

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

$\bigcirc $		WHMIS Class D-2B: Material causing other toxic effects (TOXIC).		Class: Irrit	tating	g substance.
WHMIS (Pictogram	ns)	WHMIS (Classification)				HCS
Section 1. Chem	ical Pr	oduct and Company Identification				
Product Name/ Trade name	Citru	ıfoam	Cod	le		066
Synonym	All Pur	pose Cleaner/Degreaser	CA	S #		Mixture.
Chemical Family	Not av	ailable.	Val	idation Dat	te	3/20/2004
Chemical Formula	Not ap	plicable.	Pri	nt Date		3/27/2004
Manufacturer/ Supplier	1001 E Toledo	Corporation Brown Avenue 9, Oh 43607 241-2156		<u>ase of</u> rgency	Che	mtrec (800) 424-9300
TSCA	TSCA I	nventory: All components listed or are exempt from listing.				
DSL/ NDSL	All com	ponents listed unless noted elsewhere on this MSDS			Pro	tective Clothing

Section 2. Composition and Information on Ingredients				
Name	CAS #	% by Weight	Exposure Limits	LC <sub>50</sub> /LD <sub>50</sub>
1) Liquified Petroleum Gas	68476-85-7	5-10	TWA: 1000 (ppm) TWA: 1000 (ppm) from OSHA (PEL) [United States]	Not available.
2) Glycol Ether	112-34-5	0-5	Not available.	Not available.
<ol> <li>Sodium Lauryl Sulfate</li> </ol>	151-21-3	0-5	Not available.	Not available.
<ol> <li>Amphoteric Surfactant</li> </ol>	68298-20-4	0-5	Not available.	Not available.
5) Citrus Terpenes	5989-27-5	0-5	Not available.	ORAL (LD50): Acute: 5000 mg/kg [Rat]. DERMAL (LD50): Acute: 5000 mg/kg [Rabbit].
6) Monoethanolamine	141-43-5	0-5	TWA: 3 (ppm) TWA: 6 (ppm) from OSHA (PEL) [United States] STEL: 6 (ppm)	Not available.
7) Coconut Diethanolamide	8051-30-7	0-5	Not available.	Not available.
8) Tetrasodium salt of ethylendiaminetetraacetic acid	64-02-8	0-5	Not available.	ORAL (LD50): Acute: 3030 mg/kg [Rat].

Section 3. Hazards Identification		
Potential Acute Health Effects	Irritant. Irritating to mouth, throat and stomach. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.	
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	Flush with large quantities of water. Seek medical attention if irritation persists.	
Skin Contact	Flush with water. Seek medical attention if irritation occurs.	
Inhalation	N/A	
Ingestion	Dilute with two glasses of water. Seek medical attention if symptoms persists.	

Section 5. Fire Fighting Measures		
Products of Combustion	Not available.	
Fire Fighting Media and Instructions	Water, foam, CO2, dry chemical	
Special Remarks on Fire Hazards	N/A	
Special Remarks on Explosion Hazards	Heated cans may burst.	

Section 6. Accidental Release Measures		
Small Spill and Leak	N/A	
Large Spill and Leak	Aerosol that may flashback. Call for assistance on disposal.	
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 away from heat. Keep away from sources of ignition. Empty containers pose a fire risk. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. In case of insufficient ventilation, wear suitable respiratory equipment If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes	
Incompatibility	None known.	
Storage	Combustible materials should be stored away from extreme heat and away from strong oxidizing agents. Keep out of the reach of children. Not for use or storage in or around the home.	

Section 8. Exposure (	Controls/Personal Protection
Engineering Controls	Good general ventilation should be sufficient to control airborne levels.
Personal Protection	
Eyes	Safety glasses.
Body	
Respiratory	Not applicable.
Hands	Gloves.
Protective Clothing (Pictograms)	<b>K</b>

Exposure Limits

Liquified Petroleum Gas TWA: 1000 (ppm) TWA: 1000 (ppm) from OSHA (PEL) [United States] Monoethanolamine TWA: 3 (ppm) TWA: 6 (ppm) from OSHA (PEL) [United States] STEL: 6 (ppm)

Consult local authorities for acceptable exposure limits.

Section 9. Physical a	nd Chemical Properties		
Physical State and Appearance	Liquid.	Odor	Pleasant.
Molecular Weight	Not applicable.	Taste	
рН	10 to 11 [Basic.]	Color	White Foam
<b>Boiling/Condensation Point</b>	N/A		
Melting/Freezing Point	Not available.		
Critical Temperature	Not available.		
Instability Temperature	Not available.		
Specific Gravity	Not available.		
Vapor Pressure	40 psig @ 68°F		
Vapor Density	>1 (Air = 1)		
Volatility	95		
VOC	46 (%)		
Evaporation Rate	<1		
<b>Dispersion Properties</b>	See solubility in water.		
Solubility	Easily soluble in cold water.		
The Product is:	May be combustible at high temperature.		
Auto-ignition Temperature	Not available.		
Flash Points	Not available.		
Flammable Limits	LOWER: 1.8% UPPER: 8.4%		
Fire Hazards in Presence of Various Substances	Not available.		
Explosion Hazards in Presence of Various Substances	Containers may explode when heated.		

Section 10. Stability and Reactivity Data		
Stability	The product is stable.	
Incompatibility with Various Substances	None known.	
Hazardous Decomposition Products	Will not occur.	

Section 11. Toxicolo	gical Information
Routes of Entry	Absorbed through skin. Eye contact. Inhalation. Ingestion.
Toxicity to Animals	Acute oral toxicity (LD50): 3030 mg/kg [Rat]. (Tetrasodium salt of ethylendiaminetetraacetic acid).
Acute Effects on Humans	
Eye	s Eye irritant. May cause redness and swelling of the conjunctiva.
Skir	Defatting to skin on repeated contact.
Inhalation	2 N/A
Ingestion	May be irritating to the gastrointestinal system. Vomiting and diarrhea expected with large doses.
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	Not available.		
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
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Waste Information	Any method in accordance with applicable laws.	
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)	WHMIS Class D-2B: Ma	terial causing other toxic effects (TOXIC).	T		
Regulatory Lists	No products were f	No products were found.			
Other Regulations	OSHA: Hazardous	by definition of Hazard Communication	Standard (29 CFR 1910.1200).		
Other Classifications	HCS (U.S.A.)	Class: Irritating substance.			
	USA Regulatory Lists				
		SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Glycol Ether SARA 313 toxic chemical notification and release reporting: Glycol Ether			
	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.) The Hazard Ranking systems p	Health Flammability Physical Hazard presented on this MSDS pro	1 National Fire 1 Protection 0 Association (U.S.A.) vide only a quick reference for hazard informatio	Health Flammability Instability The ENTIRE Specific Hazard		
MSDS must be consulted to de	etermine any specific hazaro	ds, First Aid measures, and PPE associated with	this product.		
Section 16. Other l	nformation				
Validated by CRushton on 3/20/2004.		Verified by CRushton. Printed 3/27/2004.			
1	Betco Corporation 1001 Brown Avenue Foledo, Ohio 43607 419) 241-2156				
Notice to Reader					
for the accuracy or completeness Final determination of suitability	of the information contained h of any material is the sole re	erein.	er nor any of its subsidiaries assumes any liability whatsoe known hazards and should be used with caution. Althou		
Validated on 3/20/2004.		Citrufoam	Page: 5/5		

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