

Safety Data Sheet

Issue Date: 03-JUNE-2022

Revision Date:

Version 1

1. IDENTIFICATION

Product identifier

Product Name PEROX35

Other means of identification

SDS # POX06032022

UN/ID No UN2014

Recommended use of the chemical and restrictions on use

Recommended Use Cleaner & Stain Remover.

Details of the supplier of the safety data sheet

Manufacturer Address

Greenflow Distribution Inc.
1056 Hunley Sullivans Rd
Awendaw, SC 29429

Emergency telephone number

Company Phone Number (866)-308-2734
Emergency Telephone INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance: Clear colorless liquid

Physical state: Liquid

Odor: Mild

Classification

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1
Oxidizing liquids	Category 2
Acute oral	Category 4
Specific target organ toxicity – single exposure	Category 3 (Respiratory system)

Signal Word

Danger

Hazard statements

H318 Causes serious eye damage
H315 Causes skin irritation
H272 May intensify fire, oxidizer
H302 Harmful if swallowed
H335 May cause respiratory irritation



Precautionary Statements - Prevention

P264 Wash face, hands and any exposed skin thoroughly after handling
 P280 Wear protective gloves/protective clothing/eye protection/face protection
 P210 Keep away from heat
 P220 Keep/Store away from clothing/ combustible materials
 P221 Take any precaution to avoid mixing with combustibles
 P270 Do not eat, drink, or smoke when using this product
 P271 Use outdoors or in well ventilated area

Precautionary Statements - Response

P305 + P312 + P330 If swallowed Immediately call a POISON CENTER or doctor if you feel unwell. Rinse mouth.
 P305 + p351 + p338 + p310 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
 P302 + P352 IF ON SKIN: Wash with plenty of water and soap
 If skin irritation occurs: Get medical advice/attention
 P362 Take off contaminated clothing and wash it before reuse
 P301 + P312 + P330 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
 PP370 + P378 In case of fire: Use CO2, dry chemical, or foam for extinction

Precautionary Statements - Disposal

P501 Dispose of contents/container to an approved waste disposal plant
 P405 Store locked up
 P403 + P233 Store in well ventilated place. Keep container tightly closed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%
Hydrogen Peroxide	7722-84-1	35%

**If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret. **

4. FIRST AID MEASURES

Description of first aid measures

General Advice	Provide this SDS to medical personnel for treatment.
Eye Contact	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.
Skin Contact	Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention if irritation develops or persists.
Ingestion	Rinse mouth. Do NOT induce vomiting. If vomiting occurs, keep head low so that stomach content does not get into the lungs. Get medical advice/attention if you feel unwell.

Most important symptoms and effects, both acute and delayed

Symptoms	Causes serious eye damage. Causes skin irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Prolonged exposure may cause chronic effects.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Water spray (fog). Dry chemical. Carbon dioxide (CO₂).

Unsuitable Extinguishing Media Do not use water jet as an extinguisher, as this will spread the fire.

Specific Hazards Arising from the Chemical

May intensify fire; oxidizer. Greatly increases the burning rate of combustible materials. Containers may explode when heated. During fire, gases hazardous to health may be formed.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Personal Precautions	Use personal protection recommended in Section 8. Keep unprotected persons away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources. Do not breathe vapor or mist. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.
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Environmental precautions

Environmental precautions	Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.
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Methods and material for containment and cleaning up

Methods for Containment	Large spills: Stop the flow of materials, if this is without risk. Use water spray to reduce vapors or divert vapor cloud drift. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.
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Small spills: Absorb with earth, sand or other non-combustible materials and transfer to container for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use.

Methods for Clean-Up	Dilute with a large volume of water and hold in a pond or diked area until hydrogen peroxide decomposes. Dispose of contents/container to an approved waste disposal plant. For waste disposal, see section 13 of the SDS.
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7. HANDLING AND STORAGE**Precautions for safe handling**

Advice on Safe Handling	Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/eye protection/face protection. Keep away from heat. Keep/store away from clothing and other combustible materials. Take any precaution to avoid mixing with combustibles. Ensure adequate ventilation, especially in confined areas. Avoid prolonged exposure. Do not eat, drink or
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smoke when using this product.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep away from heat. Keep container tightly closed and store in a cool, dry and well-ventilated place. Do not store near combustible materials. Store away from incompatible materials. Protect from sunlight. Store locked up.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Hydrogen Peroxide 7722-84-1	TWA: 1 ppm	TWA: 1 ppm TWA: 1.4 mg/m ³ (vacated) TWA: 1 ppm (vacated) TWA: 1.4 mg/m ³	IDLH: 75 ppm TWA: 1 ppm TWA: 1.4 mg/m ³

Appropriate engineering controls

Engineering Controls

Apply technical measures to comply with the occupational exposure limits. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station.

Individual protection measures, such as personal protective equipment

Eye/Face Protection

Chemical respirator with organic vapor cartridge and full-face piece. Use standard chemical splash-type mono goggles or face shield with safety glasses if splashing is expected during handling of product.

Skin and Body Protection

Rubber or neoprene footwear. Impervious clothing or apron materials such as rubber, neoprene, nitrile or polyvinyl chloride. Wear liquid proof rubber or neoprene gloves. Thoroughly rinse the outside of gloves with water prior.

Respiratory Protection

Chemical respirator with organic vapor cartridge and full face piece.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash face, hands and any exposed skin thoroughly after handling. Keep from contact with clothing and other combustible materials. Wash contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid	Odor	Mild
Appearance	Clear colorless liquid	Odor Threshold	Not determined
Color	Colorless		
<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>	
pH	3.7		
Melting point / freezing point	-0.43 °C / 31.23 °F		
Boiling point / boiling range	110.4 °C / 230.72 °F		
Flash point	Not determined		
Evaporation Rate	>1	(Butyl Acetate=1)	
Flammability (Solid, Gas)	Liquid - Not Applicable		

Flammability Limit in Air

Upper flammability or explosive limits	Not determined	
Lower flammability or explosive limits	Not determined	
Vapor Pressure	0.53 hPa estimated	@30°C (86°F)
Vapor Density	Not determined	
Relative Density	1.13	(Water=1) (20°C/68°F)
Water Solubility	Not determined	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Autoignition temperature	Not determined	
Decomposition temperature	Not determined	
Kinematic viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	

10. STABILITY AND REACTIVITY

Reactivity

Greatly increases the burning rate of combustible materials.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Hazardous Polymerization Hazardous polymerization does not occur.

Conditions to Avoid

Excessive heat. Contamination of any kind. Contact with incompatible materials.

Incompatible materials

Oxidizing agents. Reducing agents. Caustics. Heavy metals. Bases. Copper.

Hazardous decomposition products

Oxygen.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure**Product Information**

Eye Contact Causes serious eye damage.

Skin Contact Causes skin irritation.

Inhalation Vapors, mists, or aerosols of hydrogen peroxide can cause upper airway irritation, inflammation of the nose, hoarseness, shortness of breath, and a sensation of burning or tightness in the chest. Prolonged exposure to concentrated vapor or to dilute solutions can cause irritation and temporary bleaching of skin and hair. Exposure to vapor, mist, or aerosol can cause stinging pain and tearing of eyes.

Ingestion Do not ingest.

Component Information

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)

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity Group 3 IARC components are "not classifiable as human carcinogens".

Chemical name	ACGIH	IARC	NTP	OSHA
Hydrogen Peroxide 7722-84-1	A3	Group 3		

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 3 - Not Classifiable as to Carcinogenicity in Humans

Numerical measures of toxicity

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

Oral LD50 1250 mg/kg
Dermal LD50 52,402.10 mg/kg
ATE mix (inhalation-dust/mist) 27.5 mg/l
 Exposure time 4 h
 Test atmosphere: Vapor

12. ECOLOGICAL INFORMATION

Ecotoxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Component Information

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

Persistence/Degradability

Not determined.

Bioaccumulation

There is no data for this product.

Mobility

Chemical name	Partition coefficient

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS**Waste Treatment Methods**

Disposal of Wastes	Disposal should be in accordance with applicable regional, national and local laws and regulations. Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
Contaminated Packaging	Disposal should be in accordance with applicable regional, national and local laws and regulations.

California Hazardous Waste Status

Chemical name	California Hazardous Waste Status
Hydrogen Peroxide 7722-84-1	Toxic Corrosive Ignitable Reactive

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

UN/ID No	UN2014
Proper Shipping Name	Hydrogen peroxide, aqueous solutions
Hazard class	5.1 (8)
Packing Group	II

IATA

UN number	UN2014
Proper Shipping Name	Hydrogen peroxide, aqueous solutions
Transport hazard class(es)	5.1 (8)
Packing Group	II

IMDG

UN number	UN2014
Proper Shipping Name	Hydrogen peroxide, aqueous solutions
Transport hazard class(es)	5.1 (8)
Packing Group	II

15. REGULATORY INFORMATION**International Inventories**

Chemical name	TSCA	DSL/NDSL	EINECS/E LINCS	ENCS	IECSC	KECL	PICCS	AICS
Hydrogen Peroxide	X	X	X	X	X	X	X	X

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

US Federal Regulations

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	Reportable Quantity (RQ)
Hydrogen Peroxide 7722-84-1		1000 lb	

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	Yes
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

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Hydrogen Peroxide 7722-84-1	1000 lb.			X

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
Hydrogen Peroxide 7722-84-1	X	X	X

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards 3	Flammability 0	Instability 0	Special Hazards OX
<u>HMIS</u>	Health Hazards 3	Flammability 0	Physical hazards 0	Personal Protection Not determined

Issue Date: 03-June-2022
Revision Date:
Revision Note: New format

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet