



# Material Safety Data Sheet

This MSDS is prepared in accordance with OSHA 29 CFR 1910.1200

	Not controlled under WHMIS (Canada).	Not controlled under the HCS (United States).
WHMIS (Pictograms)	WHMIS (Classification)	HCS

## Section 1. Chemical Product and Company Identification

<b>Product Name/ Trade name</b>	<b>Clario Alcohol Free Foaming Hand Sanitizer</b>	<b>Code</b>	<b>778</b>
<b>Synonym</b>	Hand Sanitizer	<b>CAS #</b>	Mixture.
<b>Chemical Family</b>	Not available.	<b>Validation Date</b>	8/30/2007
<b>Chemical Formula</b>	Not applicable.	<b>Print Date</b>	8/30/2007
<b>Manufacturer/ Supplier</b>	Betco Corporation 1001 Brown Avenue Toledo, Oh 43607 (419) 241-2156	<b>In Case of Emergency</b>	Chemtrec (800) 424-9300
<b>TSCA</b>	TSCA Inventory: All components listed or are exempt from listing.		
<b>DSL/ NDSL</b>	All components listed unless noted elsewhere on this MSDS		
		<b>Protective Clothing</b>	

## Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits	LC <sub>50</sub> /LD <sub>50</sub>
Dimethicone	9006-65-9	0.1 - 5	Not available.	Not available.
benzethonium chloride	121-54-0	0.2	Not available.	ORAL (LD50): Acute: 295 mg/kg [Rat]. DERMAL (LD50): Acute: 3000 mg/kg [Rabbit].

## Section 3. Hazards Identification

<b>Potential Acute Health Effects</b>	Slightly hazardous in case of eye contact (irritant), of ingestion.
<b>Potential Chronic Health Effects</b>	Although unlikely, may aggravate existing skin conditions.
<b>Carcinogenic Effects</b>	Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

## Section 4. First Aid Measures

<b>Eye Contact</b>	Avoid contact with eyes. In case of contact with eyes, rinse immediately with plenty of water. Seek medical attention.
<b>Skin Contact</b>	Should skin irritation occur, discontinue use. If redness or irritation persists for more than 72 hours seek medical attention.
<b>Inhalation</b>	No specific data.
<b>Ingestion</b>	Call a poison control center immediately for treatment advice.

### Section 5. Fire Fighting Measures

**Products of Combustion** Not available.

**Fire Fighting Media and Instructions** SMALL FIRE: Use DRY chemical powder.  
LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

**Special Remarks on Fire Hazards** Not available.

**Special Remarks on Explosion Hazards** Not available.

### Section 6. Accidental Release Measures

**Small Spill and Leak** Absorb with an inert material and place in an appropriate waste disposal container.

**Large Spill and Leak** Absorb with an inert material and put the spilled material in an appropriate waste disposal. Prevent entry into sewers, basements or confined areas; dike if needed.

**Personal Protection in Case of a Large Spill** Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

### Section 7. Handling and Storage

**Precautions** Keep out of the reach of children.

**Incompatibility** Not available.

**Storage** Keep out of the reach of children. Keep container tightly closed and sealed until ready for use.

### Section 8. Exposure Controls/Personal Protection

**Engineering Controls** No special ventilation requirements.

**Personal Protection**

*Eyes* No special recommendations.

*Body* No special recommendations.

*Respiratory* No special recommendations.

*Hands* No special recommendations.

**Protective Clothing (Pictograms)**

**Exposure Limits** Not available.

### Section 9. Physical and Chemical Properties

**Physical State and Appearance** Liquid. (Produces foam when dispensed.)

**Odor** Pleasant.

**Molecular Weight** Not applicable.

**Taste** Not available.

**pH** 6.5 to 8 [Basic.]

**Color** Blue.

**Boiling/Condensation Point** 100°C (212°F)

**Melting/Freezing Point** Not available.

**Critical Temperature** Not available.

**Instability Temperature** Not available.

**Specific Gravity** 1.005 (Water = 1)

**Vapor Pressure** Not available.

**Vapor Density** Not available.

<b>Volatility</b>	>85% (w/w).
<b>VOC</b>	<2.3965 (g/l).
<b>Evaporation Rate</b>	>1 compared to Water
<b>Dispersion Properties</b>	Not available.
<b>Solubility</b>	Not available.
<b>The Product is:</b>	May be combustible at high temperature.
<b>Auto-ignition Temperature</b>	Not available.
<b>Flash Points</b>	CLOSED CUP: >98.889°C (210°F).
<b>Flammable Limits</b>	Not available.
<b>Fire Hazards in Presence of Various Substances</b>	Not available.
<b>Explosion Hazards in Presence of Various Substances</b>	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

### **Section 10. Stability and Reactivity Data**

<b>Stability</b>	The product is stable.
<b>Incompatibility with Various Substances</b>	Not available.
<b>Hazardous Decomposition Products</b>	Thermal decomposition may produce toxic vapors/ fumes of hydrogen chloride and other organic materials, and oxides of carbon and nitrogen.

### **Section 11. Toxicological Information**

<b>Routes of Entry</b>	Absorbed through skin. Eye contact. Ingestion.
<b>Toxicity to Animals</b>	LD50: Not available. LC50: Not available.
<b>Acute Effects on Humans</b>	<p><i>Eyes</i> This product is an eye irritant.</p> <p><i>Skin</i> No known significant effects or critical hazards.</p> <p><i>Inhalation</i> According to our data base, the product will not easily enter the human body.</p> <p><i>Ingestion</i> May cause gastrointestinal discomfort.</p>
<b>Chronic Effects on Humans</b>	Although unlikely, may aggravate existing skin conditions.
<b>Special Remarks on Toxicity to Animals</b>	Not available.
<b>Special Remarks on Chronic Effects on Humans</b>	Not available.

### Section 12. Ecological Information

Ecotoxicity Not available.

BOD5 and COD Not available.

Products of Biodegradation Not available.

Toxicity of the Products of Biodegradation Not available.

Special Remarks on the Products of Biodegradation Not available.

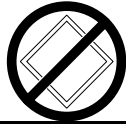
### Section 13. Disposal Considerations

Waste Information Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Waste Stream Not available.

### Section 14. Transport Information

DOT (U.S.A)  
(Pictograms)



TDG Classification Not controlled under TDG (Canada).



PIN UN, Proper Shipping Name, PG Not applicable.

Maritime Transportation Not available.

Special Provisions for Transport Not applicable.

### Section 15. Other Regulatory Information and Pictograms

WHMIS (Classification) Not controlled under WHMIS (Canada).



Regulatory Lists No products were found.

Other Regulations Not available. or of its ingredients

Other Classifications

HCS (U.S.A.) Not controlled under the HCS (United States).

USA Regulatory Lists No products were found.

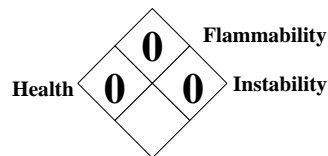
DSD (EEC) This product is not classified according to the EU regulations.

International Regulations Lists No products were found.

**Hazardous Material  
Information System  
(U.S.A.)**

Health	1
Flammability	0
Physical Hazard	0

**National Fire  
Protection  
Association  
(U.S.A.)**



The Hazard Ranking systems presented on this MSDS provide only a quick reference for hazard information. The ENTIRE MSDS must be consulted to determine any specific hazards, First Aid measures, and PPE associated with this product. **Specific Hazard**

**Section 16. Other Information**

Validated by CRushton on 8/30/2007.

Verified by CRushton.

Printed 8/30/2007.

**Information Contact Betco Corporation  
1001 Brown Avenue  
Toledo, Ohio 43607**

Notice to Reader:

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.*

*Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*

Validated on 8/30/2007.

**Clario Alcohol Free Foaming Hand  
Sanitizer**

**Page: 5/5**

**Continued on Next Page**