

Safety Data Sheet

Safety Data Sheet (in compliance with Regulation (EC) 1907/2006, Regulation (EC) 1272/2008 and Regulation (EC) 453/2010)

Date Issued: 22 June 2009
 Document Number: 0011513MS
 Date Revised: 06 August 2014
 Revision Number: 3

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier:

Trade Name (as labeled):	Superoxol
Part/Item Number:	11513 (1 oz)

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against:

Recommended Use:	Dental bleaching
Restrictions on Use:	For professional use only

1.3 Details of the Supplier of the Safety Data Sheet:

Manufacturer/Supplier Name:	Sultan Healthcare
Manufacturer/Supplier Address:	1301 Smile Way York, PA, USA
Manufacturer/Supplier Telephone Number:	1-201-871-1232 or 800-637-8582 (Product Information)-
Email address:	customer.service@sultanhc.com

1.4 Emergency Telephone Number:

Emergency Contact Telephone Number:	800-535-5053 (INFOTRAC) 1-352-323-3500 (Outside the United States – Call Collect)
-------------------------------------	---

2. HAZARD(s) IDENTIFICATION

2.1 Classification of the Substance or Mixture:

GHS SDS Classification:

Health	Environmental	Physical
Skin Irritation Category 2 Eye Damage Category 1 Specific Target Organ Toxicity Single Exposure Category 3	None	Oxidizing Liquid Category 2

EU Classification (1999/45/EC as amended): Oxidising (O), Harmful (Xn), Irritant (Xi)

EU Risk (R) Phrases: R8, R22, R37/38, R41

Refer to Section 16 for the full text of the EU Classifications and R Phrases.

2.2 Labeling Elements: Contains Hydrogen Peroxide



Signal Word: Warning

Hazard Statements	Precautionary Statements
H272 May intensify fire; oxidizer. H315 Causes skin irritation. H318 Causes serious eye damage. H335 May cause respiratory irritation.	P210 Keep away from heat. P220 Keep away from combustible materials. P221 Take any precaution to avoid mixing with combustibles. P261 Avoid breathing mist or vapours. P264 Wash thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves and eye/face protection. P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P332 + P313 If skin irritation occurs: Get medical advice/attention P362 Take off contaminated clothing and wash before reuse. P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P312 Call a POISON CENTER or doctor if you feel unwell. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER or doctor. P370+P378 In case of fire: Use water or foam to extinguish. P403 + P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up. P501 Dispose of contents/container in accordance with local/nation regulations.

2.3 Other Hazards: None

3. COMPOSITION AND INFORMATION ON INGREDIENTS

3.2 Mixture

Hazardous Components	C.A.S. # EC#	IUPAC Name	CLP/GHS / EU Classification (1272/2008) (1999/45/EC)	WT %
Hydrogen Peroxide	7722-84-1 / 231-765-0	dihydrogen dioxide	Ox. Liq. 1 H271 Acute Tox. 4 H332 Acute Tox. 4 H302 Skin Corr. 1A H314 O, C, Xn R5, R8, R35, R20/22	35

Refer to Section 16 for the full text of the GHS and H phrases and EU Classifications and R Phrases.

4. FIRST-AID MEASURES

4.1 Description of First Aid Measures:

Routes of Exposure	First Aid Instructions
Eye	Immediately flush eyes with large quantities of water for at least 15 minutes, holding the eyelids apart. Get immediate medical attention.
Skin	Wash affected area thoroughly with soap and water. Get medical attention if irritation persists. Remove and launder clothing before re-use. Do not permit material to dry on clothing.
Inhalation	Remove victim to fresh air. Get medical attention if irritation persists.
Ingestion	Do not induce vomiting. Rinse mouth with water and give one glass of water to drink. Never give anything by mouth to an unconscious or convulsing person. Get immediate medical attention

4.2 Most Important Symptoms and Effects, Both Acute and Delayed:

Causes serious eye damage with possible permanent eye damage. Causes skin irritation. Vapors or mists may cause moderate to severe respiratory tract irritation.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed:

If eye contact occurs, get immediate medical attention.

Note to Physicians (Treatment, Testing, and Monitoring): Treatment of overexposure should be directed at the control of symptoms and clinical conditions.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Use water or foam.





5.2 Special Hazards Arising from the Substance or Mixture:

Thermal decomposition liberates oxygen, and toxic fumes. Oxidizer. Product will decompose releasing oxygen that intensifies fire. Contact with flammable or combustible materials may cause fire.

5.3 Advice for Fire-Fighters:

Fire Fighting Procedures:	Cool fire exposed containers and structures with water.
Precautions for Fire Fighters:	Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing.

Recommended Protective Equipment for Fire Fighters:



EYES/FACE	SKIN	RESPIRATORY	THERMAL
			

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Keep unprotected people away from spill area. Wear appropriate protective clothing; gloves and eye protection. Large spills may require use of respiratory protection. Keep spilled materials away from flammable or combustible materials.

Recommended Personal Protective Equipment for Containment and Clean-up:

EYES/FACE	SKIN	RESPIRATORY	THERMAL
			

6.2 Environmental Precautions:

Do not allow spill to enter sewers and water courses. Report releases as required by local and federal authorities.

6.3 Methods and Material for Containment and Cleaning up:

Dilute material with extra water. Collect material and place in appropriate containers for disposal. Hydrogen peroxide may be decomposed by adding sodium metabisulfite or sodium sulfite after diluting to about 5%. Do not allow material to dry. Avoid generating mist.

6.4 Reference to Other Sections:

Refer to Section 8 for Personal Protective Equipment and Section 13 for Disposal information.

7. HANDLING AND STORAGE

7.1 Precautions for Safe Handling:

Avoid contact with the eyes, skin and clothing. Avoid breathing vapors or mists. Avoid temperatures above 32°C (90°F) to prevent liberation of oxygen. Wear protective clothing and equipment. Use with adequate ventilation. Wash thoroughly with soap and water after handling. Keep containers closed when not in use. Keep away from flammable and combustible materials.

Empty containers retain product residues and can be hazardous. Follow all SDS precautions when handling empty containers.

7.2 Conditions for Safe Storage, Including Any Incompatibilities:

Store in a cool, dry, well-ventilated area away from heat. Do not store on wooden floors. Protect from physical damage. Store separate from flammable and combustible materials.

7.3 Specific End Use (s): For professional use only.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters:

Occupational Exposure Limits:

Hydrogen Peroxide	United States	1 ppm TWA ACGIH TLV 1 ppm TWA OSHA PEL
	Germany	0.5 ppm TWA DFG MAK
	United Kingdom	None established
	France	1 ppm TWA French OEL
	Spain	1 ppm TWA Spanish OEL
	Italy	None established
	European Union	1 ppm TWA UK WEL 2 ppm STEL UK WEL

Biological Exposure Limits: None Established

8.2 Exposure Controls:

Appropriate Engineering Controls: Use with adequate general or local exhaust ventilation to maintain exposure levels below the occupational exposure limits.

Individual Protection Measures (PPE)



Specific Eye/face Protection: Chemical safety goggles recommended.

Specific Skin Protection: Wear impervious gloves such as rubber or nitrile.

Specific Respiratory Protection: In operations where exposure levels are exceeded, a full-facepiece respirator with organic vapor/acid gas cartridges or supplied air respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with applicable regulations and good industrial hygiene practice.

Specific Thermal Hazards: Not applicable

Recommended Personal Protective Equipment

EYES/FACE	SKIN	RESPIRATORY	THERMAL
			

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties:

Appearance:	Clear, colorless liquid	Explosive limits:	Not applicable
--------------------	-------------------------	--------------------------	----------------

Odor:	Odorless	Vapor pressure:	23
Odor threshold:	No data available	Vapor density:	Not applicable
pH:	≤3.7	Relative density:	1.13 @ 20°C
Melting/freezing point:	-27.4°F (-33°C)	Solubility:	100%
Initial boiling point and range:	226.4°F (108°C)	Partition coefficient: n-octanol/water:	Not available
Flash point:	Not applicable	Auto-ignition temperature:	Not applicable
Evaporation rate:	>1 (Butyl acetate = 1)	Decomposition temperature:	Not determined
Flammability:	Not flammable	Viscosity:	Not applicable
Explosive Properties:	None	Oxidizing Properties:	Strong oxidizer

9.2 Other Information: None available

10. STABILITY AND REACTIVITY

10.1 Reactivity: Will not polymerize.

10.2 Chemical Stability: Stable

10.3 Possibility of Hazardous Reactions: Reacts with heat to produce oxygen. May oxidize flammable or combustible materials generating heat which may cause fire.

10.4 Conditions to Avoid: Avoid excessive heat or contamination.

10.5 Incompatible materials: Keep away from flammable or combustible materials.

10.6 Hazardous Decomposition Products: Produces oxygen on decomposition.

11. TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects:

Potential Health Effects:

Eyes: Causes severe irritation with pain and tearing. May cause permanent eye damage, including blindness.

<u>Skin</u> : Causes skin irritation. May cause burns with prolonged exposure.
<u>Ingestion</u> : Swallowing may cause gastrointestinal distress and burns.
<u>Inhalation</u> : Inhalation of mists and vapors may cause irritation or burns to the upper respiratory tract.
Chronic Health Effects : None known.
Carcinogenicity : None of the components is listed as a carcinogen by IARC, NTP, OSHA, ACGIH or the CLP Annex VI.
Mutagenicity : No data available.
Medical Conditions Aggravated by Exposure : Employees with pre-existing eye and skin disorders may be at increased risk from exposure.
Acute Toxicity Data : Oral rat LD50 1074 mg/kg, Inhalation rat LC50: 5.71 mg/L/ 4 hr
Reproductive Toxicity Data : No data available.
Specific Target Organ Toxicity (STOT) : <u>Single Exposure</u> : May cause irritation to the upper respiratory tract. <u>Repeated Exposure</u> : None known.

12. ECOLOGICAL INFORMATION

12.1 Toxicity : Channel catfish 96 hr LC50: 37.4 mg/L; Fathead minnow 96 hr LC50: 16.4 mg/L; Daphnia magna 24 hr LC50: 7.7 mg/L; Daphnia pulex 48 hr LC50: 2.4 mg/L; Freshwater snail 96 hr LC50: 17.7 mg/L
12.2 Persistence and Degradability : No data available.
12.3 Bio-accumulative Potential : No data available.
12.4 Mobility in Soil : No data available.
12.5 Other Adverse Effects : No data available.
12.6 Results of PBT/vPvB Assessment : Not required

13. DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods :
Regulations : Dispose in accordance with local and national environmental regulations.
Properties (Physical/Chemical) Affecting Disposal : This product is a potential oxidizer
Waste Treatment Recommendations : Treat in accordance with local, state and federal environmental regulations

14. TRANSPORT INFORMATION

	14.1 UN Number	14.2 UN Proper Shipping Name	14.3 Hazard Class(s)	14.4 Packing Group	14.5 Environmental Hazards
DOT	LTD QTY	Limited Quantity Exception	None	PG II	No
ADR/RID	UN2014	Hydrogen Peroxide, Aqueous Solution	5.1 (8)	PG II	No
IMDG	UN2014	Hydrogen Peroxide, Aqueous Solution	5.1 (8)	PG II	Marine Pollutant-No
IATA/ICAO	UN2014	Hydrogen Peroxide, Aqueous Solution	5.1 (8)	PG II	No

14.6 Special precautions for user: Not applicable

14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code: Not applicable – product is transported only in packaged form.

15. REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture:

U.S. Federal Regulations

Comprehensive Environmental Response and Liability Act of 1980 (CERCLA): This product is not subject to CERCLA reporting requirements. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

Toxic Substances Control Act (TSCA): All of the ingredients in this product are listed on the EPA TSCA Inventory.

Clean Water Act (CWA): Not Listed

Clean Air Act (CAA): Not Listed

Superfund Amendments and Reauthorization Act (SARA) Title III Information:

SARA Section 311/312 (40 CFR 370) Hazard Categories:

Immediate Hazard:	Yes	Pressure Hazard:	No
Delayed Hazard:	No	Reactivity Hazard:	No
Fire Hazard:	Yes		

This product contains the following toxic chemical(s) subject to reporting requirements of SARA Section 313 (40 CFR 372):

Components	C.A.S. #	WT %
None		

State Regulations

California: This product contains the following chemicals(s) known to the State of California to cause cancer, birth defects or reproductive harm:

Components	C.A.S. #	WT %
None		

International Regulations

Canadian Environmental Protection Act: All the components of this product are listed on the Canadian DSL.

Canadian Workplace Hazardous Materials Information System (WHMIS): Class C Oxidizing material. Class D, Division 2B Toxic material causing other chronic effects.

EU REACH: The substances in this product comply with the EU REACH regulation as applicable.

16. OTHER INFORMATION

Full text of Classification abbreviations used in Section 2 and 3:

O Oxidizing

C Corrosive

Xn Harmful

Xi Irritant

R5 Heating may cause an explosion.

R8 Contact with combustible material may cause fire.

R20/22 Harmful by inhalation and if swallowed.

R35 Causes severe burns.

R37/38 Irritating to respiratory system and skin.

R41 Risk of serious damage to eyes.

Ox. Liq. 1 Oxidizing Liquid Category 1

Acute Tox. 4 Acute Toxicity Category 4

Skin Corr. 1A Skin Corrosion Category 1A

H271 May cause fire or explosion; strong oxidizer

H302 Harmful if swallowed

H314 Causes severe skin burns and eye damage

H332 Harmful if inhaled

Supersedes: 10 May 2012

Revision Summary: Comprehensive review, new format.

Date of SDS Preparation/Revision: 06 August 2014

Data Sources: US NLM ChemID Plus and HSDB, Substance SDS for components, IUCLID Dataset EU Chemical BureauESIS, Country websites for occupational exposure limits.