



# Kindest Kare<sup>®</sup> Antimicrobial Foaming Handwash Healthcare Personnel Handwash

## Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
Date of issue: 05/28/2015 Version: 1.0

### SECTION 1: Identification

#### 1.1. Product Identifier

Product Form: Mixture  
Product Name: Kindest Kare<sup>®</sup> Antimicrobial Foaming Handwash  
Healthcare Personnel Handwash  
Product Code: 1452

#### 1.2. Intended Use of the Product

Use of the substance/mixture: Healthcare Personnel Handwash. For professional use only.

#### 1.3. Name, Address, and Telephone of the Responsible Party

Company  
STERIS Corporation  
Official Mailing Address:  
P.O. Box 147  
St. Louis, MO 63166 USA

Street Address:  
7501 Page Avenue  
St. Louis, MO 63133 USA

Telephone Number for Information: 1-800-548-4873 (Customer Service-Healthcare Products)  
web: [www.steris.com](http://www.steris.com)  
email: [asksteris\\_msds@steris.com](mailto:asksteris_msds@steris.com)

#### 1.4. Emergency Telephone Number

Emergency Number : 1-314-535-1395 or CHEMTREC: 1-800-424-9300

### SECTION 2: Hazards Identification

#### 2.1. Classification of the Substance or Mixture

##### Classification (GHS-US)

Flam. Liq. 3 H226  
Eye Irrit. 2B H320  
Full text of H-phrases: see section 16

#### 2.2. Label Elements – This product is regulated by the FDA and is exempt from GHS labeling.

FDA Product Labeling : This product is regulated by the FDA, therefore, the requirements for product labeling do not fall under the jurisdiction of the OSHA Hazard Communication Standard according to 29 CFR 1910.1200.

Hazard Pictograms (GHS-US)



GHS02

Signal Word (GHS-US)

Warning

Hazard Statements (GHS-US)

: H226 - Flammable liquid and vapor.  
H320 – Causes eye irritation

Precautionary Statements (GHS-US)

: P210 - Keep away from heat, sparks, open flames, hot surfaces. - No smoking.  
P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so.  
P370+P378 - In case of fire: Use appropriate media to extinguish.

#### 2.3. Other Hazards

Other Hazards: No additional information available

#### 2.4. Unknown Acute Toxicity (GHS-US)

Not applicable.

### SECTION 3: Composition/Information On Ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

Name	Product identifier	%	Classification (GHS-US)
Hexylene Glycol	(CAS No) 107-41-5	<15	Skin Irrit. 2, H315 Eye Irrit. 2A, H319
n-Propanol	(CAS No) 71-23-8	6	Flam. Liq. 2, H225 Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 STOT SE 3, H336

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Full text of H-phrases: see section 16

### SECTION 4: First Aid Measures

#### 4.1. Description of First Aid Measures

First-aid Measures General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid Measures After Inhalation: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

First-aid Measures After Skin Contact: Obtain medical attention if irritation develops or persists.

First-aid Measures After Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

First-aid Measures After Ingestion: Rinse mouth. Do not induce vomiting. Call a POISON CENTER/doctor/physician if you feel unwell.

#### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/Injuries: May cause eye irritation upon direct contact.

Symptoms/Injuries After Inhalation: Not expected to be a primary route of exposure.

Symptoms/Injuries After Skin Contact: Not expected to be a primary route of exposure.

Symptoms/Injuries After Eye Contact: May cause eye irritation upon direct contact.

Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse effects.

#### 4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If you feel unwell, seek medical advice (show the label where possible).

### SECTION 5: Fire-Fighting Measures

#### 5.1. Extinguishing Media

Suitable Extinguishing Media: Dry powder, alcohol-resistant foam, water in large amounts, carbon dioxide.

Unsuitable Extinguishing Media: Do not use a heavy water stream. A heavy water stream may spread burning liquid.

#### 5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Highly flammable liquid and vapor.

Explosion Hazard: May form flammable/explosive vapor-air mixture.

Reactivity: Reacts with strong oxidants causing fire and explosion hazard.

#### 5.3. Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Do not allow run-off from fire fighting to enter drains or water sources. Do not breathe fumes from fires or vapours from decomposition. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

### SECTION 6: Accidental Release Measures

#### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Use special care to avoid static electric charges. Keep away from heat, sparks, open flames, hot surfaces. – No smoking.

Handle in accordance with good industrial hygiene and safety practice.

##### 6.1.1. For Non-emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

##### 6.1.2. For Emergency Responders

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

#### 6.2. Environmental Precautions

Prevent entry to sewers and public waters.

#### 6.3. Methods and Material for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Absorb and/or contain spill with inert material, then place in suitable container. Do not take up in combustible material such as: saw dust or cellulosic material. Use only non-sparking tools.

#### 6.4. Reference to Other Sections

See Section 8: Exposure Controls and Personal Protection. See section 13, Disposal Considerations.

### SECTION 7: Handling And Storage

#### 7.1. Precautions for Safe Handling

Additional Hazards When Processed: Handle empty containers with care because residual vapors are flammable.

Precautions for Safe Handling: Use only non-sparking tools. Keep away from heat, sparks, open flames, hot surfaces. – No smoking. Wear recommended personal protective equipment.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

#### 7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical, lighting, ventilating equipment.

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Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep in fireproof place. Keep container tightly closed.

Incompatible Products: Strong acids. Strong bases. Strong oxidizers.

Incompatible Materials: Heat sources.

Storage Temperature: Room temperature. If frozen, thaw and remix before use. Product may appear cloudy, but that will disappear once the product is returned to room temperature.

### 7.3. Specific End Use(s)

Use of the substance/mixture: Healthcare Personnel Handwash. For professional use only.

## SECTION 8: Exposure Controls/Personal Protection

### 8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), or OSHA (PEL).

Hexylene Glycol (107-41-5)		
USA ACGIH	ACGIH Ceiling (ppm)	25 ppm
USA NIOSH	NIOSH REL (ceiling) (mg/m <sup>3</sup> )	125 mg/m <sup>3</sup>
USA NIOSH	NIOSH REL (ceiling) (ppm)	25 ppm
n-Propanol (71-23-8)		
USA ACGIH	ACGIH TWA (ppm)	100 ppm
USA ACGIH	ACGIH chemical category	Not Classifiable as a Human Carcinogen
USA NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	500 mg/m <sup>3</sup>
USA NIOSH	NIOSH REL (TWA) (ppm)	200 ppm
USA NIOSH	NIOSH REL (STEL) (mg/m <sup>3</sup> )	625 mg/m <sup>3</sup>
USA NIOSH	NIOSH REL (STEL) (ppm)	250 ppm
USA IDLH	US IDLH (ppm)	800 ppm
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	500 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (ppm)	200 ppm

### 8.2. Exposure Controls

- Appropriate Engineering Controls : Not generally required. Site-specific risk assessments should be conducted to determine the appropriate exposure control measures.
- Personal Protective Equipment : Not generally required. The use of personal protective equipment may be necessary as conditions warrant.
- Other Information : When using, do not eat, drink or smoke.

## SECTION 9: Physical And Chemical Properties

### 9.1. Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Clear, colorless to straw
Odor	: Pleasant.
Odor Threshold	: No data available
pH	: 6 - 6.8
Evaporation rate	: No data available
Melting Point	: No data available
Freezing Point	: No data available
Boiling Point	: No data available
Flash Point	: 123°F (TCC) (Material does not sustain combustion. Reference 49CFR§173.120).
Auto-ignition Temperature	: No data available
Decomposition Temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor Pressure	: No data available
Relative Vapor Density at 20 °C	: No data available
Relative Density	: ~ 1.014 g/ml
Solubility	: Soluble in water.
Partition coefficient: n-octanol/water	: No data available
Viscosity	: No data available

### 9.2. Other Information

No additional information available

## SECTION 10: Stability And Reactivity

### 10.1 Reactivity:

Not applicable.

### 10.2 Chemical Stability:

Not applicable.

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### 10.3 Possibility of Hazardous Reactions:

Hazardous polymerization will not occur.

### 10.4 Conditions to Avoid:

Direct sunlight, extremely high or low temperatures, open flames, sources of ignition and incompatible materials. Do not freeze.

### 10.5 Incompatible Materials:

Strong acids. Strong bases. Strong oxidizers.

### 10.6 Hazardous Decomposition Products:

None known.

## SECTION 11: Toxicological Information

### 11.1. Information On Toxicological Effects

Acute Toxicity: Not classified

Kindest Kare <sup>®</sup> Antimicrobial Foaming Handwash Healthcare Personnel Handwash	
LD50 Oral Rat	> 2000 mg/kg body weight
LD50 Dermal Rabbit	> 5000 mg/kg (Est.)
Hexylene Glycol (107-41-5)	
LD50 Oral Rat	3692 mg/kg
LD50 Dermal Rat	> 2000 mg/kg
LC50 Inhalation Rat	310 mg/m <sup>3</sup> (Exposure time: 1 h)
n-Propanol (71-23-8)	
LD50 Oral Rat	1870 mg/kg
LD50 Dermal Rabbit	4049 mg/kg
LC50 Inhalation Rat	> 13548 ppm/4h

Skin Corrosion/Irritation: Not classified. Not expected to be a primary route of exposure

pH: 6 - 6.8

Eye Damage/Irritation: May cause eye irritation upon direct contact.

pH: 6 - 6.8

Respiratory or Skin Sensitization: Not classified

Germ Cell Mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): Not classified

Specific Target Organ Toxicity (Repeated Exposure): Not classified

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: Not expected to be a primary route of exposure. May cause respiratory irritation.

Symptoms/Injuries After Skin Contact: Not classified.

Symptoms/Injuries After Eye Contact: May cause eye irritation upon direct contact.

Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse effects.

Chronic Symptoms: None expected under normal conditions of use.

## SECTION 12: Ecological Information

### 12.1. Toxicity

Ecology - General : Not classified.

Hexylene Glycol (107-41-5)	
LC50 Fish 1	10500 (10500 - 11000) mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	2700 (2700 - 3700) mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC 50 Fish 2	10000 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
n-Propanol (71-23-8)	
LC50 Fish 1	4480 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	3642 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 Daphnia 2	3339 - 3977 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])

### 12.2. Persistence and Degradability

Kindest Kare <sup>®</sup> Antimicrobial Foaming Handwash Healthcare Personnel Handwash	
Persistence and Degradability	Not established.

### 12.3. Bioaccumulative Potential

Kindest Kare <sup>®</sup> Antimicrobial Foaming Handwash Healthcare Personnel Handwash	
Bioaccumulative Potential	Not established.
Hexylene Glycol (107-41-5)	
Log Pow	< 0.14
n-Propanol (71-23-8)	
Log Pow	0.25 - 0.34

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### 12.4. Mobility in Soil

No additional information available

### 12.5. Other Adverse Effects

Other Information : Avoid release to the environment.

## SECTION 13: Disposal Considerations

### 13.1. Waste treatment methods

Waste Disposal Recommendations: Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional Information: Handle empty containers with care because residual vapors are flammable.

## SECTION 14: Transport Information

### 14.1 In Accordance with DOT

Non-Hazardous

## SECTION 15: Regulatory Information

### 15.1 US Federal Regulations

#### Kindest Kare<sup>®</sup> Antimicrobial Foaming Handwash Healthcare Personnel Handwash

SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard
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#### Hexylene Glycol (107-41-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### n-Propanol (71-23-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### 15.2 US State Regulations

#### Hexylene Glycol (107-41-5)

U.S. - Massachusetts - Right To Know List  
U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) List

#### n-Propanol (71-23-8)

U.S. - Massachusetts - Right To Know List  
U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) List

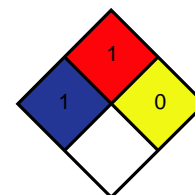
## SECTION 16: Other Information

Revision date : 05/28/2015  
Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

#### GHS Full Text Phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Eye Irrit. 2B	Eye damage/eye irritation Category 2B
Flam. Liq. 2	Flammable liquids Category 2
Flam. Liq. 3	Flammable liquids Category 3
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H226	Flammable liquid and vapor
H302	Harmful if swallowed
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H320	Causes eye irritation
H336	May cause drowsiness or dizziness

NFPA Health Hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.  
NFPA Fire Hazard : 1 - Materials require considerable preheating before ignition; combustion will not occur with this product.  
NFPA Reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*

STERIS SDS US GHS