



Kindest Kare™ Air-Infused Foam Antiseptic Handrub

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 12/01/2014

Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Product name : Kindest Kare™ Air-Infused Foam
Antiseptic Handrub
Product code : 1458

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Hand Sanitizer. For professional use only.

1.3. Details of the supplier of the safety data sheet

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

email: 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. 2 H225
Eye Irrit. 2A H319

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US) :



GHS02

GHS07

Signal word (GHS-US) : Danger

Hazard statements (GHS-US) : H225 - Highly flammable liquid and vapor
H319 - Causes serious eye irritation

Precautionary statements (GHS-US) : P210 - Keep away from heat, sparks, open flames, hot surfaces. No smoking.
P280 - Wear eye protection, protective clothing, protective gloves.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P370+P378 - In case of fire: Use media appropriate for Class B fires (dry chemical, alcohol-resistant foam, carbon dioxide).
P403+P235 - Store in a well-ventilated place. Keep cool.
P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

2.3. Other hazards

Under normal conditions of end use no additional hazards are applicable. Repeated or prolonged skin contact may cause defatting of the skin.

2.4. Unknown acute toxicity (GHS-US)

No data available

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SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification (GHS-US)
Ethyl alcohol	(CAS No) 64-17-5	51.15 - 57	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 Aquatic Acute 3, H402
2-Phenoxyethanol	(CAS No) 122-99-6	1.125 - 1.25	Acute Tox. 4 (Oral), H302 Eye Irrit. 2A, H319

For 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 : None expected.
- 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.

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

- Symptoms/injuries : Causes irritation.
- Symptoms/injuries after inhalation : Not expected to be a primary route of exposure. May cause respiratory irritation.
- Symptoms/injuries after skin contact : Under normal conditions of end use none expected. Repeated or prolonged skin contact may cause dermatitis and defatting.
- Symptoms/injuries after eye contact : Causes serious eye irritation. Redness, pain, irritation.
- Symptoms/injuries after ingestion : Ingestion is likely to be harmful or have adverse effects. May cause nausea or vomiting. Gastrointestinal irritation.
- Chronic symptoms : None known.

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: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Dry powder, alcohol-resistant foam, water in large amounts, carbon dioxide (CO₂).
- 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 vapors from decomposition. Use water spray or fog for cooling exposed containers. 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.

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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 : Clear 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 heading 8, Exposure Controls and Personal Protection. Concerning disposal elimination after cleaning, see item 13.

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.
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. Do not store above 120°F or below 23°F.
Incompatible products : Strong acids. Strong bases. Strong oxidizers.

7.3. Specific end use(s)

Hand Sanitizer. For professional use only.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Ethyl alcohol (64-17-5)		
USA ACGIH	ACGIH STEL (ppm)	1000 ppm
USA OSHA	OSHA PEL (TWA) (mg/m ³)	1900 mg/m ³
USA OSHA	OSHA PEL (TWA) (ppm)	1000 ppm

8.2. Exposure controls

- Appropriate engineering controls : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor or mists below the applicable workplace exposure limits indicated above.
Personal protective equipment : Not required.
Materials for protective clothing : Not required.
Hand protection : Not required.
Eye protection : Not required.
Skin and body protection : Not required.
Respiratory protection : Not required under normal conditions of end use.
Consumer exposure controls : Do not eat, drink or smoke during use.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: Clear, colorless to light yellow liquid
Odor	: Alcohol
Odor threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 23° C
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
Specific gravity	: 0.898 g/mL
Solubility	: Soluble in water
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosive limits	: Not applicable

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reacts with strong oxidants causing fire and explosion hazard.

10.2. Chemical stability

Highly flammable liquid and vapor. May form flammable/explosive vapor-air mixture.

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.

10.5. Incompatible materials

Strong oxidizers.

10.6. Hazardous decomposition products

May release flammable gases. Carbon oxides (CO, CO₂).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

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LD50 Oral Rat	> 5000 mg/kg body weight
LD50 Dermal Rabbit	> 5000 mg/kg (Est.)

2-Phenoxyethanol (122-99-6)

LD50 oral rat	1260 mg/kg
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2-Phenoxyethanol (122-99-6)	
LD50 dermal rabbit	5 ml/kg
ATE US (oral)	1260.00000000 mg/kg body weight
Ethyl alcohol (64-17-5)	
LD50 oral rat	10470 mg/kg
LD50 dermal rat	20 ml/kg
LC50 inhalation rat (mg/l)	124.7 mg/l/4h
ATE US (oral)	10470.00000000 mg/kg body weight
ATE US (vapors)	124.70000000 mg/l/4h
ATE US (dust, mist)	124.70000000 mg/l/4h

Skin corrosion/irritation	: In a Human Primary Irritation Patch Study test there was no evidence of human skin irritation with an average skin irritation score of 0.00.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: In a Repeated Insult Patch Study skin sensitization test, there was no evidence of human skin sensitization.
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	: None expected under normal conditions of end use.
Symptoms/injuries after eye contact	: Causes serious eye irritation.
Symptoms/injuries after ingestion	: If large amounts are ingested: Gastrointestinal irritation.
Chronic symptoms	: None expected under normal conditions of use.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: Harmful to aquatic life.
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2-Phenoxyethanol (122-99-6)	
LC50 fish 1	344 mg/l
EC50 Daphnia 1	> 500 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 fish 2	366 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
Ethyl alcohol (64-17-5)	
LC50 fish 1	12.0 - 16.0 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	9268 - 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 fish 2	> 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])

12.2. Persistence and degradability

Kindest Kare™ Air-Infused Foam Antiseptic Handrub	
Persistence and degradability	Not established.
Ethyl alcohol (64-17-5)	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

Kindest Kare™ Air-Infused Foam Antiseptic Handrub	
Bioaccumulative potential	Not established.
2-Phenoxyethanol (122-99-6)	
Log Pow	1.13 (at 25 °C)

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Ethyl alcohol (64-17-5)	
Log Pow	-0.32
Bioaccumulative potential	Not established.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on ozone layer	: No additional information available
Effect on the global warming	: No known ecological damage caused by this product.
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. 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.
Additional information	: Handle empty containers with care because residual vapors are flammable.

SECTION 14: Transport information

In accordance with DOT, IMDG, IATA

Transport document description	: UN1170 Ethanol solutions, III LTD QTY
UN-No.(DOT)	: 1170
DOT NA no.	: UN1170
Proper Shipping Name (DOT)	: Ethanol solutions
Department of Transportation (DOT) Hazard Classes	: 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Hazard labels (DOT)	: 3 - Flammable liquid



Packing group (DOT)	: III - Medium Danger
Limited Quantity	: This product meets the limited quantity exception, when stored in inner packagings not over 1.0L (0.3 gal) net capacity each, packed in a strong outer packaging.

Additional information

Emergency Response Guide (ERG) Number	: 127
Other information	: No supplementary information available.

Transport by sea

UN-No. (IMDG)	: 1170
Proper Shipping Name (IMDG)	: ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
Class (IMDG)	: 3 - Flammable liquids
Packing group (IMDG)	: III - substances presenting medium danger, LTD QTY
Limited Quantity	: This product meets the limited quantity exception, when stored in inner packagings not over 1.0L (0.3 gal) net capacity each, packed in a strong outer packaging.
Transport by air	: Not packaged for air shipment.

SECTION 15: Regulatory information

15.1. US Federal regulations

Kindest Kare™ Air-Infused Foam Antiseptic Handrub	
SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard

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15.2. International regulations

Not applicable.

15.3. US State regulations

Ethyl alcohol (64-17-5)

U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)
Yes	Yes			

Ethyl alcohol (64-17-5)

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

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U.S. - California - Proposition 65 - Carcinogens List	WARNING: This product contains chemicals known to the State of California to cause cancer.
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SECTION 16: Other information

Other information

: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Full text of H-phrases: see section 16:

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 3	Hazardous to the aquatic environment - Acute Hazard Category 3
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Liq. 2	Flammable liquids Category 2
H225	Highly flammable liquid and vapor
H302	Harmful if swallowed
H319	Causes serious eye irritation
H402	Harmful to aquatic life

NFPA health hazard

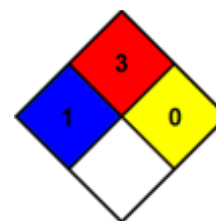
: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard

: 3 - Liquids and solids that can be ignited under almost all ambient conditions.

NFPA reactivity

: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



SDS US (GHS HazCom 2012)

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.