

Safety Data Sheet

OPTISOURCE NON-ALCOHOL INSTANT HAND SANITIZING FOAM

Section 1. Identification

Product Identifier	OPTISOURCE NON-ALCOHOL INSTANT HAND SANITIZING FOAM		
Synonyms	NON-ALCOHOL HAND SANITIZER WITH 0.10% BENZALKONIUM CHLORIDE		
Manufacturer Stock Numbers	12502		
Recommended use	Hand sanitizer		
Uses advised against	Do not use in or near eyes. For external use only		
Manufacturer Contact Address	Chester Packaging, LLC 1900 Section Road Cincinnati, OH, 45237 USA		
Phone	800-354-9709	Emergency Phone	800-424-9300 CHEMTREC
		Fax	(513) 458-3858
Email	www.chesterpackaging.com		

Section 2. Hazards Identification

Classification	EYE DAMAGE/IRRITATION - Category 1 HAZARDOUS TO THE AQUATIC ENVIRONMENT - A - Category 2 HAZARDOUS TO THE AQUATIC ENVIRONMENT - L - Category 2 SKIN CORROSION/IRRITATION - Category 1B
Signal Word	Danger
Pictogram	



Hazard Statements	Causes serious eye irritation Causes severe skin burns and eye damage Health hazards indicated above are for 0.9% of the mixture. Toxic to aquatic life with long lasting effects Toxic to aquatic life
Precautionary Statements	
Response	Collect spillage If eye irritation persists: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If inhaled: Remove person to fresh air and keep comfortable for breathing. If swallowed: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center/doctor/ ... Specific treatment (see ... on this label) Wash contaminated clothing before reuse.
Prevention	Do not breathe dust/fume/gas/mist/ vapors/spray.
Storage	N/A
Disposal	N/A
Ingredients of unknown toxicity	0.6%
Hazards not Otherwise Classified	No Data Available

Section 3. Ingredients

CAS	Ingredient Name	Weight %
112-00-5	1-Dodecanaminium, N,N,N-trimethyl-, chloride	0.05% - 0.2%
8001-54-5	Benzalkonium Chloride	0.1% - 0.2%
112-02-7	1-Hexadecanaminium, N,N,N-trimethyl-, chloride	0.1% - 0.2%
61791-47-7	Ethanol, 2,2'-iminobis-, N-coco alkyl derivs., N-oxides	0.1% - 0.2%

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First-Aid Measures

General Advice:	Take proper precautions to ensure your own health and safety before attempting rescue and providing first aid. Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
Eye Contact:	Flush eyes with large amounts of water for at least 15 minutes. Remove contact lenses, if worn. If irritation persists, seek medical attention.
Skin Contact:	Wash with soap and water; if irritation persists, seek medical attention.
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.
Ingestion:	If swallowed, call a physician immediately. Rinse mouth and throat thoroughly with water. Do not induce vomiting unless directed to do so by a physician. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs. If patient is conscious and alert, give large amounts of water. Get medical attention.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media	In case of fire, use Carbon Dioxide (CO ₂) or Dry Chemical
Unsuitable Extinguishing Media	Water jet. None known Water spray is an unsuitable extinguishing agent Self contained breathing apparatus and full protective clothing must be worn in case of fire. During fire, gases hazardous to health may be formed. Use standard firefighting procedures and consider the hazards of other involved materials.
Special Fire Fighting Procedures:	Self contained breathing apparatus and full protective clothing recommended.

Section 6. Accidental Release Measures

Non-hazardous Small Spill:	Should be cleaned up at the time of the spill. Take all necessary precautions and wear any personal protective equipment that is applicable. Dispose of per local and state regulations.
Non-hazardous Large Spill:	Should be cleaned up at the time of the spill. May require special treatment, equipment and/or emergency assistance. Dispose of per local and state regulations.

Section 7. Handling and Storage

Handling Non-hazardous:	This product is considered to be an article which does not release or otherwise result in exposure to a hazardous chemical under normal use conditions.
Storage Non-hazardous:	Store in original package. Discard after the expiration date . Do not reuse package for other means.

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	1-Dodecanaminium, N,N,N-trimethyl-, chloride	N/A	N/A	N/A
	Benzalkonium Chloride	N/A	N/A	N/A
	1-Hexadecanaminium, N,N,N-trimethyl-, chloride	N/A	N/A	N/A
	Ethanol, 2,2'-iminobis-, N-coco alkyl derivs., N-oxides	N/A	N/A	N/A
Personal Protective Equipment	Goggles, Respirator			
Engineering Controls:	Ventilation:			
Respiratory Protection:	In case of insufficient ventilation, wear suitable respiratory equipment.			
Skin Protection:	Wear protective gloves			
Eye Protection:	Wear chemical safety goggles while handling this product. Do not wear contact lenses. Wear additional eye protection such as face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material.			
Other protective equipment:	Wear appropriate chemical resistant clothings.			
Work/hygienic practices:	Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Safety shower and eye wash should be available close to work areas.			

Section 9. Physical and Chemical Properties

Physical State	Liquid foaming
Color	Clear colorless solution
Odor	Slight amine odor
Odor Threshold	N.D.
Solubility	Soluble
Partition coefficient Water/n-octanol	N.D.
VOC%	N/A
Viscosity	N.D.
Specific Gravity	1
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	>199.4°F (93.0°C)
FP Method	N.D.
Ph	4.0-6.0
Melting Point	N.D.
Boiling Point	212°F (100° C)
Boiling Range	N.D.
LEL	N/A
UEL	N/A
Evaporation Rate	N/A
Flammability	N.D.
Decomposition Temperature	N.D.
Auto-ignition Temperature	N.D.
Vapor Pressure	N.A.
Vapor Density	N.D.

Section 10. Stability and Reactivity

Stability:	Stable.
Reactivity:	Product is considered stable during storage and transportation under normal conditions.
Hazardous Decomposition or Byproducts:	None in normal use
Conditions to avoid:	Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatibility (Materials to Avoid):	Strong oxidizing agents.
Hazardous Polymerization	N.D.

Section 11. Toxicological Information

Product summary:	Toxicological information is listed for <0.9% of the mixture which are considered as hazardous to health.
Principle Routes of Exposure:	Inhalation: May cause irritation to the respiratory system. Skin contact: causes severe skin burns. Eye contact: causes serious eye damage. Ingestion: Causes digestive tract burns.
Symptoms related to the physical, chemical and toxicological characteristics:	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.
Acute Toxicity: Oral LD50:	1-dedecanaminium, n,n,n-trimethyl-, chloride(CAS No. 112-00-5) Species: Rat 490 mg/kg 1-hexadecanminium, n,n,n-trimethyl-, Chloride(CAS No. 112-02-7) Species: Rat 699 mg/kg
Acute Toxicity: Dermal LD50:	1-hexadecanminium, n,n,n-trimethyl-, Chloride(CAS No. 112-02-7) Species: Rabbit 1600 mg/kg Alkyl Dimethyl Benzylammonium Chloride(CAS No. 8001-54-5) Species: Rat 704-100 mg/kg 3560 mg/kg
Acute Toxicity: Oral LD50:	Alkyl Dimethyl Benzylammonium Chloride(CAS No. 8001-54-5) Species: Rat 525 mg/kg 430 mg/kg
Acute Toxicity: Inhalation LC50:	Alkyl Dimethyl Benzylammonium Chloride(CAS No. 8001-54-5) Species: Rat 0.054-0.51 mg/l
Respiratory/Skin Sensitization:	This product is not expected to cause a skin sensitization. Not a respiratory sensitizer.
Carcinogenicity:	This product is not considered to be a carcinogen by IARC, ACGIH,NTP, or OSHA.
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	Not listed.
Germ cell Mutagenicity:	No dat available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Reproductive Toxicity:	This product is not expected to casue reproductive or developmental effects.
Specific Target Organ Toxicity - Repeated exposure:	Not classified.
Specific Target Organ Toxicity - Single exposure:	Not classified.
Aspiration hazard:	Not an aspiration hazard.

Section 12. Ecological Information

Toxicity:	N.D.
Persistence and degradability:	N.D.
Bioaccumulative potential:	N.D.
Mobility in soil:	N.D.
Other adverse effects:	N.D.
Ecotoxicity:	Toxic to aquatic life with long lasting effects.
Partition Coefficient:	n-octanol/water(log Kow) 1-hexadecanaminium, n,n,n-trimethyl-,Chloride 3.23
Other adverse effects:	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

Section 13. Disposal

Waste Disposal:	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
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Section 14. Transport Information

UN Number	N/A
UN Proper Shipping Name	Not Regulated
DOT Classification	Not Regulated
Packing Group	Not Regulated
IMDG:	Not regulated
IATA:	N.D.

Section 15. Regulatory Information

US Federal Regulations: Clean Air Act	N.D.
US Federal Regulations: General Product Information	N.D.
US Federal Regulations: Component Analysis	N.D.
Other Classifications:	N.D.
State Regulations: General Product Information	N.D.
State Regulations: Component Analysis	N.D.
Other Regulations:	N.D.
WHMIS (Canada):	N.D.
California Prop.65:	N.D.
CERCLA:	N.D.

Section 16. Other Information

Revision Date 6/3/2015

Legend N.A. - Not Applicable
N.E. - Not Established
N.D. - Not Determined

HMIS (U.S.A.): Health
(Acute-Chronic) 2

HMIS (U.S.A.): Flammability 0

HMIS (U.S.A.): Reactivity 0

HMIS (U.S.A.): Personal
Protection N.A.

Additional Information The information contained herein is furnished without warranty or legal responsibility of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees