

# SAFETY DATA SHEET

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identity:** FlexClean 895

**Recommended use of the chemical and restrictions on use:** Pre-cleaning detergent used to pre-clean endoscopes and other heat sensitive devices that will be reused. It is intended for manual and automatic cleaning systems

**Supplier:** Alden Medical, LLC  
360 Cold Spring Avenue  
West Springfield, MA 01089  
USA  
(800) 726-2308 +1 301-330-7597 Fax (301) 330-6432

**Emergency Phone:** 800-441-8227  
**SDS Date of Preparation:** 12/24/2014

## 2. HAZARDS IDENTIFICATION

### GHS Classification:

Physical:	Health:	Environmental
Not hazardous	Eye Corrosion Category 1 Skin Corrosion Category 1C	Not Hazardous

### GHS Label Elements:

Danger! Contains Alkyl Ammonium Chlorides and D-Glucopyranose, oligomers, decyl octyl glycosides.



### Statements of Hazard

H314 Causes severe skin burns and eye damage.

### Prevention

P260 Do not breathe mists.  
P264 Wash thoroughly after handling.  
P280 Wear protective gloves, protective clothing, eye protection and face protection.

### Storage

P405 Store locked up.

### Disposal

P501 Dispose of contents and container in accordance with local and national regulations.

### Response

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P310 Immediately call a POISON CENTER or doctor.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with soap and water. P310 Immediately call a POISON CENTER or doctor. P363 Wash contaminated clothing before reuse.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P310 Immediately call a POISON CENTER or doctor.

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 or doctor.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Amount
Alkyl Ammonium Chlorides	Proprietary	<6%
D-Glucopyranose, oligomers, decyl octyl glycosides	68515-73-1	<2%
Ethanol	64-17-5	<2%
Non-Hazardous Ingredients	Mixture	>90%

The exact percentage and/or specific chemical identity is a trade secret.

### 4. FIRST AID MEASURES

**Eye:** Immediately flush eyes with plenty of water for at least 20 minutes while holding the eyelids apart. Remove contact lenses, if present and easy to do after the first 5 minutes, then continue flushing. Get immediate medical attention.

**Skin:** Immediately flush skin with plenty of water for 15 minutes while removing contaminated clothing and shoes. Get immediate medical attention. Launder clothing before re-use. (Discard contaminated shoes).

**Ingestion:** Do not induce vomiting. If conscious, rinse mouth with a small amount of water and give one glass of water to dilute. Never give anything by mouth to an unconscious or drowsy person. Get immediate medical attention.

**Inhalation:** Remove victim to fresh air. Give artificial respiration if needed. If breathing is difficult, oxygen should be administered by qualified personnel. Get immediate medical attention.

**Most important Symptoms:** May cause severe eye and skin irritation and burns. Permanent damage may occur. Inhalation of vapor or mists may cause irritation or burns to the nose, throat and upper respiratory tract. Swallowing may cause burns to the mouth, throat and stomach with abdominal pain, nausea and vomiting.

**Indication of immediate medical attention/special treatment:** Immediate medical attention is required for eye and skin contact.

### 5. FIRE FIGHTING MEASURES

**Suitable (and Unsuitable) Extinguishing Media:** Use media appropriate for surrounding fire. Cool fire exposed containers and structures with water.

**Specific hazards arising from the chemical:** Combustion may produce toxic and corrosive vapors.

**Special Protective Equipment and Precautions for Fire-Fighters:** Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing. Cool fire exposed containers with water spray. Contain water used in firefighting from entering sewers or natural waterways.

**Explosion Data (sensitivity to mechanical impact or static discharge):** None known.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment, and Emergency Procedures:** Evacuate spill area and keep unprotected personnel away. Ventilate the area. Prevent contact with the eyes and skin. Wear appropriate protective clothing as described in Section 8. Avoid releases to the environment.

**Methods and Materials for Containment and Cleaning Up:** Contain and recover liquid if possible or absorb with an inert material. Place in a suitable container for disposal. Report releases as required by local, state and federal authorities.

**7. HANDLING AND STORAGE**

**Precautions for Safe Handling:** Prevent contact with the eyes and skin. Do not breathe vapors or mists. Wear protective clothing and equipment. Use only with adequate ventilation. Wash thoroughly with soap and water after handling. Wash contaminated clothing before reuse.

Do not reuse containers. Empty containers retain product residues which can be hazardous. Follow all SDS precautions when handling empty containers.

**Conditions for Safe Storage, Including Any Incompatibilities:** Store in a cool, well-ventilated area away from acids and other incompatible materials. Keep container closed when not in use.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines:**

Alkyl Ammonium Chlorides	None Established
D-Glucopyranose, oligomers, decyl octyl glycosides	None Established
Ethanol	1000 ppm TWA OSHA PEL 1000 ppm STEL ACGIH TLV 500 ppm TWA DFG MAK

**Engineering Controls:** Use with adequate general or local exhaust ventilation to maintain exposure levels below the occupational exposure limits.

**Respiratory Protection:** No respiratory protection is needed with adequate ventilation. In operations where the occupational exposure limits are exceeded, an approved respirator with organic vapor cartridges or supplied air respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

**Skin Protection:** Impervious gloves recommended to prevent skin contact. Contact glove manufacturer for specific information on glove selection and use.

**Eye Protection:** Chemical safety goggles and face shield recommended.

**Other:** Impervious clothing may be required to prevent skin contact and contamination of personal clothing. An eye wash and safety shower should be available in the immediate work area.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance and Odor:** Clear blue liquid with a slight lemon odor.

<b>Physical State:</b> Liquid	<b>Odor Threshold:</b> Not available
<b>Vapor Density:</b> same as water	<b>Initial Boiling Point/Range:</b> 212°F / 100°C
<b>Relative Density:</b> Not determined	<b>Vapor Pressure:</b> same as water
<b>Melting/Freezing Point:</b> 32°F / 0°C	<b>Evaporation Rate:</b> same as water
<b>VOC Content:</b> Not determined	<b>pH:</b> 7.0 – 8.0
<b>Solubility:</b> Soluble in water	<b>Octanol/Water Coefficient:</b> Not available
<b>Viscosity:</b> Not determined	<b>Decomposition Temperature:</b> Not available
<b>Flashpoint:</b> Not flammable	<b>Flammability (solid, gas):</b> Not applicable
<b>Flammable Limits: LEL:</b> Not determined	<b>Autoignition Temperature:</b> Not applicable
<b>UEL:</b> Not determined	

## 10. STABILITY AND REACTIVITY

**Reactivity:** Not normally reactive.

**Chemical Stability:** Stable under normal storage and handling conditions.

**Possibility of Hazardous Reactions:** None known.

**Conditions to Avoid:** Avoid excessive heat.

**Incompatible Materials:** Avoid strong acids.

**Hazardous Decomposition Products:** Thermal decomposition may produce carbon oxides, ammonia and chlorine compounds.

## 11. TOXICOLOGICAL INFORMATION

### HEALTH HAZARDS:

**Eye:** Causes severe irritation with redness, tearing with possible burns. Permanent eye damage may occur.

**Skin:** May cause severe irritation or burns with redness, pain and blistering.

**Ingestion:** Ingestion may cause burns to the mouth, throat and stomach with abdominal pain, nausea and vomiting.

**Inhalation:** Vapors or mists may cause may cause irritation or burns to the upper respiratory tract, nose and throat.

**Chronic:** None known.

**Sensitization:** Components are not skin sensitizers.

**Carcinogenicity:** None of the components present are listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, or OSHA.

**Germ Cell Mutagenicity:** Components are not germ cell mutagens.

**Reproductive Toxicity:** Components are not reproductive toxins. Ethanol causes birth defects when intentionally ingested.

**Numerical Measures of Toxicity:** Acute Toxicity Estimate (ATE) calculated: LD50 oral rat >4348 mg/kg

Alkyl Ammonium Chlorides: Oral Rat LD50 500-5000 mg/kg

D-Glucopyranose, oligomers, decyl octyl glycosides: Oral Rat LD50 > 5000 mg/kg; Skin Rabbit LD50 > 2000 mg/kg

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** This product is classified as harmful to aquatic toxicity based on Alkyl Ammonium Chlorides.

**Persistence and Degradability:** Alkyl Ammonium Chlorides are readily biodegradable.

**Bioaccumulative Potential:** No data available.

**Mobility in Soil:** No data available

**Other Adverse Effects:** No data available.

## 13. DISPOSAL CONSIDERATIONS

Dispose in accordance with local and national environmental regulations.

#### 14. TRANSPORT INFORMATION

**DOT Hazardous Materials Description:**

**Proper Shipping Name:** Not regulated

**UN Number:** None

**Hazard Class/Packing Group:** None

**Labels Required:** None

**IMDG Shipping Name:** Not regulated

**IMDG Hazard Class:** None

**UN Number:** None

**IMDG Hazard Labels Required:** None

**IATA Shipping Name:** Not regulated

**IATA Hazard Class:** None

**UN Number:** None

**IATA Hazard Labels Required:** None

#### 15. REGULATORY INFORMATION

**CERCLA 103 Reportable Quantity:** This product is not subject to CERCLA reporting requirements, however, many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

**Hazard Category for Section 311/312:** Acute Health

**Section 313 Toxic Chemicals:** This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements: None above de minimus concentration

**Section 302 Extremely Hazardous Substances (TPQ):** None.

#### INTERNATIONAL CHEMICAL INVENTORY STATUS:

**Canada DSL:** All the components are listed.

**China IECSC:** All the components are listed.

**United States TSCA:** All the components are listed.

#### 16. OTHER INFORMATION

**NFPA Rating:** Health = 3      Flammability = 0      Instability = 0  
**HMIS Rating:** Health = 3      Flammability = 0      Physical Hazard = 0

**SDS Date of Preparation:** 12/24/2014

Disclaimer: To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.