

# Safety Data Sheet

Issue Date: 05-Jan-2013

Revision Date: 01-May-2015

Version 1

## 1. IDENTIFICATION

### Product Identifier

**Product Name** ARTEMIS ANTISEPTIC FOAM HAND SANITIZER

### Other means of identification

**SDS #** ABS-015

### Recommended use of the chemical and restrictions on use

**Recommended Use** Hand Sanitizer.

### Details of the supplier of the safety data sheet

#### **Manufacturer Address**

Artemis Bio Solutions  
960 N Industrial Dr Suite 4  
Elmhurst IL 60126  
www.Artemisbiosolutions.com

### Emergency Telephone Number

**Company Phone Number** PH: 630-359-4090  
**Emergency Telephone (24 hr.)** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** Clear liquid

**Physical State** Liquid

### Classification

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

The product contains no substances which, at their given concentration, are considered to be hazardous to health. However, additional component information is available in subsequent sections of this SDS.

**Chemical Nature** Mixture of cationic detergents and carbonates.

## 4. FIRST-AID MEASURES

### First Aid Measures

<b>General Advice</b>	Provide this SDS to medical personnel for treatment.
<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If irritation persists, seek medical attention immediately.
<b>Skin Contact</b>	If irritation develops wash with soap and water; consult a physician.
<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing.
<b>Ingestion</b>	Do not induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Immediately call a poison center or doctor/physician.

### Most important symptoms and effects

<b>Symptoms</b>	Contact with eyes may cause irritation and redness. Prolonged contact may dry out eyeball.
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### Indication of any immediate medical attention and special treatment needed

<b>Notes to Physician</b>	Treat symptomatically.
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## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Water, Carbon Dioxide, or Foam.

**Unsuitable Extinguishing Media** Not determined.

### Specific Hazards Arising from the Chemical

Product is not combustible or an explosive.

**Hazardous Combustion Products:** None known.

### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

<b>Personal Precautions</b>	Use personal protective equipment as required.
<b>Environmental Precautions</b>	Dike with sand or earth to contain spill. See Section 12 for additional Ecological Information.

### Methods and material for containment and cleaning up

<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for Clean-Up</b>	Small spills should be taken up with absorbent material and held for disposal, or, if local regulations permit, flushed into drains with lots of water. Larger spills should be contained by diking or other methods and put into containers for disposal or reuse. Clean up in accordance with all applicable regulations.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on Safe Handling** Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep container tightly closed and store in a cool, dry and well-ventilated place. Store at ambient conditions.

**Incompatible Materials** Anionic detergents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines** No exposure limits noted for ingredient(s). The following information is given as general guidance

### Appropriate engineering controls

**Engineering Controls** Showers  
Eyewash stations  
Ventilation systems.

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Normally not required, recommended if splashing is possible or handling large quantities.

**Skin and Body Protection** Not necessary; product is a hand sanitizer.

**Respiratory Protection** Not required, but ensure adequate ventilation, especially in confined areas.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical State</b>	Liquid	<b>Odor</b>	Costal Breeze
<b>Appearance</b>	Clear liquid	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Clear		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	5.0 – 7.2	
Melting Point/Freezing Point	-1 °C / 28 °F	
Boiling Point/Boiling Range	100 °C / 212 °F	
Flash Point	Does Not Flash	
Evaporation Rate	1	
Flammability (Solid, Gas)	Not Flammable	
Upper Flammability Limits	N/A	
Lower Flammability Limit	N/A	
Vapor Pressure	17.5mmHg@20°C	
Vapor Density	N/A	
Specific Gravity	1.00 (8.33 lb./gal)	
Water Solubility	Completely soluble	
Solubility in other solvents	N/A	
Partition Coefficient	N/A	

<b>Auto-ignition Temperature</b>	N/A
<b>Decomposition Temperature</b>	N/A
<b>Kinematic Viscosity</b>	N/A
<b>Dynamic Viscosity</b>	N/A
<b>Explosive Properties</b>	Not an explosive
<b>Oxidizing Properties</b>	N/A

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

**Hazardous Polymerization**      Hazardous polymerization does not occur.

### Conditions to Avoid

Keep out of reach of children.

### Incompatible Materials

Anionic detergents.

### Hazardous Decomposition Products

None known.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

<b>Eye Contact</b>	Avoid contact with eyes.
<b>Skin Contact</b>	Not expected to be a skin irritant during prescribed use.
<b>Inhalation</b>	Avoid inhalation of vapors.
<b>Ingestion</b>	Do not ingest.

### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Potassium Carbonate 584-08-7	= 1870 mg/kg ( Rat )	-	-
N-Alkyl-N-benzyl-N,N-dimethyl ammonium chloride 8001-54-5	= 240 mg/kg ( Rat )	= 1420 mg/kg ( Rat )	-

### Information on physical, chemical and toxicological effects

**Symptoms**      Please see section 4 of this SDS for symptoms.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Carcinogenicity**      Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

### Numerical measures of toxicity

Not determined

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

### Component Information

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
N-Alkyl-N-benzyl-N,N-dimethyl ammonium chloride 8001-54-5		0.223 - 0.46: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 0.823 - 1.61: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static 2.4: 96 h <i>Oryzias latipes</i> mg/L LC50 semi-static 1.3: 96 h <i>Poecilia reticulata</i> mg/L LC50 semi-static		

### Persistence/Degradability

Not determined.

### Bioaccumulation

Not determined.

### Mobility

Not determined

### Other Adverse Effects

Not determined

## 13. DISPOSAL CONSIDERATIONS

### Waste Treatment Methods

#### **Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

#### **Contaminated Packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

## 14. TRANSPORT INFORMATION

### Note

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

### DOT

Not regulated

### IATA

Not regulated

### IMDG

Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

#### Legend:

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*

*DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*

*EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*

*ENCS - Japan Existing and New Chemical Substances*

*IECSC - China Inventory of Existing Chemical Substances*

*KECL - Korean Existing and Evaluated Chemical Substances*

*PICCS - Philippines Inventory of Chemicals and Chemical Substances*

*AICS - Australian Inventory of Chemical Substances*

### US Federal Regulations

#### SARA 313

Not determined

### US State Regulations

#### California Proposition 65

This product does not contain any Proposition 65 chemicals.

### U.S. State Right-to-Know Regulations

Not determined

## 16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards 1	Flammability 0	Instability 0	Special Hazards None
<u>HMIS</u>	Health Hazards 0	Flammability 0	Physical Hazards 0	Personal Protection Non required

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#### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet