

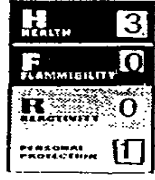


MSDS
MATERIAL SAFETY DATA SHEET

Sultan Chemists
85 West Forest Avenue
Englewood, NJ 07631
Emergency Tel. No.
(201) 871-1232
Date Issued: 11/2000
510K No. K990703

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

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



PRODUCT IDENTIFICATION

Product Name: Sporox ® II Sterilizing & Disinfecting Solution
Chemical Name: Mixture of hydrogen peroxide, phosphoric acid and inert ingredients
Molecular Formula: Mixture of inorganic components

HAZARDOUS INGREDIENTS

Components:
Hydrogen Peroxide : CAS # 7722-84-1; 7.5%; TWA: 1.4 mg/m3 from ACGIH (TLV)
TWA: 1 ppm from ACGIH (TLV)
TWA: 1.4 mg/m3 from OSHA
TWA: 1 ppm from OSHA
Phosphoric Acid : CAS # 7664-38-2; 0.85%; TWA: 1 STEL: 3 mg/m3 from ACGIH (TLV)
TWA: 1 mg/m3 from OSHA
Emergency overview: DANGER: Corrosive to eyes. Due to corrosive nature, may be harmful or fatal if swallowed. Do not get in eyes, on skin or on clothing. Use safety glasses and gloves.

PHYSICAL PROPERTIES

Boiling point: Not available Solubility in water: Complete
Specific gravity: 1.03 (Water= 1) pH = 1.8 (acidic)
Vapor pressure: Not available Viscosity: Not available
Appearance and odor: Yellowish, clear, water-thin liquid with peroxide odor

FIRE AND EXPLOSION DATA

Flammability: Not flammable
Flash point: Closed Cup: Higher than 93.3°C (>200°F)
Explosive limits in air: Not available
Extinguishing media: Use water spray to cool fire-exposed containers. Contains hydrogen peroxide, an oxidizer
Special fire fighting instructions: Wear self-contained breathing apparatus and protective clothing appropriate for fighting a chemical fire.
Products of combustion: Thermal decomposition products may include oxygen, carbon oxides, and nitrogen oxides.

HEALTH HAZARD DATA

Threshold Limit Value: Please see "Hazardous Ingredients" Section
Effect of exposure: Eye contact: Corrosive to eyes. Skin contact: Active oxygen in the product may temporarily whiten the skin on contact. Should whitening occur, the skin will return to normal within several minutes. Inhalation: None expected. Ingestion: Due to corrosive nature, may be harmful or fatal if swallowed.
Emergency and First Aid Procedures: Eye contact: Immediately flush eyes thoroughly with water, remove any contact lenses and continue to flush eyes with plenty of water for at least 15 minutes. Call a physician immediately.
Skin contact: Wash with plenty of soap and water and apply burn cream. Get medical

attention if irritation persists. Inhalation: None required.
Ingestion: Do not induce vomiting. If victim can swallow, give one glass of water to drink and call a poison control center or doctor IMMEDIATELY.
Note to physician: Probable mucosal damage may contraindicate the use of gastric lavage.

Carcinogenicity: Not listed as carcinogenic by OSHA, NTP or IARC.

REACTIVITY DATA

Stability: Stable
Conditions of instability: High temperatures.
Incompatibility/Avoid contact with: Heavy metals, organic materials, reducing agents, alkali.
Nickel/silver alloys and solder 70/30 may cause the concentration of hydrogen peroxide to decrease rapidly. May not be compatible with aluminum, solder 70/30, metallic carbide, nickel-plated steel, carbon steel and nickel-silver alloy.
Hazardous decomposition products: Oxygen, which will support combustion, may be released during thermal decomposition.
Hazardous polymerization: Will not occur.

SPILL OR LEAK PROCEDURE

Steps To Be Taken In Case Material Is Released or Spilled: Small spills may be flushed to sewer with large quantities of water if acceptable to local sewerage authority. Large spills should be contained, collected and evaluated for disposal according to local, state and federal hazardous waste regulations.
Waste Disposal Method: Dispose of in accordance with local, state, and federal regulations. Do not reuse empty container. Rinse empty container thoroughly with water. Discard in trash.
Non-hazardous waste per the California Code of Regulations Title 22, Chapter 11, Article 3.

SPECIAL PROTECTION INFORMATION

Respiratory protection: None required.
Ventilation requirements: None required.
Skin protection: Do not get on skin or clothing. Wear protective clothing, e.g. impervious gown and protective gloves such as chemically-resistant natural rubber, latex or vinyl.
Eye protection: Do not get in eyes. Wear face shield or goggles.
Other protection: Remove contaminated clothing and wash before reuse.

SPECIAL PRECAUTIONS

Precautions to be taken in handling and storage: Spills should be wiped up immediately. Contact with surfaces such as countertops, floors, etc. should be avoided. Store containers in an upright position in a cool, dry place in areas inaccessible to children.
Other Precautions: KEEP OUT OF REACH OF CHILDREN.

REQUIREMENTS FOR TRANSPORTATION

Proper Shipping Name: Not applicable
Hazardous Classification: Not a DOT controlled material (United States)
Identification Number: Not applicable
Reportable quantity: Not available
Maritime transportation: Not available
Special provisions for transport: Not available
TDG Classification: Not a TDG controlled material
ADR Classification: Not available
IMDG Classification: Not controlled under IMDG
IATA Classification: Not controlled under IATA.

REGULATORY INFORMATION

Federal and State Regulations: SARA Title III, Section 313 Toxic Chemical Notification and Release Reporting: None

California Proposition 65 : This product contains the following ingredients which require a warning under the Safe Drinking Water and Toxic Enforcement Act: None

Other Classifications: WHMIS (Canada) WHMIS Class C: Oxidizing material
WHMIS Class E: Corrosive liquid

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.

WARNING LABEL SECTION



USE ONLY AS DIRECTED



AVOID CONTACT WITH EYES & SKIN



DO NOT MIX WITH OTHER CLEANERS OR CHEMICALS



AVOID CONTAMINATION WITH FOOD



KEEP CONTAINER TIGHTLY SEALED



DO NOT REFILL CONTAINER



PROVIDE ADEQUATE VENTILATION



USE EYE PROTECTION



CLEAN UP ALL SPILLS