

1. IDENTIFICATION**Product Name:** HALYARD* Pre-Cleaning Detergent Spray**Product Number:** 65224-00

Date Prepared:	3/25/15
Manufacturer:	Halyard Health Inc. 5405 Windward Parkway Alpharetta, Georgia 30004
Telephone: MEDICAL EMERGENCY: TRANSPORTATION EMERGENCY: INFORMATION:	Call 911 or your local Emergency Room or Poison Control Services Chemtrec 1-800-424-9300 or 1-703-527-3887 (collect calls accepted) 1-844-HALYARD

Product Use: Cleaning of surgical instruments.**2. HAZARDS IDENTIFICATION****GHS Classification:** Not Hazardous**GHS Labeling:** No GHS labeling required.**3. COMPOSITION/INFORMATION ON INGREDIENTS**

<i>Chemical Name</i>	<i>CAS-No./ EINECS-No</i>	<i>%</i>	<i>GHS Classification:</i>
Glycerin (Glycerol)	56-81-5 / 200-289-5	5-10	Not Hazardous
Sodium Xylene Sulfonate	1300-72-7 / 215-090-9	1-5%	Eye Irrit 2 H319
Octanoic acid, potassium salt	764-71-6 / 212-130-7	1-5%	Not hazardous

4. FIRST AID MEASURES**Inhalation:** Move to fresh air. Seek medical advice if cough, shortness of breath or other respiratory problems occur.**Skin contact:** Rinse with water. Seek medical advice if irritation develops.**Eye contact:** Rinse immediately with plenty of water, also under the eyelids, for several minutes. Obtain medical attention if irritation persists.**Ingestion:** If victim is conscious, rinse mouth with a small amount of water. Never give anything by mouth to a person who is unconscious or drowsy. Call a physician or Poison Control Centre.

Most Important symptoms and effects, both acute and delayed: May cause eye irritation. Prolonged skin contact may cause irritation. Inhalation of vapors or mists may cause upper respiratory tract irritation.

Indication of any immediate medical attention and special treatment needed: None required.

5. FIRE-FIGHTING MEASURES

Suitable (and unsuitable) Extinguishing Media: Use media suitable for surrounding materials.

Specific Hazards Arising from the Chemical: None.

Hazardous Combustion Products: Carbon monoxide, carbon dioxide.

Special Protective Equipment and Precautions for Fire-fighters: Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures: Wear appropriate protective clothing and equipment.

Environmental Precautions: Report releases as required by local and federal regulations.

Methods and Materials for Containment and Cleaning Up: Contain and collect with inert absorbent material and place in a suitable container for disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with eyes. Avoid prolonged contact with skin. Avoid breathing vapors or mists.

Conditions for Safe Storage, including any Incompatibilities: Store in a cool, dry, well ventilated area. Keep container tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limit(s)

Chemical Name	Exposure limit(s)
Glycerin (Glycerol)	5 mg/m ³ (respirable), 15 mg/m ³ PEL-TWA (total particulate)
Sodium Xylene Sulfonate	None established
Octanionic acid, potassium salt	None established

Appropriate Engineering Controls: Use process enclosure, local exhaust ventilation or other engineering controls as needed to maintain exposures below occupational exposure limits. .

Individual Protection Measures, such as Personal Protective Equipment:

Respiratory Protection: No personal respiratory protective equipment normally required.

Protective Gloves: Latex, nitrile or neoprene gloves recommended for prolonged skin contact.

Eye Protection: Safety glasses or goggles if needed to prevent eye contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor	Straw liquid with a fresh, fragrant odor.
Odor Threshold:	Not available
Boiling point/range	Not available
Melting point/range	Not available
Relative Density (water=1)	1.06
Vapor pressure	Not available
Vapor density (air=1)	Not available
Solubility	Not available
pH	8.6
Partition coefficient (n-octanol/water):	Not available
Evaporation Rate (Butyl acetate=1)	Not available
Viscosity:	Not available
Volatile Organic Carbon Compounds (VOC) (g/L)	Not available
Flashpoint:	>200°F (>93.3°C)
Flammable Limits in Air % by Volume:	LEL (Lower):Not applicable UEL (Upper): Not applicable
Autoignition temperature:	None.
Decomposition temperature:	Not available
Flammability (solid, gas):	Not applicable

10. STABILITY AND REACTIVITY

Reactivity: Not reactive.

Chemical Stability: Stable.

Possibility of Hazardous Reactions: None known.

Conditions to Avoid: None known.

Incompatible Materials: None known.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.

11. TOXICOLOGICAL INFORMATION

Symptoms/Effects of Overexposure:

Inhalation: Inhalation of mists may cause irritation to the upper respiratory tract.

Skin contact: May cause skin irritation with redness, drying, defatting and cracking of the skin.

Eye contact: May cause eye irritation with redness, tearing, pain and swelling.

Ingestion: Swallowing may cause gastrointestinal irritation with nausea and cramps.

Chronic toxicity: None currently known.

Carcinogenicity Data: None of the components of this product is listed as a carcinogen by IARC, NTP, US OSHA or the EU CLP Annex VI.

Reproductive Toxicity: None of the components have been shown to cause reproductive or developmental effects.

Numerical Measures of Toxicity:

Acute Toxicity for the Product: Oral rat LD50 >2000 mg/kg, Dermal rabbit LD50 >2000 mg/kg, Inhalation rat LC50 >20 mg/L/4 hr

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Glycerin: 96 hr LC50 *Oncorhynchus mykiss* 54000 mg/L, 48 hr EC50 *daphnia magna* 1955 mg/L

Sodium Xylene Sulfonate: 96 h LC50 *Pimephales promelas* >400 mg/L, 48 hr EC50 *daphnia magna* >400 mg/L, 96 hr EC50 *Selenastrum capricornutum* 230 mg/L

Octanoic acid, potassium salt: No data available

Persistence and Degradability: Sodium xylene sulfonate and glycerin are readily biodegradable.

Bioaccumulative Potential: This product is not expected to bioaccumulate in aquatic organisms.

Mobility in Soil: No data available

Other Adverse Effects: No adverse effects on the environment are expected.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with all state, local and federal regulations.

14. TRANSPORT INFORMATION

US DOT Shipping Description: Not regulated

IATA Shipping Description (Air): Not regulated

IMDG Shipping Description (Vessel): Not regulated

15. REGULATORY INFORMATION**US Regulations**

EPA Toxic Substances Control Act (TSCA): All of the components of this product are listed on the TSCA Inventory or exempted from TSCA.

SARA 302 Listed Chemicals: None.

SARA 311/312 Hazard Categories: Not hazardous

SARA 313 This Product Contains the Following Chemicals Subject to Annual Release Reporting Requirements Under the SARA Section 313 (40 CFR 372): None.

California Proposition 65: This product does not contain chemicals listed per the Safe Drinking Water and Toxic Enforcement Act of 1986.

16. OTHER INFORMATION

Date Prepared: 3/25/15

GHS Classification Hazard Statements seen in Section 3 for Reference:
None

HMIS Rating: Health 1 Fire 0 Reactivity 0

The information contained herein is true and correct to the best of Halyars's knowledge. However, no warranty, expressed or implied, is made. Nothing herein should be interpreted as a recommendation to infringe existing patents or violate any laws or regulations. Final determination of the suitability of the material is the sole responsibility of the user.