



## Safety Data Sheet

### Hydrogen Peroxide 3% USP

SDS Revision Date:

10/19/2015

#### 1. Identification

##### 1.1. Product identifier

**Product Identity**

Hydrogen Peroxide 3% USP

**Alternate Names**

Product Code: 001

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Intended use**

First aid to help prevent risk of infection in minor cuts, scratches and burns; Aids in the removal of phlegm, mucous or other oral secretions associated with occasional sore mouth.

**Application Method**

First aid antiseptic: apply a small amount of product on affected area 1 to 3 times daily  
Oral rinse: mix with an equal amount of water and swish around mouth up to 4 times daily

##### 1.3. Details of the supplier of the safety data sheet

**Company Name**

Hydrox Laboratories  
825 Tollgate Rd.  
Elgin, IL 60123

**Emergency****24 hour Emergency Telephone No.**

800-255-3924

**Customer Service: Hydrox Laboratories**

847-468-9400

#### 2. Hazard(s) identification

##### 2.1. Classification of the substance or mixture

Skin Corr. 1B;H314

Causes severe skin burns and eye damage.

Eye Dam. 1;H318

Causes serious eye damage.

##### 2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.

(Not required on OTC product or case labels per Occupational Safety and Health Standards 29 CFR 1910.1200(b)(5))

**Danger**



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H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

#### [Prevention]:

P260 Do not breathe mist / vapors / spray.

P264 Wash thoroughly after handling.

P280 Wear protective gloves / eye protection / face protection.

#### [Response]:

P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Stay at rest.

P303+361+353 IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.

P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

P310 Immediately call a POISON CENTER or doctor / physician.

P363 Wash contaminated clothing before reuse.

#### [Storage]:

P405 Store locked up.

#### [Disposal]:

P501 Dispose of contents / container in accordance with local / national regulations.

### 3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

| Ingredient/Chemical Designations              | Weight % | GHS Classification  | Notes  |
|---|----------|---|--------|
| Hydrogen peroxide<br>CAS Number: 0007722-84-1 | 1.0 - 10 | Ox. Liq. 1;H271<br>Acute Tox. 4;H332<br>Acute Tox. 4;H302<br>Skin Corr. 1A;H314 | [1][2] |

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

\*The full texts of the phrases are shown in Section 16.

### 4. First aid measures

#### 4.1. Description of first aid measures

##### General

In all cases of doubt, or when symptoms persist, seek medical attention.  
Never give anything by mouth to an unconscious person.

##### Inhalation

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give



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artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

**Eyes** Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

**Skin** Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.

**Ingestion** If swallowed do NOT induce vomiting and obtain immediate medical attention.

#### 4.2. Most important symptoms and effects, both acute and delayed

**Overview** Inhalation of vapors and mists irritate the nose and throat. Minimally irritating to the eyes and mildly irritating to the skin. See section 2 for further details.

**Eyes** Causes serious eye damage.

**Skin** Causes severe skin burns and eye damage.

## 5. Fire-fighting measures

### 5.1. Extinguishing media

Recommended extinguishing media; Flood with water spray of water fog.

### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Oxygen, which supports combustion.

Do not breathe mist / vapors / spray.

### 5.3. Advice for fire-fighters

Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

ERG Guide No. ----

## 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

### 6.2. Environmental precautions

Biodegradable, non-hazardous to environment.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

### 6.3. Methods and material for containment and cleaning up

Flush with water: wear rubber boots, rubber apron and goggles.

## 7. Handling and storage



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#### 7.1. Precautions for safe handling

See section 2 for further details. - [Prevention]:

#### 7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.

Incompatible materials: Reducing agents, combustible materials.

Store in a cool, dark place. Avoid extreme heat.

See section 2 for further details. - [Storage]:

#### 7.3. Specific end use(s)

No data available.

## 8. Exposure controls and personal protection

### 8.1. Control parameters

#### Exposure

| CAS No.      | Ingredient        | Source   | Value                 |
|--------------|-------------------|----------|-----------------------|
| 0007722-84-1 | Hydrogen peroxide | OSHA     | TWA 1 ppm (1.4 mg/m3) |
|              |                   | ACGIH    | TWA: 1 ppm            |
|              |                   | NIOSH    | TWA 1 ppm (1.4 mg/m3) |
|              |                   | Supplier | No Established Limit  |

| CAS No.      | Ingredient        | Source | Value   |
|--------------|-------------------|--------|---|
| 0007722-84-1 | Hydrogen peroxide | OSHA   | Select Carcinogen: No   |
|              |                   | NTP    | Known: No; Suspected: No  |
|              |                   | IARC   | Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No; |

### 8.2. Exposure controls

#### Respiratory

If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.

#### Eyes

Protective goggles if desired.

#### Skin

Rubber or vinyl gloves.

#### Engineering Controls

Not applicable

#### Other Work Practices

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

## 9. Physical and chemical properties



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|   |  |
|---|--|
| Appearance                                      | Clear, Colorless Liquid  |
| Odor  | Odorless   |
| Odor threshold                                  | Not Measured   |
| pH  | Not Available  |
| Melting point / freezing point                  | Not Available  |
| Initial boiling point and boiling range         | 212°F  |
| Flash Point                                     | Not Applicable   |
| Evaporation rate (Butyl Acetate = 1)            | > 1  |
| Flammability (solid, gas)                       | Not Applicable   |
| Upper/lower flammability or explosive limits    | <b>Lower Explosive Limit:</b> Not Applicable<br><b>Upper Explosive Limit:</b> Not Applicable |
| Vapor pressure (Pa)                             | 23 mmHg  |
| Vapor Density                                   | Not Available  |
| Specific Gravity (H <sub>2</sub> O = 1)         | 1.1  |
| Solubility in Water                             | Complete   |
| Partition coefficient n-octanol/water (Log Kow) | Not Measured   |
| Auto-ignition temperature                       | Not Measured   |
| Decomposition temperature                       | Not Measured   |
| Viscosity (cSt)                                 | Not Measured   |
| Heavy Metals                                    | 5 ppm maximum  |
| Limit of Preservative                           | NMT 50 mg  |
| Hydrogen Peroxide Assay                         | 2.5%-3.5%  |
| <b>9.2. Other information</b>                   |  |
| No other relevant information.                  |  |

## 10. Stability and reactivity

### 10.1. Reactivity

Hazardous Polymerization will not occur.

### 10.2. Chemical stability

Stable under normal circumstances.

### 10.3. Possibility of hazardous reactions

No data available.

### 10.4. Conditions to avoid

Extreme heat and contamination.

### 10.5. Incompatible materials

Reducing agents, combustible materials.



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#### 10.6. Hazardous decomposition products

Oxygen, which supports combustion.

## 11. Toxicological information

#### Acute toxicity

| Ingredient                      | Oral LD50,<br>mg/kg          | Skin LD50,<br>mg/kg            | Inhalation<br>Vapor LD50,<br>mg/L/4hr | Inhalation<br>Dust/Mist LD50,<br>mg/L/4hr | Inhalation<br>Gas LD50,<br>ppm |
|---------------------------------|------------------------------|--------------------------------|---------------------------------------|---|--------------------------------|
| Hydrogen peroxide - (7722-84-1) | 801.00, Rat -<br>Category: 4 | 2,000.00, Rat -<br>Category: 4 | 2.00, Rat -<br>Category: 2            | No data<br>available                      | No data<br>available           |

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

| Classification                | Category | Hazard Description                       |
|-------------------------------|----------|--|
| Acute toxicity (oral)         | ---      | Not Applicable                           |
| Acute toxicity (dermal)       | ---      | Not Applicable                           |
| Acute toxicity (inhalation)   | ---      | Not Applicable                           |
| Skin corrosion/irritation     | 1B       | Causes severe skin burns and eye damage. |
| Serious eye damage/irritation | 1        | Causes serious eye damage.               |
| Respiratory sensitization     | ---      | Not Applicable                           |
| Skin sensitization            | ---      | Not Applicable                           |
| Germ cell mutagenicity        | ---      | Not Applicable                           |
| Carcinogenicity               | ---      | Not Applicable                           |
| Reproductive toxicity         | ---      | Not Applicable                           |
| STOT-single exposure          | ---      | Not Applicable                           |
| STOT-repeated exposure        | ---      | Not Applicable                           |
| Aspiration hazard             | ---      | Not Applicable                           |

## 12. Ecological information

#### 12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

#### Aquatic Ecotoxicity

| Ingredient | 96 hr LC50 fish, | 48 hr EC50 crustacea, | ErC50 algae, |
|------------|------------------|-----------------------|--------------|
|------------|------------------|-----------------------|--------------|



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|                                 | mg/l                       | mg/l                | mg/l  |
|---------------------------------|----------------------------|---------------------|---|
| Hydrogen peroxide - (7722-84-1) | 22.00, Oncorhynchus mykiss | 2.32, Daphnia magna | 0.71 (72 hr), Microcystis pulverea ssp. incerta |

### 12.2. Persistence and degradability

There is no data available on the preparation itself.

### 12.3. Bioaccumulative potential

Not Measured

### 12.4. Mobility in soil

No data available.

### 12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

### 12.6. Other adverse effects

No data available.

## 13. Disposal considerations

### 13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

## 14. Transport information

Not regulated

## 15. Regulatory information

### Regulatory Overview

The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

### Toxic Substance Control Act ( TSCA)

All components of this material are either listed or exempt from listing on the TSCA Inventory.

### WHMIS Classification

D2B E

### US EPA Tier II Hazards

Fire: No

Sudden Release of Pressure: No

Reactive: No

Immediate (Acute): Yes

Delayed (Chronic): No

### EPCRA 311/312 Chemicals and RQs:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.



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**EPCRA 302 Extremely Hazardous:**

Hydrogen peroxide

**EPCRA 313 Toxic Chemicals:**

No chemicals at levels which require reporting under this statute.

**Proposition 65 - Carcinogens (>0.0%):**

No chemicals at levels which require reporting under this statute.

**Proposition 65 - Developmental Toxins (>0.0%):**

No chemicals at levels which require reporting under this statute.

**Proposition 65 - Female Repro Toxins (>0.0%):**

No chemicals at levels which require reporting under this statute.

**Proposition 65 - Male Repro Toxins (>0.0%):**

No chemicals at levels which require reporting under this statute.

**New Jersey RTK Substances (>1%):**

Hydrogen peroxide

**Pennsylvania RTK Substances (>1%):**

Hydrogen peroxide

## 16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H271 May cause fire or explosion; strong oxidizer.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H332 Harmful if inhaled.

**This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.**

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