealing safety goggles
• Face protection shield

Skin and body protection • Wear suitable protective clothing
• Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact

General Hygiene Considerations • When using do not eat, drink or smoke
• Regular cleaning of equipment, work area and clothing is recommended

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

Physical state Liquid
Appearance clear
Color colorless
Odor acrid
Odor threshold No information available

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

Other Information

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

Hydrogen Peroxide 30%

10. STABILITY AND REACTIVITY

Stability • Stable under recommended storage conditions

Conditions to avoid • Elevated temperature

Incompatible materials Acids, Bases, Reducing agents, Metals

Hazardous Decomposition Products • Oxygen

Possibility of Hazardous Reactions • None under normal processing and storage

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Principle Routes of Exposure	Inhalation, Skin contact, Eye contact
Inhalation	May cause irritation of respiratory tract. Avoid breathing vapors or mists.
Ingestion	Ingestion causes burns of the upper digestive and respiratory tracts. Esophagitis. Gastritis.
Skin contact	Contact causes severe skin irritation and possible burns.
Eye contact	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 ³ (Rat) 4 h

Information on toxicological effects

Symptoms	No information available
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Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	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

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

Numerical measures of toxicity - Product Information

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

The following values are calculated based on chapter 3.1 of the GHS document .

Oral LD50	5035 mg/kg
Dermal LD50	30514 mg/kg
LC50 (Dust/Mist)	7 mg/l

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity Toxic to aquatic life with long lasting effects

0% of the mixture consists of components(s) of unknown hazards to the aquatic environment

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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

13. DISPOSAL CONSIDERATIONS

Disposal of wastes

- This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261)

Contaminated packaging

US EPA Waste Number

- Do not reuse container

- 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



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/NDSL	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

NFPA	Health hazards	3	Flammability	0	Instability	1	Physical and Chemical Properties
HMIS	Health hazards	* 3	Flammability	0	Physical hazards	1	Personal protection

Item # 12387

Safety Data Sheet 1951

Revision Date May-20-2020

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Version 4

Revision Note *** Updated value on SDS.

Disclaimer

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End of Safety Data Sheet