



SAFETY DATA SHEET

1. Identification of the Substance and Company

Spor-Klenz Ready to Use

Hard Surface Antimicrobial

Product No. 6525

MSDS No. 6525

Prepared by: M. Ebers

asksteris_msds@steris.com

Date Created: December 1, 2001

Date Revised: January 24, 2008

STERIS Corporation, P. O. Box 147, St. Louis, MO 63166, US
Emergency Telephone No. 1-314-535-1395 (STERIS); 1-800-424-9300 (CHEMTREC)
Telephone Number for Information: 1-800-444-9009 (Customer Service-Scientific Products)

STERIS Limited, STERIS House, Jays Close, Viabes, Basingstoke, Hampshire, RG22 4AX, UK
Emergency Phone No: +44 (0) 1895 622639
Product/Technical Information Phone No: +44 (0) 1256 840400

2. Hazards Identification: Irritant to skin. Corrosive to eyes.

3. Composition/Information on Ingredients

Hazardous Component(s)	EEC No.	CAS No.	% By Wt.	Symbol	R Phrases	Oral LD ₅₀	Inhalation LC ₅₀
Hydrogen Peroxide	231-765-0	7722-84-1	1.0	Xi	R36	1193 mg/kg (rat) at 35% solution	>0.17 mg/l (rat) at 50% solution
Peracetic acid	201-186-8	79-21-0	0.08	Xi	R36/37/38	330 mg/kg (bw) (rat)	0.3 – 0.35 mg/l/60 minutes
Acetic acid	200-580-7	64-19-7	<10	Xi	R36/38	3310 mg/kg (bw) (rat)	11.4 mg/l/4 hour

4. First Aid Measures

Eye and Skin: Flush with large amounts of water for at least 15-20 minutes. Remove contact lenses, if present, after the first five (5) minutes, then continue rinsing. If burn or irritation has occurred, seek medical attention. If clothing is contaminated, remove clothing, wash skin and wash clothing before reusing.

Ingestion: If swallowed, sip a glass of water if able to swallow. Do not attempt to induce vomiting.

Inhalation: If inhaled, move to fresh air.

5. Fire-Fighting Measures

Conditions of Flammability/Flash Point/Auto-ignition Temperature: NA

Upper Flammable Limit: NA **Lower Flammable Limit:** NA

Explosibility Data: ND

Extinguishing Media: Suitable for surrounding fire - water, foam, dry chemical, CO₂.

Special Fire Fighting Procedures: As with any chemical fire, the use of a self-contained breathing apparatus and full protective equipment is recommended.

Hazardous Combustion Products: Oxygen and heat. Do not mix with chlorinated products as this could liberate toxic corrosive chlorine gas.

6. Accidental Release Measures

Put on eye protection, protective gloves, boots, clothing and a respirator if air contamination is above the permitted levels. Contain the spill and neutralize with sodium bicarbonate or sodium carbonate. If allowed by federal, state or local regulatory authority, flush spill to the sewer. If mops, towels, paper towels or similar material is used, insure that these items are thoroughly rinsed with copious amounts of water. Do not reuse the liquid material.

7. Handling and Storage

7.1 Handling: Keep container closed, but vented when not in use.

7.2 Storage: Store in a cool, dry place below 75F(24C). Store unused product in original closed container, out of reach of children. Once the product has been removed, do not return to the original container.

8. Exposure Control/Personal Protection

8.1 Occupational Exposure Limits

Hydrogen peroxide: ACGIH TLV and OSHA PEL = 1 ppm; UK HSE EH40 STEL = 2 ppm; IDLH = 75 ppm

Acetic acid: ACGIH TLV and OSHA PEL = 10 ppm; UK HSE EH40 STEL = 15 ppm;

UK HSE EH40 LTEL = 10 ppm

8.2 Personal Protection

Eye Protection: Safety glasses/goggles/full face shield.

Protective Gloves: Rubber or plastic.

Other Protective Clothing and Equipment: Rubber apron and rubber boots.

Engineering Controls/Ventilation: Use only in well-ventilated area. If air contamination is above the permitted levels, use an NIOSH approved respirator.

9. Physical and Chemical Properties

Solubility in Water: Complete

Specific Gravity: Approximately 1.01

Physical State/Appearance/Odor: Clear, colorless liquid/acid odor. **pH (as distributed):** Approximately 1.5 - 2.0

Odor Threshold, Vapor Pressure, Vapor Density, Evaporation Rate, Boiling Point and Freezing Point: ND
Coefficient of Water/Oil Distribution: ND

10. Stability and Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur.

Incompatible Materials: Heavy metals including iron, copper, copper alloys, brass and aluminum, salts, flammable organics, alkalis, caustics, chlorine and formaldehyde.

Conditions to Avoid/Conditions of Reactivity: Avoid temperatures above 75F. Avoid contact with combustible materials.

Hazardous Decomposition or Byproducts: Oxygen and heat. Do not mix with chlorinated products as this could liberate toxic corrosive chlorine gas.

11. Toxicological Information

11.1 Acute (Primary Routes of Exposure)

Eyes (Irritancy): Causes irritation of eyes, and with greater exposures it can cause burns that may result in permanent impairment of vision.

Skin (Irritancy or Sensitization): Can cause irritation, including oxidation (i.e., whitening of the skin). Dermal LD₅₀(rat):>20,000 mg/kg.

Inhalation: May cause mild irritation to the upper respiratory tract. Symptoms may include sneezing, sore throat or runny nose.

Ingestion: Swallowing may cause burns of mouth, throat and stomach. Symptoms may include bleeding, vomiting, or diarrhea. Oral LD₅₀(rat)>5,000 mg/kg.

11.2 Long Term Exposure

Carcinogenicity: IARC, NTP and OSHA do not list this product or its ingredients as carcinogens.

Reproductive Toxicity/Teratogenicity/Mutagenicity/Toxicologically Synergistic Products: ND

12. Ecological Information: This product is toxic to birds, fish and aquatic invertebrates.

13. Disposal Considerations

Do not contaminate ponds, waterways or ditches with chemical or used containers. Empty containers should be rinsed thoroughly and discarded in an appropriate waste container. Disposal of unused product should be done in accordance with local and federal regulations. Product may be flushed to a sanitary sewer with copious amounts of water, if in accordance with state, local and federal regulations. For additional guidance, contact the State Water Board or the Regional Office of the EPA.

14. Transport Information

Ground/Air/Sea: Non-hazardous

Spor-Klenz Ready to Use

Hard Surface Antimicrobial

Product No. 6525

MSDS No. 6525

NFPA 704 HAZARD RATING:

HEALTH:	2
FIRE:	0
REACTIVITY:	0

15. Regulatory Information

EU Regulations: This preparation is classified as dangerous as defined by the UK Chemicals (Hazard Information and Packaging for Supply) Regulations. These regulations implement a number of EC Directives including the Dangerous Substances Directive (67/548/EEC and amendments), the Dangerous Preparations Directive (1999/45/EEC and amendments) and the Safety Data Sheets Directive (91/155/EEC and amendment).

EEC Classification: IRRITANT

Hazard Symbol: X_i

Risk Phrases: R38: Irritating to skin. R41: Risk of serious damage to eyes.

Safety Phrases: S2: Keep out of reach of children. S24/25: Avoid contact with skin and eyes. S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36/37/39: Wear suitable protective clothing, gloves and full eye/face protection. S50: Do not mix with chlorine.

US EPA Registration Number: 52252-7-1043

16. Other Information: The information on this sheet is not a specification and does not guarantee specific properties. The information is intended to provide general knowledge as to health and safety based upon our knowledge of the handling, storage and use of the product. It is not applicable to unusual or non-standard uses of the product or where instruction or recommendations are not followed.

NA - Not Applicable

ND - No Data