This SDS packet was issued with item:
076610059

N/A
Material Safety Data Sheet

Sterilex Liquid Ultra Solution 2

1 – Product and Company Information

Product Name: Sterilex Liquid Ultra Solution 2
Chemical Family: Cleaning Compound, Liquid (Non-Hazardous)
Company: THE STERILEX CORPORATION
11409 Cronhill Drive Ste L
Owings Mills, MD 21117
Information Phone Number: (800) 511-1659
Emergency Phone Number: (800) 255-3924
DOT ID: Not Regulated
EPA registration number: 63761-6

2 - Hazardous Ingredients/Identity Information

<table>
<thead>
<tr>
<th>Hazardous Components</th>
<th>CAS Number</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Alkyl(C12, C14, C16, C18)-dimethylbenzylammonium chloride</td>
<td>68391-01-5</td>
<td>None Established</td>
<td>None Established</td>
</tr>
<tr>
<td>n-Alkyl(C12, C14)-dimethylethyl benzylammonium chloride</td>
<td>85406-23-0</td>
<td>None Established</td>
<td>None Established</td>
</tr>
</tbody>
</table>

3 - Physical/Chemical Characteristics

Boiling Point: > 212°F
Vapor Pressure (mm Hg): Unknown
Vapor Density (air=1): Unknown
Solubility in Water: Complete
Appearance and Odor: Clear, colorless liquid
No appreciable odor
Specific Gravity: 1.0 to 1.2
Melting Point: NA
Evaporation Rate (water=1): < 1
pH: 9 to 11
NOTE: NA = Not Applicable

4 - Fire and Explosion Hazard Data

Flash Point: NA
UEL: NA
Flammable Limits LEL: NA
Method Used: NA
Extinguishing Media: This product is not combustible. Use extinguishing media suitable for surrounding materials.

Special Fire Fighting Procedures or Explosion Hazards: This product requires no known special procedures during a fire. Fire fighters should be protected from direct physical contact with the product, since the exact nature and amounts of possible contaminants during a fire will be unknown.

5 - Reactivity Data

Stability: Stable
Conditions to Avoid: Excessive heat
Incompatibility (Materials to Avoid): Strong reducing agents.
Hazardous Decomposition or Byproducts: Extreme thermal decomposition could result in the formation of oxides of carbon.
6 - Health Hazard Data

Route(s) of Entry: (Evaluated by probability of entry occurring.)

<table>
<thead>
<tr>
<th>Inhalation?</th>
<th>Absorption?</th>
<th>Ingestion?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Strong</td>
<td>Strong</td>
<td>Unlikely</td>
</tr>
<tr>
<td>(Via Skin/Eye Contact)</td>
<td>(With good hygienic practice)</td>
<td></td>
</tr>
</tbody>
</table>

Health Hazards (Acute and Chronic)

Acute and chronic health hazards are difficult to accurately assess for mixtures. In general, see this and the “Signs and Symptoms” section for acute effects. Long term effects would have to be derived from these immediate results. Specific chronic effects can be studied from the individual hazardous chemicals as indicated under Section 2 as the best guess without extensive laboratory studies.

Carcinogenicity

<table>
<thead>
<tr>
<th>NTP?</th>
<th>IARC Monographs?</th>
<th>OSHA Regulated?</th>
</tr>
</thead>
<tbody>
<tr>
<td>None known</td>
<td>None known</td>
<td>None known</td>
</tr>
</tbody>
</table>

Signs and Symptoms of Exposure

Can cause strong skin irritation, severe eye and mucous membrane irritant.

Medical Conditions Generally Aggravated by Exposure

A knowledge of the available toxicology information and the physical properties of the material suggest that exposure is unlikely to aggravate an existing medical condition; however, chemically sensitive individuals may develop a skin rash or irritation upon use, handling, or minor contact. Due to the widely varying uses and personal exposures possible, an individual will have to evaluate their particular situation.

Emergency and First Aid Procedures

**EYES:** Immediately flush eyes with water or eye wash solution for at least 15 minutes. Seek medical attention as soon as possible. FAST RESPONSE DURING THE FIRST MINUTE after eye contact is critical for preventing possible permanent eye damage.

**SKIN:** Wash twice with soap and warm water for at least 15 minutes. If any pain or irritation persists, see a doctor.

**INHALATION:** Remove to fresh air, give oxygen if needed, or artificial respiration to maintain breathing. Get a doctor if indicated. Do not leave victim unattended.

**INGESTION:** Wash out mouth and other contacting parts with water. Never give anything to an unconscious person. If conscious, DO NOT induce vomiting. Give one or two glasses of water, milk or milk of magnesia.

7 - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled

Wipe up small spills with disposable towel and dispose as ordinary waste.

Waste Disposal Method

Since State and local laws and some Federal regulations vary greatly from situation to situation, and since these materials are mixtures, no one preferred waste disposal method can be given. However, one must keep in mind that these types of products, in a highly diluted or completely neutralized state, present no particular environmental hazard and can be treated as ordinary waste and discharged to a sanitary sewer. If a river, lake, stream, creek or watershed may contaminate drinking water or well water, do not discharge the product or its effluent. Any discharge must be specifically permitted by the proper authorities, such as DER, DEP or EPA, depending on your local and state laws.

Precautions to be Taken in Handling and Storage

SPECIAL PRECAUTIONS:

- Do not subject product to excessive heat.
- Do not mix with anything other than Sterilex Ultra Liquid Solution 1.
- Do not allow contamination of product with any foreign material.
- Do not store in direct sun.
- Keep container closed when not in use.
- Do not exceed container integrity (i.e. improper double or triple decked of palletized goods).
Other Precautions

Keep out of reach of children. Do not contaminate foodstuffs. Mix only with water. Launder all contaminated clothing before re-use. Discard any gloves, boots, and other articles that cannot be properly cleaned. ALWAYS wash thoroughly with soap and water after handling or working with chemicals, especially before eating, drinking, smoking, or using a restroom. Do not wear contact lens while handling this product.

8 – Exposure Control/PPE

Respiratory Protection (Specific Type): None Needed

Engineering Controls
- Local Exhaust: Recommended
- Mechanical Exhaust: Usually sufficient

Protective Gloves
- Light rubber gloves e.g. latex are recommended.

Eye Protection
- Chemical splash goggles are always recommended, as are eyewash fountains where irritating chemicals are being handled.

Other Protective Clothing or Equipment
- Wear long sleeve shirts and pants.

Work/Hygienic Practices
- Always wash thoroughly with soap and water after handling or working with chemicals, especially before eating, drinking, smoking or using a restroom. Launder dirty uniforms regularly.

9 - Documentary Information

Comments
- This document was prepared in accordance with 29 CFR 1910.1200. All information, recommendations and suggestions appearing herein concerning this product are based upon tests and data believed to be reliable. However, it is the user’s responsibility to determine safety, toxicity and suitability for his own use of the product described herein. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by Sterilex as to the effects of such use, the results to be obtained, or the safety and toxicity of this product, nor does Sterilex assume any liability arising out of use by others of this product. Nor is the information herein to be construed as absolutely complete, since additional information may be necessary or desirable when particular or exceptional circumstances exist or because of applicable laws or government regulations.

- Seller assumes no responsibility for injury to buyer or to third parties or for any damage to property. Buyer assumes all risks.

- Buyer also assumes responsibility for disposal of all products, as a result of using this product, as a residue, as a leftover, or as another resultant product of which this product was a part.

10 - Regulatory Information

CERCLA Status: NA

FIFRA: Sterilex Ultra Liquid Solution 2 is registered with the EPA (EPA reg.no 63761-6), in accordance with section 3 of FIFRA, as a pesticide product.

RCRA Status: NA

SARA Title III CERCLA List: NA

SARA Section 313 Toxic Chemicals (per 40 CFR 372): None

TSCA Inventory Status: All components are listed on TSCA Inventory.
1 Identification

• **Product identifier**
  • Trade name: Sterilex Ultra-Kleen Solution 1
  • Article number: 63761-3
• **Recommended use and restriction on use**
  • Recommended use: Biocide Solution
  • Restrictions on use: No relevant information available.

Details of the supplier of the Safety Data Sheet

• Manufacturer/Supplier:
  Sterilex Corporation
  111 Lake Front Drive
  Hunt Valley MD 21030
  410-541-8800

• Emergency telephone number:
  ChemTel Inc.+1 (800)255-3924, +1 (813)248-0585

2 Hazard(s) identification

• **Classification of the substance or mixture**
  Skin Corr. 1B  H314 Causes severe skin burns and eye damage.

• **Additional information:**
  Concentrated product is corrosive as shown in this document. When diluted at least 1:1 (50% or less solution) with water, product is non-hazardous.

• **Label elements**
  • GHS label elements
    The product is classified and labeled according to the Globally Harmonized System (GHS).

• **Hazard pictograms:**
  ![GHS05]

• **Signal word:** Danger

• **Hazard-determining components of labeling:**
  Alkyl (C12,C14,C16) Dimethyl Benzyl Ammonium Chloride
  Alkyl dimethyl ethyl benzyl ammonium chloride

• **Hazard statements:**
  H314 Causes severe skin burns and eye damage.

• **Precautionary statements:**
  P260 Do not breathe mist/vapors/spray.
  P264 Wash thoroughly after handling.
  P280 Wear protective gloves/protective clothing/eye protection.
  P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

(Cont'd. on page 2)
Trade name: Sterilex Ultra-Kleen Solution 1

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/doctor.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P363 Wash contaminated clothing before reuse.
P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Classification system
- NFPA ratings (scale 0 - 4)
  - Health = 3
  - Fire = 0
  - Reactivity = 0
- HMIS-ratings (scale 0 - 4)
  - Health = 3
  - Fire = 0
  - Reactivity = 0

Other hazards There are no other hazards not otherwise classified that have been identified.

3 Composition/information on ingredients
- Chemical characterization: Mixtures
  Components:
  - 7722-84-1 hydrogen peroxide
    - Ox. Liq. 1, H271
    - Skin Corr. 1A, H314
    - Acute Tox. 4, H302; Acute Tox. 4, H332; STOT SE 3, H335
    - 5.5-7.2%
  - 85409-23-0 Alkyl dimethyl ethyl benzyl ammonium chloride
    - Skin Corr. 1B, H314; Eye Dam. 1, H318
    - Acute Tox. 4, H302
    - 2.5-3.5%
  - 68391-01-5 Alkyl (C12,C14,C16) Dimethyl Benzyl Ammonium Chloride
    - Skin Corr. 1B, H314; Eye Dam. 1, H318
    - Acute Tox. 4, H302
    - 2.5-3.5%

Additional information:
For the wording of the listed Hazard Statements refer to section 16.
For the listed ingredient(s), the identity and/or exact percentage(s) are being withheld as a trade secret.

4 First-aid measures
- Description of first aid measures
  - After inhalation: Supply fresh air; consult doctor in case of complaints.
  - After skin contact:
    - Immediately remove any clothing soiled by the product.
Trade name: Sterilex Ultra-Kleen Solution 1

Immediately rinse with water.
If skin irritation continues, consult a doctor.
Seek immediate medical help for blistering or open wounds.

- **After eye contact:**
  - Remove contact lenses if worn, if possible.
  - Rinse opened eye for several minutes under running water. Then consult a doctor.

- **After swallowing:**
  - Rinse out mouth and then drink plenty of water.
  - Do not induce vomiting; immediately call for medical help.

**Most important symptoms and effects, both acute and delayed:**
Strong caustic effect on skin and mucous membranes.
Coughing
Breathing difficulty
Nausea
Cramp

- **Danger:**
  - Danger of gastric perforation.
  - Danger of impaired breathing.
  - Causes serious eye damage.
  - Danger of disturbed cardiac rhythm.

**Indication of any immediate medical attention and special treatment needed:**
If necessary oxygen respiration treatment.
Medical supervision for at least 48 hours.

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5 Fire-fighting measures

- **Extinguishing media**
  - **Suitable extinguishing agents:**
    - The product is not flammable.
    - Use fire fighting measures that suit the environment.
  - **For safety reasons unsuitable extinguishing agents:** None.

- **Special hazards arising from the substance or mixture**
  - Formation of toxic gases is possible during heating or in case of fire.

- **Advice for firefighters**
  - **Protective equipment:**
    - Wear self-contained respiratory protective device.
    - Wear fully protective suit.

---

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:**
  - Wear appropriate NIOSH respirator when ventilation is inadequate and occupational exposure limits are exceeded.

- **Environmental precautions:**
  - Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Trade name: Sterilex Ultra-Kleen Solution 1

Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Pick up mechanically.
Send for recovery or disposal in suitable receptacles.

Reference to other sections:
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

Handling
Precautions for safe handling:
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
Avoid splashes or spray in enclosed areas.

Information about protection against explosions and fires:
Keep respiratory protective device available.

Conditions for safe storage, including any incompatibilities

Storage
Requirements to be met by storerooms and receptacles:
Avoid storage near extreme heat, ignition sources or open flame.
Unsuitable material for receptacle: aluminium.
Unsuitable material for receptacle: steel.

Information about storage in one common storage facility:
Avoid direct contact with oxidizing agents and strong acids.

Further information about storage conditions:
Store in cool, dry conditions in well sealed receptacles.
Storage Temperatures: <140 °F / <60 °C.
Specific end use(s): No relevant information available.

8 Exposure controls/personal protection

Control parameters

Components with limit values that require monitoring at the workplace:

<table>
<thead>
<tr>
<th>Component</th>
<th>Limit Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>7722-84-1 hydrogen peroxide</td>
<td></td>
</tr>
<tr>
<td>PEL (USA)</td>
<td>Long-term value: 1.4 mg/m³, 1 ppm</td>
</tr>
<tr>
<td>REL (USA)</td>
<td>Long-term value: 1.4 mg/m³, 1 ppm</td>
</tr>
<tr>
<td>TLV (USA)</td>
<td>Long-term value: 1.4 mg/m³, 1 ppm</td>
</tr>
<tr>
<td>EL (Canada)</td>
<td>Long-term value: 1 ppm</td>
</tr>
<tr>
<td>EV (Canada)</td>
<td>Long-term value: 1.4 mg/m³, 1 ppm</td>
</tr>
<tr>
<td>LMPE (Mexico)</td>
<td>Long-term value: 1 ppm</td>
</tr>
</tbody>
</table>

A3
42.0.18

- Exposure controls
- Personal protective equipment:
  - General protective and hygienic measures:
    The usual precautionary measures for handling chemicals should be followed.
    Keep away from foodstuffs, beverages and feed.
    Immediately remove all soiled and contaminated clothing.
    Wash hands before breaks and at the end of work.
    Avoid contact with the eyes and skin.
    Do not inhale gases / fumes / aerosols.
- **Engineering controls:** No relevant information available.
- **Breathing equipment:**
  Not required under normal conditions of use.
  Wear appropriate NIOSH respirator when ventilation is inadequate and occupational exposure limits are exceeded.
  For spills, respiratory protection may be advisable.
- **Protection of hands:**
  Protective gloves
  The glove material has to be impermeable and resistant to the product / the substance / the preparation.
- **Eye protection:**
  Safety glasses
- **Body protection:** Protective work clothing
- **Limitation and supervision of exposure into the environment**
  No relevant information available.
- **Risk management measures** See Section 7 for additional information.

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9 Physical and chemical properties

- **Information on basic physical and chemical properties**
  - **Appearance:**
    - **Form:** Liquid
    - **Color:** Colorless
  - **Odor:** Odorless
  - **Odor threshold:** Not determined.
  - **pH-value:** 3.01 - 5.86
  - **Melting point/Melting range:** Not determined.
  - **Boiling point/Boiling range:** 100 °C (212 °F)
  - **Flash point:** Not applicable.
  - **Flammability (solid, gaseous):** Not applicable.

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Obtained by Global Safety Management, www.globalsafetynet.com (877) 683-7460
42.0.18

- Auto-ignition temperature: Not determined.
- Decomposition temperature: Not determined.
- Auto igniting: Product is not self-igniting.
- Danger of explosion: Product does not present an explosion hazard.

<table>
<thead>
<tr>
<th>Explosion limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lower:</td>
</tr>
<tr>
<td>Not determined.</td>
</tr>
<tr>
<td>Upper:</td>
</tr>
<tr>
<td>Not determined.</td>
</tr>
</tbody>
</table>

- Vapor pressure at 20 °C (68 °F): 23 hPa (17 mm Hg)
- Density at 20 °C (68 °F): 1 g/cm³ (8.345 lbs/gal)
- Relative density: Not determined.
- Vapor density: Not determined.
- Evaporation rate: Not determined.

- Solubility in / Miscibility with Water: Fully miscible.
- Partition coefficient (n-octanol/water): Not determined.

- Viscosity
  - Dynamic: Not determined.
  - Kinematic: Not determined.

- Other information: No relevant information available.

10 Stability and reactivity

- Reactivity: No relevant information available.
- Chemical stability:
- Thermal decomposition / conditions to be avoided:
  No decomposition if used and stored according to specifications.
  To avoid thermal decomposition, do not overheat.
- Possibility of hazardous reactions:
  Toxic fumes may be released if heated above the decomposition point.
  Reacts with strong oxidizing agents.
  Reacts with certain metals.
- Conditions to avoid:
  Keep away from heat and direct sunlight.
  Prevent from drying out.
  Avoid direct contact with oxidizing agents and strong acids.
- Incompatible materials: No relevant information available.
- Hazardous decomposition products:
  Carbon monoxide and carbon dioxide
  Chlorine compounds
11 Toxicological information

- Information on toxicological effects
- Acute toxicity:
  - LD/LC50 values that are relevant for classification:
    | Compound | Oral LD50 | Inhalative LC50/4h |
    |-----------|-----------|--------------------|
    | 7722-84-1 hydrogen peroxide | 376 mg/kg (rat) | 85409-23-0 Alkyl dimethyl ethyl benzyl ammonium chloride |
    | 85409-23-0 Alkyl dimethyl ethyl benzyl ammonium chloride | 350 mg/kg (rat) | |
    | 68391-01-5 Alkyl (C12,C14,C16) Dimethyl Benzyl Ammonium Chloride | 3000 mg/kg (rabbit) | |

- Primary irritant effect:
  - On the skin: Caustic effect on skin and mucous membranes.
  - On the eye: Strong caustic effect.
  - Sensitization: No sensitizing effects known.

- IARC (International Agency for Research on Cancer): None of the ingredients are listed.
- NTP (National Toxicology Program): None of the ingredients are listed.
- OSHA-Ca (Occupational Safety & Health Administration): None of the ingredients are listed.

- Probable route(s) of exposure: Skin contact.
- Acute effects (acute toxicity, irritation and corrosivity): Causes severe skin burns and eye damage.
- Repeated dose toxicity: No relevant information available.
- CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
  - Germ cell mutagenicity: Based on available data, the classification criteria are not met.
  - Carcinogenicity: Based on available data, the classification criteria are not met.
  - Reproductive toxicity: Based on available data, the classification criteria are not met.
  - STOT-single exposure: Based on available data, the classification criteria are not met.
  - STOT-repeated exposure: Based on available data, the classification criteria are not met.
  - Aspiration hazard: Based on available data, the classification criteria are not met.

12 Ecological information

- Toxicity
  - Aquatic toxicity The product contains materials that are harmful to the environment.
  - Persistence and degradability No relevant information available.
  - Bioaccumulative potential: May be accumulated in organism
  - Mobility in soil: No relevant information available.
- Ecotoxicological effects:
  - Remark: After neutralization a reduction of the harming action may be recognized
13 Disposal considerations

- **Waste treatment methods**
  - **Recommendation:**
    The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

- **Uncleaned packagings**
  - **Recommendation:**
    Disposal must be made according to official regulations.
    Packagings that cannot be cleansed are to be disposed of in the same manner as the product.
  - **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

- **UN-Number**
  - DOT, ADR, IMDG, IATA: UN1760

- **UN proper shipping name**
  - Limited Quantity for packages less than 30 kg (66 lb) and inner packagings less than 5 L (1.3 gal).
  - **DOT**
    - Corrosive Liquids, n.o.s. (Quaternary ammonium compound)
  - **ADR**
    - 1760 CORROSIVE LIQUID, N.O.S. (Quaternary ammonium compound)
  - **IMDG**
    - CORROSIVE LIQUID, N.O.S. (Quaternary ammonium compound)
  - **IATA**
    - Corrosive Liquid, n.o.s. (Quaternary ammonium compound)
### Trade name: Sterilex Ultra-Kleen Solution 1

#### Transport hazard class(es)
- **DOT**
  - Class: 8 Corrosive substances
  - Label: 8
- **ADR**
  - Class: 8 (C9) Corrosive substances
  - Label: 8
- **IMDG, IATA**
  - Class: 8 Corrosive substances
  - Label: 8

#### Packing group
- DOT, ADR, IMDG, IATA: III

#### Environmental hazards
- Marine pollutant: No

#### Special precautions for user
- **Warning:** Corrosive substances
- Danger code (Kemler): 80
- EMS Number: F-A,S-B

#### Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
- Not applicable.

### 15 Regulatory information
- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
  - United States (USA)
  - SARA
  - **Section 355 (extremely hazardous substances):**
    - 7722-84-1 hydrogen peroxide

(Cont’d. on page 10)
### Trade name: Sterilex Ultra-Kleen Solution 1

<table>
<thead>
<tr>
<th>Section 313 (Specific toxic chemical listings):</th>
<th>None of the ingredients are listed.</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSCA (Toxic Substances Control Act)</td>
<td>All ingredients are listed.</td>
</tr>
<tr>
<td>Proposition 65 (California)</td>
<td></td>
</tr>
<tr>
<td>Chemicals known to cause cancer:</td>
<td>None of the ingredients are listed.</td>
</tr>
<tr>
<td>Chemicals known to cause reproductive toxicity for females:</td>
<td>None of the ingredients are listed.</td>
</tr>
<tr>
<td>Chemicals known to cause reproductive toxicity for males:</td>
<td>None of the ingredients are listed.</td>
</tr>
<tr>
<td>Chemicals known to cause developmental toxicity:</td>
<td>None of the ingredients are listed.</td>
</tr>
<tr>
<td>Carcinogenic categories</td>
<td></td>
</tr>
<tr>
<td>EPA (Environmental Protection Agency):</td>
<td></td>
</tr>
<tr>
<td>85409-23-0 Alkyl dimethyl ethyl benzyl ammonium chloride Registered.</td>
<td></td>
</tr>
<tr>
<td><strong>Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA)</strong></td>
<td></td>
</tr>
<tr>
<td>EPA Product Registration #: 63761-8.</td>
<td></td>
</tr>
<tr>
<td>This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:</td>
<td></td>
</tr>
<tr>
<td><strong>DANGER</strong></td>
<td></td>
</tr>
<tr>
<td><strong>CORROSIVE</strong></td>
<td></td>
</tr>
<tr>
<td>Causes irreversible eye damage and skin burns.</td>
<td></td>
</tr>
<tr>
<td>Harmful if swallowed.</td>
<td></td>
</tr>
<tr>
<td>Harmful in contact with skin.</td>
<td></td>
</tr>
<tr>
<td>May be fatal if inhaled.</td>
<td></td>
</tr>
<tr>
<td>This pesticide is toxic to fish</td>
<td></td>
</tr>
<tr>
<td><strong>IARC (International Agency for Research on Cancer):</strong></td>
<td></td>
</tr>
<tr>
<td>7722-84-1 hydrogen peroxide 3</td>
<td></td>
</tr>
<tr>
<td><strong>NIOSH-Ca (National Institute for Occupational Safety and Health):</strong></td>
<td></td>
</tr>
<tr>
<td>None of the ingredients are listed.</td>
<td></td>
</tr>
<tr>
<td><strong>Canadian substance listings</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Canadian Domestic Substances List (DSL):</strong></td>
<td>All ingredients are listed.</td>
</tr>
<tr>
<td><strong>Chemical safety assessment:</strong> A Chemical Safety Assessment has not been carried out.</td>
<td></td>
</tr>
</tbody>
</table>

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

(Cont'd. on page 11)
Trade name: Sterilex Ultra-Kleen Solution 1

Date of preparation / last revision 04/08/2016 / -

Abbreviations and acronyms:
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
Ox. Liq. 1: Oxidising Liquids, Hazard Category 1
Acute Tox. 4: Acute toxicity, Hazard Category 4
Skin Corr. 1A: Skin corrosion/irritation, Hazard Category 1A
Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B
Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

Sources
Website, European Chemicals Agency (echa.europa.eu)
Website, US EPA Substance Registry Services (ofmpub.epa.gov/sor internet/registry/substreg/home/overview/home.do)
Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)
Safety Data Sheets, Individual Manufacturers
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