

Sultan Chemists  
Manufacturer MSDS Number:

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SECTION 1 : Chemical Product and Company Identification  
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Patterson Dental Supply Product Code: 76662159

MSDS Name: Hydrogen Peroxide 35%  
Manufacturer Name: Sultan Chemists  
Address:  
85 West Forest Avenue  
Englewood, NJ 07631  
USA

Emergency Tel. No.: (201) 871-1232

FOR CHEMICAL EMERGENCY CALL INFOTRAC: 1-800-535-5053  
24 Hrs. per day, 7 days per week

Manufacturer MSDS Revision Date:  
5/98  
Synonyms:  
Superoxol  
Chemical Family: Inorganic Peroxide  
HMIS  
Health Hazard: 2  
Fire Hazard: 0  
Reactivity: 1  
Personal Protection: 1

Size: 1 oz.

Chemical Name: Hydrogen Peroxide

Molecular Formula: H2O2

ISO 9001 REGISTERED

Hazard Rating:  
4 = Extreme  
3 = High  
2 = Moderate  
1 = Slight  
0 = Insignificant

Product Codes:  
11513

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SECTION 2 : Hazardous Ingredients/Identity Information  
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Chemical Name

Hydrogen Peroxide CAS#  
7722-84-1 Percent  
35% Strength

ACGIH TLV TWA: 1 ppm

LDLO: 1,429 gm/kg Oral Man.

Composition/Information:

This product contains the above toxic chemical subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372

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SECTION 3 : Physical And Chemical Characteristics  
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Physical State/Appearance:

Clear, liquid

Color:

Colorless

Odor:

Odorless

pH:

Neutral

Vapor Pressure:

23 mmHg/30 deg C

Boiling Point:

226 deg F

Melting Point:

Not applicable

Solubility:

In water: Miscible

Specific Gravity:

1.110

Percent Volatile:

100%

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SECTION 4 : Fire And Explosion Hazards  
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Flash Point:

Not Combustible

Extinguishing Media:

Water spray

Fire Fighting Instructions:

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Unusual Fire Hazards:

Strong oxidizer. Contact with other material may cause fire. Container explosion may occur under fire conditions.

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SECTION 5 : Health Hazards  
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Hydrogen Peroxide:

Route of Exposure:

Skin, mouth, nose

Potential Health Effects:

Eye Contact:

Can cause severe eye damage, even blindness; effects may not be immediate, may be delayed as much as a week.

Skin Contact:

Can cause temporary bleaching, redness, and blistering.

Swallow:

Swallowing: Results in the evolution of oxygen and may cause bleeding and injury to the stomach and esophagus as a result of sudden distention.

Chronic Health Effects:

None known.

Threshold limit value:

1 ppm, 8 hour time weighted average

Hydrogen Peroxide:

Ingestion Effects:

LDLO: 1,429 gm/kg Oral Man.

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SECTION 6 : Emergency And First Aid Procedures  
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Eye Contact:

Immediately flush with large amounts of water for at least 15 minutes, lifting upper and lower lids occasionally. Get immediate medical attention.

Skin Contact:

Immediately flush with water for at least 15 minutes, get medical attention and remove contaminated clothing. Launder contaminated clothing before re-use.

Inhalation:

Remove individual to fresh air. If tightness or congestion in chest develops, get medical attention.

Ingestion:

If swallowed, immediately drink two glasses of water and induce vomiting by either giving ipecac syrup or by placing finger at back of throat. Never give anything by mouth to an unconscious person. Get medical attention immediately.

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SECTION 7 : Reactivity Data  
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Chemical Stability:

Stable—avoid heat, open flame, and prolonged storage at elevated temperatures.

Conditions to Avoid:

Heat, open flame, and prolonged storage at elevated temperatures.

Incompatibilities with Other Materials:

Avoid Contact With: Reducing agents, ferrous metals

Hazardous Polymerization:

Will not occur

Hazardous Decomposition Products:

Water and Oxygen

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SECTION 8 : Precautions For Safe Handling  
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Environmental Precautions:

Precautions if material is spilled or released.

Large Spill:

Remove persons not wearing protective equipment. Stop spill at source, dike area to prevent spreading, pump liquid into salvage tank. Remaining liquid may be taken up on absorbent material and shoveled into containers. Notify authorities as required that a spill has occurred.

Small Spill:

Immediately soak up with perlite or vermiculite. Sweep up with non-sparking equipment.

Handling:

Corrosive. Keep tightly closed and keep away from combustible material, heat, sparks and open flame.

Refrigerate. May develop pressure.

Waste Disposal:

Dispose of in accordance with all local, state and federal regulations.

Transportation Information:

Proper Shipping Name: Hydrogen Peroxide, 35%  
Hazardous Classification: Corrosive liquid  
Identification Number: None  
Additional Labeling: Corrosive/Reactive liquid.

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SECTION 9 : Control Measures  
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Ventilation System:

Mechanical (General): Provided sufficient mechanical ventilation

Special: Face shield, 8-inch minimum

Local Exhaust:

Recommended

Other Exhaust Information:

Use in a chemical fume hood

Hand Protection Description:

Protective Gloves: Impervious

Eye/Face Protection:

Splash goggle

Respiratory Protection:

(Specify type): If exposure limits are exceeded a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. Engineering or administrative controls should be implemented to reduce exposure.

Other Protective:

Impervious clothing and boots.

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SECTION 10 : Other Information  
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Hydrogen Peroxide:

Section 313 Toxic Release Form:

This product contains the above toxic chemical subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372

HMIS:

Health Hazard: 2 = Moderate

Fire Hazard: 0 = Insignificant  
Reactivity: 1 = Slight  
Personal Protection: 1 = Slight

Label Hazard Warning:  
WARNING LABEL SECTION:

USE ONLY AS DIRECTED

AVOID CONTACT WITH EYES & SKIN

DO NOT MIX WITH OTHER CLEANERS OR CHEMICALS

CLEAN UP ALL SPILLS

AVOID CONTAMINATION WITH FOOD

KEEP CONTAINER TIGHTLY SEALED

DO NOT REFILL CONTAINER

PROVIDE ADEQUATE VENTILATION

USE EYE PROTECTION

FOR ORAL USE-NOT TO BE SWALLOWED

MSDS Revision Date:

5/98

Disclaimer:

NOTICE TO READER: All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, Sultan Chemists, Inc., assumes no responsibility for the completeness or accuracy of the information contained herein.

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