

(419) 241-2156

TSCA

DSL/ NDSL

Material Safety Data Sheet This MSDS is prepared in accordance with OSHA 29 CFR 1910.1200

Protective Clothing

		Not controlled under WHMIS (Canada).		controlle tes).	d under the HCS (United
WHMIS (Pictogran	ns)	WHMIS (Classification)			HCS
Section 1. Che	mica	Product and Company Identification			
Product Name/ Trade name		ect Effect E2 Food Industry Hand	Code		170
Synonym	Food	Industry Hand Cleaner	CAS#		Mixture.
Chemical Family	N/A		Validat	ion Date	6/13/2005
Chemical Formula	N/A		Print D	ate	6/16/2005
Manufacturer/ Supplier	1001	Corporation Brown Avenue o, Oh 43607	In Case o		mtrec (800) 424-9300

Section 2. Composition and Information on Ingredients				
Name	CAS#	% by Weight	Exposure Limits	LC ₅₀ /LD ₅₀
Quaternary Ammonium Chloride Cocamidopropyl Betaine Cocoamidopropylamine Oxide PEG-6 Cocamide	61789-40-0 68155-09-9	0 - 5 0 - 5 0 - 5 0 - 5	Not available. Not available. Not available. Not available.	Not available. Not available. Not available. Not available.

TSCA Inventory: All components listed or are exempt from listing.

All components listed unless noted elsewhere on this MSDS

Section 3. Hazards Identification		
Potential Acute Health Effects	No specific information is available in our database regarding the acute toxic effects of this material for humans.	
Potential Chronic Health Effects	Repeated skin exposure can produce local skin destruction, or dermatitis.	
Carcinogenic Effects	Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.	

Section 4. First Aid Measures		
Eye Contact	In case of contact with eyes, rinse immediately with plenty of water.	
Skin Contact	No specific data.	
Inhalation	No specific data.	
Ingestion	Have conscious person drink several glasses of water or milk. Seek medical attention.	

Section 5. Fire Fighting Measures	
Products of Combustion	Not available.
Fire Fighting Media and Instructions	Non-flammable substance.
Special Remarks on Fire Hazards	N/A
Special Remarks on Explosion Hazards	N/A

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.	
Personal Protection in Case of a Large Spill	Gloves. Safety glasses.	

Section 7. Har	Section 7. Handling and Storage		
Precautions	Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. If ingested, seek medical advice immediately and show the container or the label.		
Incompatibility	No incompatible product according to our data base.		
Storage	Keep out of reach of children. Keep container tightly closed. For Institutional and Commercial Use		

Section 8. Exposure Controls/Personal Protection		
Engineering Controls	Good general ventilation should be sufficient to control airborne levels.	
Personal Protection Eyes	Safety glasses.	
Body	No special protective clothing is required.	
Respiratory	Not applicable.	
Hands	Not applicable.	
Protective Clothing (Pictograms)		
Exposure Limits	Not available.	

Section 9. Physical and Chemical Properties			
Physical State and Appearance	Liquid.	Odor	Characteristic.
Molecular Weight	Not applicable.	Taste	
pН	7 to 8 [Basic.]	Color	Colorless.
Boiling/Condensation Point	212°F initial		
Melting/Freezing Point	Not available.		
Critical Temperature	Not available.		

Instability Temperature	Not available.
Specific Gravity	1 (Water = 1)
Vapor Pressure	20mm Hg @ 68°F
Vapor Density	>1 (Air = 1)
Volatility	85
VOC	Not available.
Evaporation Rate	<1
Dispersion Properties	See solubility in water.
Solubility	Soluble
The Product is:	May be combustible at high temperature.
Auto-ignition Temperature	Not available.
Flash Points	None to Boiling
Flammable Limits	N/A
Fire Hazards in Presence of Various Substances	Not available.
Explosion Hazards in Presence of Various Substances	Not Applicable

Section 10. Stability and Reactivity Data		
Stability	The product is stable.	
Incompatibility with Various Substances	No incompatible product according to our data base.	
Hazardous Decomposition Products	None Known	

Section 11. Toxico	logical Information
Routes of Entry	Absorbed through skin. Eye contact. Ingestion.
Toxicity to Animals	Acute oral toxicity (LD50): 4610 mg/kg [Rat]. (Nonionic Surfactant).
Acute Effects on Humans	
Eyes	Irritant.
Skin	Slightly irritating
Inhalation	According to our data base, the product will not easily enter the human body.
Ingestion	May cause gastrointestinal discomfort. May cause nausea, vomiting and diarhea.
Chronic Effects on Humans	Repeated skin exposure can produce local skin destruction, or dermatitis.
Special Remarks on Toxicity to Animals	Not available.

Special Remarks on Chronic Effects on Humans Not available.

Section 12. Ecological Information				
Ecotoxicity	Not available.			
BOD5 and COD	Will Not Occur			
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.			
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.		

DOT (U.S.A) (Pictograms) TDG Classification Not controlled under TDG (Canada). PIN UN, Proper Shipping Not applicable. Name, PG Maritime Transportation Not available. Special Provisions for Transport

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.) USA Regulatory Lists	Not controlled under the HCS (United	d States).		

DSD (EEC) This product is not classified according to the EU regulations. No products were found. **International Regulations Lists Hazardous Material** Health 1 National Fire Flammability 0 **Information System 0** Protection **Flammability** (U.S.A.) Instability Health < Association **Physical Hazard** (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 6/13/2005.

Verified by CRushton. Printed 6/16/2005.

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 6/13/2005.

Direct Effect E2 Food Industry Hand Cleaner

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