

SIGNATURE ANTIBACTERIAL FOAMING HAND SOAP

SECTION 1. IDENTIFICATION

Product Identifier	SIGNATURE ANTIBACTERIAL FOAMING HAND SOAP
Other Means of Identification	Formula Ref #0232-01
Other Identification	VEN #SHSABF500
Product Family	Handsoap
Recommended Use	Hand wash.
Manufacturer	Manufactured for CINTAS by SANTEC PRODUCTS, LLC., 167 Commerce Dr., Loveland, OH, 45140, 877-972-6832
Emergency Phone No.	CHEMTREC, 8004249300
Date of Preparation	March 03, 2016

SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015) and the US Hazard Communication Standard (HCS 2012).

Classification

Eye irritation - Category 2B

Label Elements

Warning

H320 Causes eye irritation.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Other Hazards

Hazard Not Otherwise Classified (HNOC): None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers
Glycerol	56-81-5	5-10	None
Cocamidopropyl betaine	61789-40-0	1-5	None

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Get medical advice or attention if you feel unwell or are concerned.

Skin Contact

Not a skin irritant.

Eye Contact

Rinse the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes, while holding the eyelid(s) open.

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If eye irritation persists, get medical advice or attention.

Ingestion

Rinse mouth with water. Get medical advice or attention if you feel unwell or are concerned.

First-aid Comments

Get medical advice or attention if you feel unwell or are concerned.

Most Important Symptoms and Effects, Acute and Delayed

Symptoms include sore, red eyes, and tearing.

Immediate Medical Attention and Special Treatment

Special Instructions

Not applicable.

Medical Conditions Aggravated by Exposure

None known.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Not combustible. Use extinguishing agent suitable for surrounding fire.

Unsuitable Extinguishing Media

None known.

Specific Hazards Arising from the Product

Not known to generate any hazardous decomposition products in a fire.

Special Protective Equipment and Precautions for Fire-fighters

No special precautions are necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

No special precautions are necessary.

Environmental Precautions

None specific.

Methods and Materials for Containment and Cleaning Up

Small spills or leaks: wipe up small spills with absorbent material such as cloth and clean and dry the area to remove any residue. Contact emergency services and manufacturer/supplier for advice.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Do not get in eyes. No special handling precautions are necessary.

Conditions for Safe Storage

Store in the original, labelled, shipping container.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Cocamidopropyl betaine	Not established		Not established			

Glycerol	Not established		10 mg/m3			
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None established.

Appropriate Engineering Controls

Provide eyewash in work area, if contact or splash hazard exists.

Individual Protection Measures

Eye/Face Protection

Not required but it is good practice to wear safety glasses or chemical safety goggles.

Skin Protection

Not required, if used as directed.

Respiratory Protection

Not required.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Colourless amber liquid. Particle Size: Not applicable
Odour Threshold	Not available
pH	5.3 - 5.7
Melting Point/Freezing Point	Not applicable (melting); -4 °C (24 °F) (freezing)
Initial Boiling Point/Range	Not available
Flash Point	Not applicable
Evaporation Rate	Not available
Flammability (solid, gas)	Not applicable (liquid).
Upper/Lower Flammability or Explosive Limit	Not applicable (upper); Not applicable (lower)
Vapour Pressure	Not available
Vapour Density (air = 1)	Not available
Relative Density (water = 1)	0.90
Solubility	Soluble in all proportions in water; Not applicable (in other liquids)
Partition Coefficient, n-Octanol/Water (Log Kow)	Not applicable
Auto-ignition Temperature	Not applicable
Decomposition Temperature	Not available
Viscosity	Not available (kinematic); Not available (dynamic)
Other Information	
Physical State	Liquid
Molecular Formula	Mixture
Molecular Weight	Not applicable
Bulk Density	Not applicable
Surface Tension	Not available
Critical Temperature	Not available
Electrical Conductivity	Not applicable
Vapour Pressure at 50 deg C	Not available
Saturated Vapour Concentration	Not available

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not reactive.

Stable.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

Conditions to Avoid

None specific.

Incompatible Materials

None known.

Hazardous Decomposition Products

None known.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

None specific.

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Cocamidopropyl betaine	Not available	> 2335 mg/kg (rat)	> 2000 mg/kg (rabbit)
Glycerol	143 mg/L (rat)	27,200 mg/kg (female rat)	23,000 mg/kg (rabbit)

Skin Corrosion/Irritation

Not a skin irritant. Use as directed.

Serious Eye Damage/Irritation

May cause serious eye irritation based on information for closely related materials.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

No information was located.

Skin Absorption

No information was located.

Ingestion

May be harmful.

Aspiration Hazard

No information was located.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

No data.

Respiratory and/or Skin Sensitization

No information was located for skin sensitization.

Carcinogenicity

Not known to cause cancer.

Reproductive Toxicity

Development of Offspring

Not known to harm the unborn child.

Sexual Function and Fertility

No information was located.

Effects on or via Lactation

No information was located.

Germ Cell Mutagenicity

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Not known to be a mutagen.

Interactive Effects

No information was located.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Acute Aquatic Toxicity

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
Cocamidopropyl betaine	1.75-10 mg/L (96-hour)	1.9 mg/L (48-hour)	Not available	2.4 mg/L (72-hour)
Glycerol	Not available	Not available	Not available	Not available

Persistence and Degradability

No information was located.

Bioaccumulative Potential

No information was located.

Mobility in Soil

Studies are not available.

Other Adverse Effects

There is no information available.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose spilled or damaged material in accordance with the Local, State and Federal regulations.

SECTION 14. TRANSPORT INFORMATION

This section is not required by WHMIS 2015. Not regulated under Canadian TDG regulations. Not regulated under US DOT Regulations. Not regulated under IATA Regulations.

Special Precautions Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Canada

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

NDSL: Not listed. DSL: Listed.

USA

Additional USA Regulatory Lists

CERCLA: Not applicable. SARA Title III - Section 302: Not applicable. SARA Title III - Section 311/312: Yes.

SECTION 16. OTHER INFORMATION

NFPA Rating Health - 1 Flammability - 0 Instability - 0

SDS Prepared By John Koduru

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