

SANIS ALCOHOL FOAMING HAND SANITIZER

SECTION 1. IDENTIFICATION

Product Identifier SANIS ALCOHOL FOAMING HAND SANITIZER
Other Means of Identification Formula Ref #0229-01
Other Identification VEN #SHSAFS800Y
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 the US Hazard Communication Standard (HCS 2012).

Classification

Flammable liquid - Category 2; Eye irritation - Category 2A

Label Elements

Pictogram: Flame; Exclamation mark

Danger

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

P210 Keep away from heat, sparks, open flames, and 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. Continue rinsing.

Other Hazards

Hazard Not Otherwise Classified (HNOC): None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers
Ethanol	64-17-5	60-70	None

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Move to fresh air. Get medical advice or attention if you feel unwell or are concerned.

Skin Contact

Rinse with lukewarm, gently flowing water for 5 minutes. Get medical advice or attention if you feel unwell or are concerned.

Eye Contact

Rinse the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes, while holding the eyelid(s) open. Remove contact lenses, if present and easy to do. If eye irritation persists, get medical advice or attention.

Ingestion

Rinse mouth with water. If vomiting occurs naturally, lie on your side in the recovery position. Rinse mouth with water again. Immediately call a Poison Centre or doctor.

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**

Carbon dioxide, dry chemical powder or appropriate foam.

Unsuitable Extinguishing Media

None known.

Specific Hazards Arising from the Product

In a fire, the following hazardous materials may be generated: flammable chemicals.

Special Protective Equipment and Precautions for Fire-fighters

Use extreme caution. Fight fire from a safe distance or a protected location. For a massive fire, immediately evacuate the area and use unmanned hose holder or monitor nozzles.

SECTION 6. ACCIDENTAL RELEASE MEASURES**Personal Precautions, Protective Equipment, and Emergency Procedures**

Emergency responders: wear eye protection - goggles.

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. Large spills or leaks: contact emergency services and manufacturer/supplier for advice.

SECTION 7. HANDLING AND STORAGE**Precautions for Safe Handling**

Do not get in eyes.

Conditions for Safe Storage

Store in the original, labelled, shipping container. Store in an area that is: out of direct sunlight and away from heat and ignition sources.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Ethanol	1000 ppm		1000 ppm			

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	Clear colourless liquid. Particle Size: Not applicable
Odour	Alcoholic
Odour Threshold	Not available
pH	Not available
Melting Point/Freezing Point	Not applicable (melting); < -17 °C (1 °F) (freezing)
Initial Boiling Point/Range	Not available
Flash Point	25 °C (77 °F)
Evaporation Rate	Not available
Flammability (solid, gas)	Not applicable (liquid).
Upper/Lower Flammability or Explosive Limit	19% (upper); 3.3% (lower)
Vapour Pressure	Not available
Vapour Density (air = 1)	Not available
Relative Density (water = 1)	0.91
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); 0 - 10 centipoises (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

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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

Data not available.

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Ethanol	30000 mg/L (rat) (4-hour exposure)	10,470 mg/L (rat)	15,800 mg/L (rabbit)

Skin Corrosion/Irritation

May cause very mild irritation based on information for closely related chemicals.

Serious Eye Damage/Irritation

May cause very mild irritation based on information for closely related chemicals.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

No information was located.

Skin Absorption

No information was located.

Ingestion

May be harmful based on human experience and animal tests.

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 respiratory sensitization.

Carcinogenicity

Not known to cause cancer.

Reproductive Toxicity

Development of Offspring

No information was located.

Sexual Function and Fertility

No information was located.

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Effects on or via Lactation

No information was located.

Germ Cell Mutagenicity

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
Ethanol	14,2000 mg/L (Pimephales promelas (fathead minnow); 96-hour)	Not available	Not available	5,012 mg/L (Desmodesmus subspicatus (algae); 48-hour)

Persistence and Degradability

Degrades rapidly in sewage treatment plants.

Bioaccumulative Potential

This product and its degradation products are not known to bioaccumulate.

Mobility in Soil

No information was located.

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

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
IATA (Air)	UN1170	Ethyl Alcohol	3, Flammable Liquid	II
US DOT	ORM-D	Consumer Commodity (Exempt from 49CFR Classification)	Exempt 49CFR, 173.150	NA

Environmental Hazards Not applicable

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.

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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 - 3	Instability - 0
SDS Prepared By	John Koduru		
Date of Preparation	March 03, 2016		
Date of Last Revision	August 25, 2015		
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