

ISSUE DATE: September 2013

REVISION DATE: June 2023

VERSION: 2

## 1. IDENTIFICATION

### PRODUCT IDENTIFIER

**PRODUCT NAME** HE OXY DETERGENT

### OTHER MEANS OF IDENTIFICATION

**Product Code** C8  
**UN/ID** UN2984  
**Document** E-201

**Recommended Uses** Laundry Detergent Bleach Combination

### SDS-SUPPLIER INFORMATION

**SUPPLIER ADDRESS** EMULSO  
2750 Kenmore Avenue  
Tonawanda, NY 14150

### EMERGENCY TELEPHONE NUMBER

**COMPANY PHONE NUMBER** (716) 854-2889  
**COMPANY FAX NUMBER** (716) 854-2809  
**24-HOUR EMERGENCY TELEPHONE (ACCOUNT #8686)**  
**NORTH AMERICA** 1-800-633-8253  
**INTERNATIONAL** PERS 1-801-629-0667

## 2. HAZARDS IDENTIFICATION

### CLASSIFICATION

Skin corrosion/irritation Category 2  
Serious eye damage/eye irritation Category 2  
Oxidizing liquids Category 3

**SIGNAL WORD** Warning

### HAZARD STATEMENTS



**APPEARANCE** Transparent

**PHYSICAL STATE** Liquid

### PRECAUTIONARY STATEMENTS

**PREVENTION** Wash face, hands and any exposed skin thoroughly after handling.  
Wear protective gloves/protective clothing/eye protection/face protection.

**RESPONSE** Immediately call poison center or doctor/ physician.

<b>IF SWALLOWED</b>	Rinse mouth. Do NOT induce vomiting.
<b>IF IN EYES</b>	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.
<b>IF ON SKIN/HAIR</b>	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.
<b>IF INHALED</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.
<b>STORAGE</b>	Store locked up and in a well-ventilated place.
<b>DISPOSAL</b>	Dispose of contents/container to an approved waste disposal plant.
<b>OTHER INFORMATION</b>	Harmful to aquatic life with long lasting effects.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	WEIGHT - %
Hydrogen peroxide	7722-84-1	5 - 15%

\*\*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

<b>GENERAL ADVICE</b>	Immediately call a POISON CENTER or doctor/physician.
<b>EYE CONTACT</b>	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.
<b>SKIN CONTACT</b>	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.
<b>INHALATION</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.
<b>INGESTION</b>	Rinse mouth. Do NOT induce vomiting.

#### MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE & DELAYED

<b>MAIN SYMPTOMS</b>	Causes severe skin burns and eye damage.
----------------------	--

**INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY****NOTES TO PHYSICIAN** Treat symptomatically.**5. FIRE-FIGHTING MEASURES****SUITABLE EXTINGUISHING MEDIA** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.**UNSUITABLE EXTINGUISHING MEDIA** Use of water spray when fighting fire may be inefficient.**SPECIFIC HAZARDS ARISING FROM CHEMICAL** Oxidizing agent. Contact with flammable liquids or vapors may cause immediate fire or explosion, especially if heated, or it may result in delayed explosion. Decomposition will release oxygen, which will increase the explosive limits and burning rate of flammable vapors.**HAZARDOUS COMBUSTION PRODUCTS** On decomposition, product releases oxygen which may intensify fire.**PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS**

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

**6. ACCIDENTAL RELEASE MEASURES****PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES****PERSONAL PRECAUTIONS** Use personal protective equipment as required. Spills may be slippery. Prior permitting may be required before any detergent chemicals can be put into city sewers. See Section 12 for additional Ecological Information. See Section 13, Disposal Considerations, for additional information.  
**ENVIRONMENTAL PRECAUTIONS****METHODS AND MATERIALS FOR CONTAMINATION AND CLEAN-UP****CONTAMINATION** Prevent further leakage or spillage if safe to do so.  
**CLEAN-UP** Sweep up and reclaim for use or flush to sewer.**7. HANDLING AND STORAGE****PRECAUTIONS FOR SAFE HANDLING****PROTECTIVE MEASURES** Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. Wash face, hands, and any

exposed skin thoroughly after handling. Do not breathe dust/fume/gas/mist/vapors/spray.

## CONDITIONS FOR SAFE STORAGE (INCLUDING ANY INCOMPATIBILITIES)

**STORAGE CONDITIONS** Keep container tightly closed and store in a cool, dry and well-ventilated place. Store locked up. Do not store at temperatures above 120°F. Do not mix with other chemicals.

**INCOMPATIBLE MATERIALS** Reducing agents, combustible materials, organic materials, metals, cyanides, acids.

## 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/m3	IDLH: 75 ppm TWA: 1 ppm TWA: 1.4 mg/m3

**ENGINEERING CONTROLS** Apply technical measures to comply with the occupational exposure limits. Eyewash stations. Showers.

### INDIVIDUAL PROTECTION MEASURES

**EYE/FACE PROTECTION** Wear approved safety goggles.  
**SKIN/BODY PROTECTION** Wear rubber or neoprene gloves. Wear suitable protective clothing. Ensure adequate ventilation, especially in confined areas. In case of inadequate ventilation or risk of inhalation of vapors, use suitable respiratory equipment.  
**RESPIRATORY PROTECTION**  
**GENERAL HYGIENE** Wash contaminated clothing before reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE** Transparent, colorless liquid  
**APPEARANCE** Transparent  
**COLOR** Colorless  
**ODOR** Odorless  
**ODOR THRESHOLD** Not determined

PROPERTY	VALUES
pH	4.75
MELTING POINT/FREEZING POINT	Not determined
BOILING POINT/BOILING RANGE	Not determined
FLASH POINT	.93.3C .200F
EVAPORATION RATE	>1
FLAMMABILITY (SOLID, GAS)	Liquid-not applicable
UPPER FLAMMABILITY LIMITS	Not determined
LOWER FLAMMABILITY LIMITS	Not determined
VAPOR PRESSURE	Not determined
VAPOR DENSITY	Not determined
SPECIFIC GRAVITY	1.06

<b>WATER SOLUBILITY</b>	Completely soluble
<b>SOLUBILITY IN OTHER SOLVENTS</b>	Not determined
<b>PARTITION COEFFICIENT</b>	Not determined
<b>AUTO-IGNITION TEMPERATURE</b>	Not determined
<b>DECOMPOSITION TEMPERATURE</b>	Not determined
<b>KINEMATIC VISCOSITY</b>	Not determined
<b>DYNAMIC VISCOSITY</b>	Not determined
<b>EXPLOSIVE PROPERTIES</b>	Not determined
<b>OXIDIZING PROPERTIES</b>	These substances will accelerate burning when involved in a fire.

## 10. STABILITY AND REACTIVITY

<b>REACTIVITY</b>	Decomposes slowly over time. Heat and contaminated material can accelerate this process.
<b>CHEMICAL STABILITY</b>	None under normal processing.
<b>POSSIBILITY OF HAZARDOUS REACTIONS</b>	None under normal processing.
<b>CONDITIONS TO AVOID</b>	Extremes of temperature and direct sunlight.
<b>INCOMPATIBLE MATERIALS</b>	Reducing agents, combustible materials, organic materials, metals, cyanides, acids.
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	Releases oxygen gas, which in a confined space will increase explosive limits.

## 11. TOXICOLOGICAL INFORMATION

*Information on likely routes of exposure.*

<b>EYE CONTACT</b>	Causes severe eye damage.
<b>SKIN CONTACT</b>	Causes severe skin burns.
<b>INHALATION</b>	Avoid breathing vapors or mists.
<b>INGESTION</b>	Do not taste or swallow.

### COMPONENT INFORMATION

CHEMICAL NAME	ORAL LD50	DERMAL LD50	INHALATION LC50
Hydrogen Peroxide 7722-84-1	= 801 mg/kg ( Rat )	= 2000 mg/kg ( Rabbit ) = 4060 mg/kg ( Rat )	= 2 g/m3 ( Rat ) 4 h

*Information on Toxicological Effects*

**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** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

*Numerical measures of toxicity – Product Information*

Not determined.

## 12. ECOLOGICAL INFORMATION

### ECOTOXICITY

Hydrogen peroxide is naturally produced by sunlight (between 0.1 and 4 ppb in air and 0.001 to 0.1 mg/L in water). Not expected to have significant environmental effects.

CHEMICAL NAME	ALGAE/ AQUATIC PLANTS	FISH	CRUSTACEA
Hydrogen peroxide <b>7722-74-1</b>	2.5: 72 h Chlorella vulgaris mg/L EC50	16.4: 96 h Pimehales 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	18 – 32: 48 h Daphnia magna mg/L EC50 Static 7.7: 24 h Daphnia magna mg/L EC50
Phosphoric Acid <b>7664-38-2</b>	-	3 – 3.5: 96 h Gambusia alfinis mg/L LC50	4.6: 12 h Daphnia magna mg/L EC50
Tinopal CBS-X <b>27344-41-8</b>	10: 72 h Desmodemus subspicatus mg/L EC50 10.0 – 11.0: 96 h Desmodemus subspicatus mg/L EC50	76: 96 h Brachydanio rerio mg/L LC50 static	-

**PERSISTENCE AND DEGRADABILITY** Not information available.  
**BIOACCUMULATION** No information available.  
**OTHER ADVERSE EFFECTS** No Information available.

## 13. DISPOSAL CONSIDERATIONS

### WASTE TREATMENT METHODS

**WASTE DISPOSAL** Disposal should be in accordance with applicable regional, national and local laws and regulations.  
**CONTAMINATED PACKAGING** Disposal should be in accordance with applicable regional, national and local laws and regulations. Do not reuse container.

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

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

	<b>DOT</b>
<b>UN/ID No</b>	UN2984
<b>Proper Shipping Name</b>	HYDROGEN PEROXIDE, AQUEOUS SOLUTION
<b>Hazard Class</b>	5.1
<b>Packing Group</b>	III

## 15. REGULATORY INFORMATION

### INTERNATIONAL INVENTORIES

Not determined

### LEGEND

<b>TSCA</b>	United States Toxic Substances Control Act Section 8(B) Inventory.
<b>DSL/NDSL</b>	Canadian Domestic Substances List/Non-Domestic Substances List.
<b>EINECS/ELINCS</b>	European Inventory of Existing/Notified Chemical Substances.
<b>ENCS</b>	Japan Existing and New Chemical Substances.
<b>IECSC</b>	China Inventory of Existing Chemical Substances.
<b>KECL</b>	Korean Existing and Evaluated Chemical Substances.
<b>PICCS</b>	Philippines Inventory of Chemicals and Chemical Substances.

## U.S. 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 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.

### CLEAN WATER ACT (CWA)

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).

## U.S. STATE REGULATIONS

### U.S. STATE RIGHT-TO-KNOW REGULATIONS

### CALIFORNIA PROPOSITION 65

This product does not contain any Proposition 65 chemicals.

**16. OTHER INFORMATION**

<b>NFPA</b>	<b>HEALTH HAZARDS</b>	<b>FLAMMABILITY</b>	<b>INSTABILITY</b>	<b>SPECIAL HAZARDS</b>
	2	Not determined	1	OX
<b>HMIS</b>	<b>HEALTH HAZARDS</b>	<b>FLAMMABILITY</b>	<b>PHYSICAL HAZARDS</b>	<b>PERSONAL PROTECTION</b>
	2	Not determined	1	H

**DISCLAIMER**

The information provided in this Safety Data Sheet is correct to the best of our knowledge 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**