



Univar  
3075 Highland Pkwy STE 200  
Downers Grove, IL 60515  
425-889-3400

## SAFETY DATA SHEET

### 1. Identification

**Product identifier:** - HYDROGEN PEROXIDE 1 - 7%

#### Other means of identification

**SDS number:** 000100000010

#### Recommended use and restriction on use

**Recommended use:** Reserved for industrial and professional use.

**Restrictions on use:** Not known.

**Emergency telephone number:** For emergency assistance Involving chemicals

call CHEMTREC day or night at: 1-800-424-9300. CHEMTREC INTERNATIONAL Tel# 703-527-3887

### 2. Hazard(s) identification

#### Hazard Classification

##### Health Hazards

Acute toxicity (Oral) Category 4

Skin Corrosion/Irritation Category 2

Serious Eye Damage/Eye Irritation Category 1

#### Label Elements

##### Hazard Symbol



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<b>Signal Word</b>	Warning
<b>Hazard Statement</b>	Causes skin irritation. Causes serious eye damage. Harmful if swallowed.
<b>Precautionary Statements</b>	
<b>Prevention</b>	Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Keep only in original container.
<b>Response</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing.
<b>Storage</b>	Keep container tightly closed. Store in a well-ventilated place. Store in a dry place.
<b>Disposal</b>	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
<b>Other hazards which do not result in GHS classification</b>	None.

### 3. Composition/information on ingredients

## Substances

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)*
Water		7732-18-5	93 - 99%
Hydrogen peroxide (H <sub>2</sub> O <sub>2</sub> )		7722-84-1	1 - 7%

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

## 4. First-aid measures

<b>Ingestion:</b>	Do NOT induce vomiting. Never give liquid to an unconscious person. Get medical attention immediately.
<b>Inhalation:</b>	Move to fresh air. If breathing is difficult, give oxygen. Perform artificial respiration if breathing has stopped. Get medical attention immediately.
<b>Skin Contact:</b>	Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
<b>Eye contact:</b>	If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor. Get medical attention immediately.
<b>Most important symptoms/effects, acute and delayed</b>	

### Symptoms:

No data available.

## Indication of immediate medical attention and special treatment needed

**Treatment:** No data available.

## 5. Fire-fighting measures

**General Fire Hazards:** No data available.

### Suitable (and unsuitable) extinguishing media

**Suitable extinguishing media:** Use: Water Spray or Fog.

**Unsuitable extinguishing media:** No data available.

**Specific hazards arising from the chemical:** No data available.

### Special protective equipment and precautions for firefighters

**Special fire fighting procedures:** No data available.

**Special protective equipment for fire-fighters:** No data available.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures:** Use personal protective equipment. Keep unauthorized personnel away.

**Methods and material for containment and cleaning up:** Absorb spillage with non-combustible, absorbent material. Dike for later disposal.

## 7. Handling and storage

**Precautions for safe handling:** Use personal protective equipment as required. Wash thoroughly after handling. Use only with adequate ventilation. Wash contaminated clothing before reuse.

**Conditions for safe storage, including any incompatibilities:** No data available.

## 8. Exposure controls/personal protection

### Control Parameters

#### Occupational Exposure Limits

Chemical Identity	type	Exposure Limit Values	Source
Hydrogen peroxide (H <sub>2</sub> O <sub>2</sub> )	TWA	1 ppm 1.4 mg/m <sup>3</sup>	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	ST ESL	14 µg/m <sup>3</sup>	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	ST ESL	10 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	AN ESL	1.4 µg/m <sup>3</sup>	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	AN ESL	1 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
Hydrogen peroxide (H <sub>2</sub> O <sub>2</sub> ) - as H <sub>2</sub> O <sub>2</sub>	TWA PEL	1 ppm 1.4 mg/m <sup>3</sup>	US. California Code of Regulations, Title 8, Section 5155. Airborne

			Contaminants (02 2012)
Hydrogen peroxide (H <sub>2</sub> O <sub>2</sub> )	TWA	1 ppm	US. ACGIH Threshold Limit Values (03 2013)
	REL	1 ppm 1.4 mg/m <sup>3</sup>	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	PEL	1 ppm 1.4 mg/m <sup>3</sup>	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA	1 ppm 1.4 mg/m <sup>3</sup>	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)

**Appropriate Engineering Controls** No data available.

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

**General information:** Use personal protective equipment as required. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned. Practice good housekeeping.

**Eye/face protection:** No data available.

**Skin Protection**

**Hand Protection:** No data available.

**Other:** No data available.

**Respiratory Protection:** No data available.

**Hygiene measures:** No data available.

## 9. Physical and chemical properties

**Physical state:** liquid

**Form:** No data available.

**Color:** Colorless

**Odor:** Odorless

**Odor threshold:** No data available.

**pH:** 3

**Melting point/freezing point:** 0 °C 32 °F

**Initial boiling point and boiling range:** 100 - 176 °C 212 - 348 °F

**Flash Point:** Does not flash

**Evaporation rate:** No data available.

**Flammability (solid, gas):** No data available.

#### Upper/lower limit on flammability or explosive limits

**Flammability limit - upper (%):** No data available.  
**Flammability limit - lower (%):** No data available.  
**Explosive limit - upper (%):** No data available.  
**Explosive limit - lower (%):** No data available.  
**Vapor pressure:** No data available.  
**Vapor density:** No data available.  
**Relative density:** 1  
**Solubility(ies)**  
**Solubility in water:** Soluble  
**Solubility (other):** No data available.  
**Partition coefficient (n-octanol/water):** No data available.  
**Auto-ignition temperature:** No data available.  
**Decomposition temperature:** No data available.  
**Viscosity:** No data available.

#### 10. Stability and reactivity

**Reactivity:** No data available.  
**Chemical Stability:** No data available.  
**Possibility of hazardous reactions:** No data available.  
**Conditions to avoid:** No data available.  
**Incompatible Materials:** No data available.  
**Hazardous Decomposition Products:** No data available.

#### 11. Toxicological information

##### Symptoms related to the physical, chemical and toxicological characteristics

**Ingestion:** No data available.  
**Inhalation:** No data available.  
**Skin Contact:** No data available.  
**Eye contact:** No data available.

## Information on toxicological effects

### Acute toxicity (list all possible routes of exposure)

#### Oral

Product: ATEmix (): 1,026 mg/kg  
LD 50 (Rat): 376 mg/kg

#### Dermal

Product: LD 50 (Rat): 4.06 mg/kg  
Not classified for acute toxicity based on available data.

#### Inhalation

Product: LC 50 (Rat, ): 2 mg/l

#### Repeated dose toxicity

Product: No data available.

#### Skin Corrosion/Irritation

Product: No data available.

#### Serious Eye Damage/Eye Irritation

Product: No data available.

#### Respiratory or Skin Sensitization

Product: No data available.

#### Carcinogenicity

Product: No data available.

#### IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified

#### US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogenic components identified

#### US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

No carcinogenic components identified

#### Germ Cell Mutagenicity

##### In vitro

Product: No data available.

##### In vivo

Product: No data available.

#### Reproductive toxicity

Product: No data available.

#### Specific Target Organ Toxicity - Single Exposure

Product: No data available.

#### Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

#### Aspiration Hazard

Product: No data available.

**Other effects:** No data available.

## 12. Ecological information

### **Ecotoxicity:**

#### **Acute hazards to the aquatic environment:**

##### **Fish**

**Product:** No data available.

##### **Specified substance(s):**

Hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>) LC 50 (Chameleon goby (Tridentiger trigonocephalus), 24 h): 155 mg/l  
Mortality LC 50 (Jack Mackerel (Trachurus japonicus), 24 h): 89 mg/l  
Mortality

##### **Aquatic Invertebrates**

**Product:** No data available.

#### **Chronic hazards to the aquatic environment:**

##### **Fish**

**Product:** No data available.

##### **Aquatic Invertebrates**

**Product:** No data available.

##### **Toxicity to Aquatic Plants**

**Product:** No data available.

### **Persistence and Degradability**

#### **Biodegradation**

**Product:** No data available.

#### **BOD/COD Ratio**

**Product:** No data available.

### **Bioaccumulative Potential**

#### **Bioconcentration Factor (BCF)**

**Product:** No data available.

#### **Partition Coefficient n-octanol / water (log K<sub>ow</sub>)**

**Product:** No data available.

### **Mobility in Soil:**

#### **Known or predicted distribution to environmental compartments**

Water No data available.

Hydrogen peroxide No data available.

#### **Known or predicted distribution to environmental compartments**



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**US. New Jersey Worker and Community Right-to-Know Act**

Hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>) Listed

**US. Massachusetts RTK - Substance List**

Hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>) Listed

**US. Pennsylvania RTK - Hazardous Substances**

Hydrogen peroxide Listed  
(H<sub>2</sub>O<sub>2</sub>)

**US. Rhode Island RTK**

Hydrogen peroxide Listed  
(H<sub>2</sub>O<sub>2</sub>)

**Inventory Status:** Australia AICS:

Canada DSL Inventory List:

EU EINECS List:

EU ELINCS List:

Japan (ENCS) List:

EU No Longer Polymers List:

China Inv. Existing Chemical Substances:

Korea Existing Chemicals Inv. (KECI):

Canada NDSL Inventory:

Philippines PICCS:

US TSCA Inventory:

New Zealand Inventory of Chemicals:

Japan ISHL Listing:

Japan Pharmacopoeia Listing:

Not in compliance with the inventory.

Not in compliance with the inventory.

On or in compliance with the inventory

Not in compliance with the inventory.

On or in compliance with the inventory

Not in compliance with the inventory.

Not in compliance with the inventory.

Not in compliance with the inventory.

**16. Other information, including date of preparation or last revision**

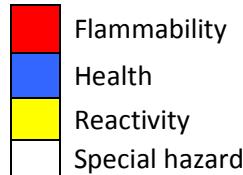
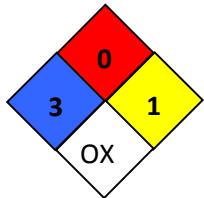
**HMIS Hazard ID**

Health	*	1
Flammability		0
Physical Hazards		2
PERSONAL PROTECTION		B

B - Safety Glasses & Gloves

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible; \*Chronic health effect

**NFPA Hazard ID**



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible  
OX: Oxidizing agent

**Issue Date:** 11/21/2016

**Revision Date:** No data available.

**Version #:** 1.7

**Further Information:** No data available.



## Univar USA Inc Safety Data Sheet

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For Additional Information contact SDS Coordinator during business hours, Pacific time: (425) 889-3400

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