



Safety Data Sheet

CENTRAL SOLUTIONS, INC.

Issue Date 18-Jan-2010

Revision Date: 28-Apr-2014

Version 2

1. IDENTIFICATION

Product Identifier

Product Name DermaGen Non-Alcohol Foaming Instant Hand Sanitizer

Other means of identification

SDS # 14110-0414

Other Information

R&D #RD8-68B
Item No.
SANI14114.

Recommended use of the chemical and restrictions on use

Recommended Use A foaming non-alcohol instant hand sanitizer. The active ingredient is Benzalkonium Chloride.

Details of the supplier of the safety data sheet

Manufacturer Address

Central Solutions, Inc.
401 Funston Rd.
Kansas City, KS 66115 |

Emergency Telephone Number

Company Phone Number 800-255-0262 (M-F 8AM to 5PM, CST)
Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America) |

2. HAZARDS IDENTIFICATION

Appearance Water clear

Physical State Liquid

Odor Pleasant

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.

Chemical blend.

4. FIRST-AID MEASURES

First Aid Measures

General Advice	Provide this SDS to medical personnel for treatment. Always get medical attention when product is swallowed or when symptoms are significant or persist.
Eye Contact	Flush with water for 15 minutes. If irritation persists, call physician.
Skin Contact	Is intended to be used on the skin. If irritation occurs, discontinue use.
Inhalation	Not an expected route of exposure.
Ingestion	If patient is conscious and alert, dilute by drinking large quantities of water. Allow vomiting to occur if patient is conscious and alert, then get medical attention.

Most important symptoms and effects

Symptoms	If in eyes: Burning sensation, watering, or redness. If swallowed: Possible gastrointestinal irritation or disturbance.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

This is a water based non-flammable product with no known fire or explosion hazards.

Hazardous Combustion Products Carbon oxides.

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

Personal Precautions	Use personal protective equipment as required.
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Methods and material for containment and cleaning up

Methods for Containment	Prevent further leakage or spillage if safe to do so.
Methods for Clean-Up	SMALL SPILLS: Small spills (< 1 gallon) may be washed down a drain or cleaned up and disposed of into a sanitary sewer system. LARGE SPILLS: Large spills (> 1 gallon) should be contained and collected (by absorption or vacuuming) then disposed of properly.

7. HANDLING AND STORAGE**Precautions for safe handling**

Advice on Safe Handling	Handle in accordance with good industrial hygiene and safety practice. Do not contaminate water, food, or feed. Do not reuse empty containers. Keep containers clean & closed.
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Conditions for safe storage, including any incompatibilities

Storage Conditions	Keep out of the reach of children.
Incompatible Materials	None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines The following information is given as general guidance

Appropriate engineering controls

Engineering Controls	Mechanical Ventilations (General): Normally sufficient Local Exhaust: Not Normally Needed.
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Individual protection measures, such as personal protective equipment

Eye/Face Protection	Not normally required under normal use conditions. Avoid eye contact when using.
Skin and Body Protection	NOT NEEDED, this product is a skin cleaner.
Respiratory Protection	Not needed. General ventilation is normally adequate.

General Hygiene Considerations Do not get into eyes. Protect food & drink from contamination by product.

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Physical State	Liquid	Odor	Pleasant
Appearance	Water clear	Odor Threshold	Not determined
Color	Water clear		

<u>Property</u>	<u>Values</u>	<u>Remarks</u>	<u>Method</u>
pH	5.00-7.00		
Melting Point/Freezing Point	Not established		
Boiling Point/Boiling Range	100 °C / 212 °F		
Flash Point	Not determined		
Evaporation Rate	Not established		
Flammability (Solid, Gas)	Not determined		
Upper Flammability Limits	Not available		
Lower Flammability Limit	Not available		

Vapor Pressure	Not established
Vapor Density	Not established
Specific Gravity	0.981 – 1.022
Water Solubility	Completely soluble
Solubility in other solvents	Not determined
Partition Coefficient	Not determined
Auto-ignition Temperature	Not determined
Decomposition Temperature	Not determined
Kinematic Viscosity	Not determined
Dynamic Viscosity	2000 to 4000 cps
Explosive Properties	Not determined
Oxidizing Properties	Not determined
Density	8.18-8.52 lbs/gal

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

None known based on information supplied.

Hazardous Decomposition Products

Carbon dioxide (CO₂), Sulfur dioxide.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact	May cause mild eye irritation.
Skin Contact	None, this product is a skin cleaner.
Inhalation	Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
Ingestion	Possible gastrointestinal irritation or disturbance.

Component Information

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

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 expected to be hazardous to the environment.

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

Not determined

Legend:

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

US Federal Regulations

SARA 313

Not determined

US State Regulations

U.S. State Right-to-Know Regulations

Not determined

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards	Flammability	Instability	Special Hazards Not determined
	0	0	0	
<u>HMIS</u>	Health Hazards	Flammability	Physical Hazards	Personal Protection
	0	0	0	Not determined

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Revision Note New format

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