



MATERIAL SAFETY DATA SHEET

HMIS: Health- 1 Flammability- 1 Reactivity- 0 Pers. Protection- N  
 NFPA: Health- 1 Flammability- 1 Reactivity- 0 Special Hazard- N  
 WHMIS: D 2 B

Section 1: Product and Company Identification

Product: Foaming Hand Sanitizer      Synonyms: Instant foaming hand sanitizer  
 NILODOR, INC.  
 10966 INDUSTRIAL PARKWAY NW  
 BOLIVAR, OHIO 44612, USA

Non-Emergency: US 800-443-4321  
 International 010-330-874-1017  
 24 hr Emergency Spill Information: Chem-Tel, Inc.  
 US, Canada: 800-255-3924. International: 1-813-248-0584

Section 2. Hazards Identification

**EMERGENCY OVERVIEW**

Appearance/Odor: Light purple free-flowing liquid  
 NOT Classified as hazardous by the criteria of NOHSC.

**WARNING**

Flammability : Not classified as flammable  
 Health Hazards Listed : May be a mild irritant  
 Ecological Hazards Listed : None known  
 Potential Health Effects: See section 11 for more information.  
 Likely Routes of Exposure: Skin, eyes, mouth

Eye: Direct exposure can irritate  
 Skin: Prolonged or repeated exposure can irritate  
 Ingestion: Can cause digestive distress  
 Inhalation: Not likely to be a problem

Medical Conditions Aggravated By Exposure:  
 None known

Target Organs: None known

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.  
 This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Environmental Effects: (See section 12 for more information.)  
 None known

Section 3. Composition/Information on Ingredients

Component	CAS#	% by Weight	WHMIS Controlled
Water	7732-18-5	Unknown	N

Cocamidopropyl Betaine	61789-40-0	Unknown	N
Propylene Glycol	57-55-6	Unknown	Y
Amine Oxide	68155-09-9	Unknown	N
Benzalkonium Chloride	68424-85-1	Unknown	N

#### Section 4. First Aid Measures

Eye Contact: Flush eyes with copious amounts of clean water. If irritation persists, get medical attention.

Skin Contact: Not expected to be a problem. Wipe off or rinse off with clean water if desired.

Inhalation: Remove to fresh air.

Ingestion: If conscious, give water or milk to drink.

Note to Physicians:

#### Section 5. Fire Fighting Measures

Suitable Extinguishing Media: Water, foam, carbon dioxide, dry chemical

Unsuitable Extinguishing Media: None known

Products of Combustion: Oxides of carbon, nitrogen, chlorine; chlorine; hydrogen chloride

Protection of Firefighters: Self-contained breathing apparatus if large quantities involved

#### Section 6. Accidental Release Measures

Personal Precautions: Keep out of mouth and eyes

Environmental Precautions: Keep out of surface waters and sanitary sewers

Methods for Containment: Dike area with sand, clay or other suitable material

Methods for Clean-Up: Absorb on sand, clay or other suitable material or mop up with water.

Other Information:

#### Section 7. Handling and Storage

##### HANDLING

Keep closed until ready to use.

##### STORAGE

Original container at ambient temperatures

#### Section 8. Exposure Controls/Personal Protection

##### EXPOSURE GUIDELINES

COMPONENT:	TWA:	LD-50
Water	Not applicable	Not applicable
Cocamidopropyl Betaine	None established	>5000 mg/kg
Propylene Glycol	None established	20 000 mg/kg
Amine Oxide	None established	>500 mg/kg
Benzalkonium Chloride	None established	>500 mg/kg

Engineering Controls: Not normally necessary

Eye/Face Protection: Protective goggles if handling large quantities

Skin Protection: Not normally necessary. Rubber or similar gloves may be worn.

Respiratory Protection: Not normally necessary.

General Hygiene Considerations: Reasonable care. Keep away from food and beverages.

#### Section 9. Physical and Chemical Properties

Color: Light purple.

Odor: Mild

Physical State: Liquid

Odor Treshhold:

pH: 6 – 7  
Evaporation Rate: Not determined  
Flash Point: >100°C/212°F Close cup  
Upper Flammability Limit: Not determined  
Vapor Pressure: As water  
Vapor Density: Not determined  
Volatile Organic Compound (VOC),%weight:  
Less than 1%

Freezing Point: Not determined  
Boiling Point: 100°C/212°F  
Flammability(solid,gas): Not applicable  
Lower Flammability Limit: Not determined  
Specific Gravity: 1  
Auto-ignition Temperature: Not determined  
Solubility (water): Soluble  
Percent Volatile: Undetermined

#### Section 10. Stability and Reactivity

Stability: Stable  
Conditions to Avoid: High temperatures  
Incompatible Materials: Strong acids, alkalis, or oxidizing agents  
Hazardous Decomposition Products: None known under conditions likely to be encountered  
Possibility of Hazardous Reactions: Very improbable

#### Section 11. Toxicology Information

##### ACCUTE EFFECTS

Oral LD50: Not determined for mixture. Weighted average more than 1000 mg/kg  
Dermal LD50: Not determined for mixture. Weighted average more than 1000 mg/kg  
Inhalation: Not determined for mixture. Low volatility. Weighted average more than 5 milligrams per Liter.  
Eye Irritation: Direct contact can irritate eyes  
Skin Irritation: While unlikely, prolonged or repeated contact could dry or irritate skin  
Sensitization: None known

##### CHRONIC EFFECTS

Carcinogenicity: None known  
Mutagenicity: None known  
Reproductive Effects: None known  
Developmental Effects: None known

#### Section 12. Ecological Information

Ecotoxicity: None known  
Persistence/Degradability: Biodegradable  
Bioaccumulation/Accumulation: None known  
Mobility in Environment: Not determined

#### Section 13. Disposal Considerations

Disposal: Dispose according to Federal, State or Provincial, and Local regulations.

#### Section 14. Transportation Information

US DOT (ground)  
Proper Shipping Description: Not a Hazardous Material  
CANADA TDG (ground)  
Proper Shipping Description: Not a Dangerous Good  
ICAO (air)  
Proper Shipping Description: Not a Dangerous Good  
IMDG (water)

Proper Shipping Description: Not a Dangerous Good

Section 15. Regulatory Information

Global Inventories

TSCA: United States	Included
DSL: Canada	Included
ECL: Korea	Not-Known
PICCS: Philippines	Not-Known
ENCS: Japan	Not-Known
AICS: Australia	Included
IECS: China	Not-Known
EINECS: European Union	Included

SARA 313 Information : Does not contain any SARA 313 substances

California Safe Drinking Water and Toxic Enforcement Act of 1986 :(Proposition 65)

Does not contain any Proposition 65 substances

WHMIS: Canadian Workplace Hazardous Material Information System

D 2 B

Section 16. Other Information

Legends:

NFPA, HMIS:

0=Minimal Hazard, 1=Slight Hazard, 2=Moderate Hazard, 3=Severe Hazard, 4=Extreme Hazard

Prepared By: Technical Dept.

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