

SAFETY DATA SHEET

Issuing Date: February 1, 2016

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Revision Number: 2

1. IDENTIFICATION OF THE SUBSTANCE/COMPANY INFORMATION

Product Identifier

Product Name: Hydrogen Peroxide 3%

Other means of identification

Synonyms: N/A

Recommended use of chemical and restrictions on use

Recommended Use: N/A

Uses advised against

Details of supplier of the Safety Data Sheet

Distributor

Delon Laboratories (1990) Inc.
Pointe-Claire, QC, Canada, H9R1E2

Emergency Telephone Number

Company Emergency Number 514-685-9966

24 Hour Number: 613-996-6666 (CANUTEC)

2. HAZARDS IDENTIFICATION

Classification

Oral: Acute Toxicity, Category 4
Skin Corrosion, Category 2
Serious Eye Damage, Category 1

Label Elements



Signal word Danger

Hazard Statements

Harmful if swallowed.
Causes severe skin burns and eye damage.
Causes serious eye damage.

Precautionary Statements – Prevention

If medical advice is needed, have the product container or label at hand.
Keep out of reach of children.
Read label before use.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Keep/Store away from clothing and other combustible materials.
Take any precaution to avoid mixing with combustibles.
Do not breathe in dusts or mists.
Wash skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well ventilated area.
Wear protective gloves/ protective clothing, eye protection/ face protection.

Precautionary Statements – Response

Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Skin

IF ON SKIN: Wash with plenty of water, take off immediately all contaminated clothing. Rinse Skin with water [or shower]. Wash contaminated clothing before reuse.

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable and breathing. Immediately call a POISON CENTER/Doctor.

Ingestions

IF SWALLOWED: Call a POISON CENTER/Doctor if you feel unwell. Rinse mouth. Do not induce vomiting.

Fire

N/A

Spill

Wash any contaminated clothing before reuse.

Precautionary Statements – Storage

Keep container tightly closed.
Store locked up.

Precautionary Statements – Disposal

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight - %	Trade Secret
Hydrogen Peroxide	7722-84-1	3.00	

* The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First aid measures

Eye Contact

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

Skin Contact

In case of contact, wash off immediately with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Remove contaminated clothing and shoes. Wash clothing before reuse. Destroy contaminated shoes. Call a physician.

Inhalation

If inhaled, remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion

Rinse mouth. Call a POISON CENTER/Doctor if you feel unwell.

Notes to Physician

Exposure to material may cause delayed lung injury resulting in pulmonary edema and pneumonitis. Exposed individuals should be monitored for 72 hours after exposure for the onset of delayed respiratory symptoms.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water spray, water fog

Unsuitable Extinguishing Media

Do not use CO2 extinguisher on this material. Do not use organic compounds on this material.

Specific Hazards Arising from the Chemical

Strong Oxidizing agent. Dangerous fire and explosion risk when in contact with combustible materials.

Hazardous Combustion Products

Decomposition will release oxygen, which will intensify a fire. Will release Steam.

Protective equipment and precautions for firefighters

In case of major fire and large quantities: Evacuate area. Fight fire remotely due to risk of explosion.

Closed containers of this material may explode when subjected to heat from surrounding fire.

Cool closed containers exposed to fire with water spray.

Firefighting equipment should be thoroughly decontaminated after use.

Avoid breathing fumes from fire exposed material.

Explosion Data

Sensitivity to Mechanical Impact N/A

Sensitivity to Static Discharge N/A

6. ACCIDENTAL RELEASE MEASURES

Protective Equipment

Wear protective gloves/ protective clothing, eye protection/ face protection.

Emergency Procedures

Prevent further leakage or spillage if you can do so without risk. Evacuate area of all unnecessary personnel. Ventilate area. Eliminate all ignition sources. Avoid generation of vapors. Avoid contact with cellulose, paper, sawdust or similar substances. Risk of self-ignition or promotion of fires. Combustible materials exposed to hydrogen peroxide should be rinsed immediately with large amounts of water to ensure that all hydrogen peroxide is removed.

Other Information

N/A

Environmental Precautions

Environmental Precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits.

Methods and material for containment and cleaning up

Methods for Containment and cleaning up

Contain and collect spillage with non-combustible absorbent material such as clean sand, earth, diatomaceous earth or non-acidic clay and place into suitable properly labeled containers for prompt disposal. Small amounts: Flush into sewer with plenty of water. Do not soak up with combustible material (i.e., paper).

7. HANDLING AND STORAGE

Precautions for safe Handling

Handling

Do not get in eyes, on skin, or on clothing.

Wash thoroughly after handling.

Prevent product contamination.

Keep only in the original container.

Store in tightly closed container.

Emptied container retains vapor and product residue.

Observe all labeled safeguards until container is cleaned, reconditioned or destroyed.

Avoid contamination.

Conditions for safe storage, including any incompatibilities

Storage

Store in a tightly closed container. Store in a cool, dry, well ventilated area away from sources of ignition such as flame, sparks and static electricity. Store out of direct sunlight in a cool well-ventilated place. Store in original container. Store away from combustibles and incompatible materials.

Incompatible Products

Store separate from acids, alkali reducing agents, combustibles, metallic oxides, and organic materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Exposure Guidelines

Chemical Name	ACGIH	OSHA	NIOSH
Hydrogen Peroxide	1 ppm	1 ppm	N/A

Other Exposure Guidelines

N/A

Appropriate Engineering Controls

Engineering Measures

Investigate engineering techniques to reduce exposures below airborne exposure limits or to otherwise reduce exposures. Provide ventilation if necessary to minimize exposures or to control exposure levels to below airborne exposure limits.

Individual protection measures, such as personal protective equipment

Eye/Face Protection

Where there is potential for eye contact, wear a face shield, chemical goggles, and have eye flushing equipment immediately available.

Skin and Body Protection

Wear appropriate chemical resistant protective clothing and chemical resistant gloves to prevent skin contact. When handling this material, gloves of the following type(s) should be worn: Neoprene, Polyvinylchloride, Impervious butyl rubber gloves. Wear a face shield, chemical goggles and chemical resistant clothing such as an approved splash protective suit made of SBR Rubber, PVC, Gore-Tex or HAZMAT Splash Protective Suit (Level A,B, or C) when Splashing may occur (such as connecting/disconnecting, mechanical first break). For foot protection wear boots made of NBR, PVC, polyurethane, or neoprene. Overboots made of Latex or PVC, as well as firefighter boots or specialized HAZMAT boots are also permitted. DO NOT wear any form of boot or overboots made of nylon or nylon blends. DO NOT use cotton, wool or leather as these materials react rapidly with higher concentrations of hydrogen peroxide. Rinse immediately if skin is contaminated. Remove contaminated clothing and shoes immediately. Thoroughly rinse the outside of gloves and protective clothing with water prior to removal. Completely submerge hydrogen peroxide contaminated clothing or other materials in water prior to drying. Residual hydrogen peroxide, if allowed to dry on materials such as paper, fabrics, cotton, leather, wood, or other combustibles can cause the material to ignite and result in fire. Clean protective equipment before reuse. Provide a safety shower at any location where skin contact can occur. Wash thoroughly after handling.

Respiratory Protection

Avoid breathing vapor or mist. Where airborne exposure is likely or airborne exposure limits are exceeded (if applicable, see above), use NIOSH approved respiratory protection equipment appropriate to the material and/or its components. Full face piece equipment is recommended and, if used, replaces need for face shield and/or chemical goggles. Consult respirator manufacturer to determine appropriate type of equipment for a given application. Observe respirator use limitations specified by NIOSH or the manufacturer. For emergency and other conditions where there may be a potential for significant exposure or where exposure limit may be significantly exceeded, use an approved full face positive-pressure, self-contained breathing apparatus or

positive-pressure airline with auxiliary self-contained air supply. Respiratory protection programs must comply with 29 CFR § 1910.134.

Hygiene Measures

Follow general industrial hygiene practices.

9. PHYSICAL AND CHEMICAL PROPERTIES

These properties should not be taken as specifications.

Physical State: Liquid

Appearance: Clear

Color: Colorless

Odor: N/A

Property

pH: < 3.5 (20°C)

Melting/freezing Point: N/A

Boiling point/boiling range: N/A

Flash Point: N/A

Flammability (solid,gas): N/A

Flammability Limit in air

Upper flammability limit: N/A

Lower flammability limit: N/A

Vapor Pressure: 48 Pa@ 30°C

Specific Gravity

Water Solubility: Completely miscible

Partitions coefficient: N/A

Autoignition temperature: N/A

Decomposition temperature: N/A

Kinematic viscosity: N/A

Other Information

Softening Point: N/A

VOC Content (%): N/A

Particle Size: N/A

Particle Size Distribution: N/A

10. STABILITY AND REACTIVITY

Chemical Stability

This material is chemically stable under normal and anticipated storage, handling and processing conditions.

Conditions to avoid

Material decomposes with the potential to produce a rupture of unvented containers. Avoid high temperatures. Do not store near combustible materials.

Incompatible Materials

Metals
Organic materials
Reducing agents
Metallic oxides
Dusts
Combustible materials
Alkaline materials

Hazardous Decomposition Products

This material decomposes if contaminated causing fire and possible explosions. Oxygen can be liberated at temperatures above ambient.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

For HYDROGEN PEROXIDE 50%

Inhalation

May cause respiratory irritation.

Eye Contact

Causes serious eye damage. (Rabbit) (70%) (Aqueous solution)

Skin Contact

Causes severe skin burns. (Rabbit) (1h) (50%) (aqueous solution)

Ingestion

Toxic if swallowed. (Rat) LD50 = 225 – 1200 mg/kg. (50%) (as aqueous solution)

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Hydrogen peroxide	225-1200 mg/kg	9200 mg/kg	No deaths occurred

Information on toxicological effects

Symptoms

N/A

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

Sensitization

N/A

Mutagenic Effects

Carcinogenicity

Chemical Name	ACGIH	IARC	NTP	OSHA
Hydrogen Peroxide	N/A	N/A	N/A	N/A

Reproductive Toxicity

STOT – single exposure

May cause respiratory irritation.

STOT – repeated exposure

Chronic Toxicity

N/A

Target Organ Effects

May cause delayed lung injury resulting in pulmonary edema and pneumonitis.

Aspiration Hazard

N/A

Numerical Measures of Toxicity Product Information

N/A

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Species	Test Result
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Hydrogen Peroxide	Carp	42 mg/L, 48h (LC ₅₀)
	Daphnia	2.4 mg/L, 48h (EC ₅₀)

Persistence and Degradability

N/A

Bioaccumulation

N/A

Other adverse effects

No other adverse environmental effects (e.g. Ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this product.

13. DISPOSAL CONSIDERATIONS

Waste treatment Methods

Disposal methods

Dispose in accordance with federal, state and local regulations. Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits. Note: Chemical additions to, processing of, or otherwise altering this material may make this waste management information incomplete, inaccurate, or otherwise inappropriate. Furthermore, state and local waste disposal requirements may be more restrictive or otherwise different from federal laws and regulations.

Take appropriate measures to prevent release into the environment.

Contaminated packaging

US EPA Waster Number

Ignitability characteristic: use EPA hazardous waste number D001 (waste code I)

Corrosivity characteristic: use EPA hazardous waste number D002 (waste code C)

California Hazardous Waste Codes

Chemical Name	California Hazardous Waste
N/A	N/A

14. TRANSPORT INFORMATION

Shipping information is not required as this is not a dangerous good.

15. Regulatory Information

International Inventories

N/A

US Federal Regulations

N/A

SARA 313

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazard Categories

N/A

CWA (Clean Water Act)

N/A

CERCLA

This material does not contain any components with a CERCLA RQ.

US State Regulations

N/A

California Proposition 65

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive defects.

U.S. State Right to Know Regulations

New Jersey Right To Know Components

Water CAS-No.

CAS-No.

7732-18-5

Hydrogen Peroxide

7722-84-1

New Jersey Right To Know – Special Hazardous Substances(s)

CAS-No.

Hydrogen Peroxide

7722-84-1

Pennsylvania Right To Know Components

CAS-No.

Water CAS-No.

7732-18-5

Hydrogen Peroxide

7722-84-1

Pennsylvania Right To Know – Special Hazardous Substances(s)

CAS-No.

Hydrogen Peroxide

7722-84-1

EPA Pesticide Registration Number

N/A

EPA Statement

N/A

International Regulations

Component	Carcinogen Status	Exposure Limits
Hydrogen Peroxide	N/A	N/A

Canada

WHMIS Hazard Class

N/A

16. OTHER INFORMATION

Prepared By **Delon Laboratories (1990) Inc.**
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Revision Note

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