SAFETY DATA SHEET

1. Identification of the Substance and Company
Spor-Klenz Concentrate
Hard Surface Antimicrobial

NFPA 704 HAZARD RATING:
Product No. 6520
MSDS No. 6520

Prepared by: M. Ebers
Date Created: December 1, 2001
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Emergency Telephone No. 1-314-535-1395 (STERIS); 1-800-424-9300 (CHEMTREC)
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Product/Technical Information Phone No: +44 (0) 1256 840400

2. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Hazardous Component(s)</th>
<th>EEC No.</th>
<th>CAS No.</th>
<th>% By Wt.</th>
<th>Symbol</th>
<th>R Phrases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen Peroxide</td>
<td>231-765-0</td>
<td>7722-84-1</td>
<td>22.0</td>
<td>C</td>
<td>34</td>
</tr>
<tr>
<td>Peroxyacetic acid</td>
<td>201-186-8</td>
<td>78-21-0</td>
<td>4.5</td>
<td>XI / N</td>
<td>7, 36 / 38, 50</td>
</tr>
<tr>
<td>Acetic acid</td>
<td>200-580-7</td>
<td>64-19-7</td>
<td>&lt; 10</td>
<td>NA</td>
<td>NA</td>
</tr>
</tbody>
</table>

3. Hazard Identification: Corrosive and an oxidizer.

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
Flash Point: NA

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.

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 75°F (24°C). 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.

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: 1.13

Appearance/Odor: Clear colorless liquid/acid odor.

pH (as distributed): 0.5-1.1

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: Avoid temperatures above 75°F (24°C).

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

Skin: Can cause irritation or severe burns, including oxidation (i.e., whitening of the skin) or burns.

Inhalation: May cause mild irritation to serious damage of the upper respiratory tract, depending on severity of exposure. Symptoms may include sneezing, sore throat or runny nose. Inhalation LD₅₀ is <13,439 mg/m³.

Ingestion: May cause severe burns of mouth, throat and stomach. Severe scarring of tissue may result. Symptoms may include bleeding, vomiting, diarrhea, fall in blood pressure.

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

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: Hydrogen peroxide and Peroxyacetic acid mixture stabilized, 5.1(Oxidizer), 8 (Corrosive), UN3149, PGII
Road/Rail: ADR/RID Class: UN3149, Hydrogen peroxide and Peroxyacetic acid mixture stabilized, Oxidizer, Corrosive, 5.1, 8, PGII
Sea: IMDG Class: Hydrogen peroxide and Peroxyacetic acid mixture, Oxidizer, Corrosive, 5.1, 8, UN3149, PGII
Air: ICAO/IATA Class: Product containers are vented; therefore, product cannot be shipped by air.

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 (99/45/EC and amendments) and the Safety Data Sheets Directive (91/155/EC and amendment).

EEC Classification: CORROSIVE / DANGEROUS FOR THE ENVIRONMENT

 hazard Symbol: C / N

Risk Phrases: R34: Causes burns, R50: Very toxic to aquatic animals.


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