

DSL/ NDSL

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

		Е	Class: (Corrosive material
WHMIS (Pictogram	ms)	WHMIS (Classification)		HCS
Section 1. Che	emica	l Product and Company Identification		
Product Name/ Trade name	Citr	uSpray	Code	137
Synonym	Read	y-To-Use Foaming Degreaser	CAS#	Mixture.
Chemical Family	N/A		Validation	Date 7/13/2006
Chemical Formula	N/A		Print Date	7/13/2006
Manufacturer/ Supplier	1001 Toled	Corporation Brown Avenue o, Oh 43607 241-2156	In Case of Emergency	Chemtrec (800) 424-9300
TSCA	TSCA 1	Inventory: All components listed or are exempt from listing		Protective Clothing

All components listed unless noted elsewhere on this MSDS

Section 2. Composition and Information on Ingredients				
Name	CAS#	% by Weight	Exposure Limits	LC ₅₀ /LD ₅₀
Water	7732-18-5	90-95	Not available.	Not available.
Glycol Ether	112-34-5	0-5	Not available.	Not available.
Amphoteric Surfactant	68298-20-4	0-5	Not available.	Not available.
Nonionic Surfactant	9016-45-9	0-5	Not available.	Not available.
Sodium Metasilicate	6834-92-0	0-5	Not available.	Not available.
Xanthan Gum	11138-66-2	0-5	Not available.	ORAL (LD50): Acute: 45000 mg/kg [Rat].
Tetrasodium salt of ethylendiaminetetraacetic acid	64-02-8	0-5	Not available.	ORAL (LD50): Acute: 3030 mg/kg [Rat].
Citrus Terpenes	5989-27-5	0-5	Not available.	ORAL (LD50): Acute: 5000 mg/kg [Rat]. DERMAL (LD50): Acute: 5000 mg/kg [Rabbit].
Dye	N/A	<1	Not available.	Not available.

Section 3. Hazards Identification		
Potential Acute Health Effects	Corrosive to eyes and skin. Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath. Harmful if swallowed.	
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	Hold eye open and rinse slowly and thoroughly with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor immediately for treatment advice.	
Skin Contact	Rinse skin with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for further treatment advice.	
Inhalation	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration., preferably mouth to mouth if possible. Call a poison control center or doctor for further treatment advice.	
Ingestion	Call a poison control center immediately for treatment advice. Have person sip a glass of water if able to swallow. Do NOT induce vomiting unless instructed to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person	

Section 5. Fire Fighting Measures		
Products of Combustion	Not available.	
Fire Fighting Media and Instructions	Non-flammable substance.	
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	Corrosive liquid. Avoid to runoff to sewers and waterways. Wear Protective Clothing. Absorb with inert Material. Contact you local Emergency planning commission for further instructions. Absorb with an inert material and put the spilled material in an appropriate waste disposal.	
Personal Protection in Case of a Large Spill	Gloves (impervious). Boots. Face shield.	

Section 7. Handling and Storage			
Precautions	Avoid contact with skin and eyes. DO NOT ingest.		
Incompatibility	acids		
Storage	Corrosive materials should be stored in a separate safety storage cabinet or room. Keep out of reach of children. For Institutional and Commercial Use		

Section 8. Exposu	Section 8. Exposure Controls/Personal Protection		
Engineering Controls	Good general ventilation should be sufficient to control airborne levels.		
Personal Protection Eyes	s Splash goggles.		
Body	Long Pants and Long Sleeves to avoid skin cotact.		
Respiratory	Wear appropriate respirator when ventilation is inadequate.		
Hands	Gloves (impervious).		
Protective Clothing (Pictograms)			

Exposure Limits

Sodium Hydroxide TWA: 2 (mg/m³) from OSHA (PEL)

Consult local authorities for acceptable exposure limits.

Section 9. Physica	al and Chemical Properties		
Physical State and Appearance	Liquid	Odor	Citrus
Molecular Weight	Not applicable.	Taste	Not available.
рН	12.5 to 13.5 [Basic.]	Color	Orange.
Boiling/Condensation Point	100°C (212°F)		
Melting/Freezing Point			
Critical Temperature	Not available.		
Instability Temperature	Not available.		
Specific Gravity	1 (Water = 1)		
Vapor Pressure	Not available.		
Vapor Density	>1 (Air = 1)		
Volatility	>85% (w/w).		
VOC	31.934 (g/l).		
Evaporation Rate	<1		
Dispersion Properties	See solubility in water.		
Solubility	Soluble		
The Product is:	Non-flammable.		
Auto-ignition Temperature	Not available.		
Flash Points	CLOSED CUP: >98.889°C (210°F).		
Flammable Limits	Not available.		
Fire Hazards in Presence of Various Substances	Non-flammable.		
Explosion Hazards in Presence of Various Substances	Not applicable		

Section 10. Stability and Reactivity Data	
Stability	The product is stable.
Incompatibility with Various Substances	acids
Hazardous Decomposition not available Products	

Section 11. Toxico	ological Information
Routes of Entry	Skin contact. Eye Contact Ingestion. INHALATION
Toxicity to Animals	not available
Acute Effects on Humans	
Eyes	Corrosive to eyes.
Skin	Corrosive to skin on contact. Skin contact may produce burns.
Inhalation	Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath. Over-exposure by inhalation may cause respiratory irritation.
Ingestion	May be fatal if swallowed. May cause burns to mouth, throat, and stomach.
Chronic Effects on Humans	Repeated skin exposure can produce local skin destruction, or dermatitis.
Special Remarks on Toxicity to Animals	No additional remark.
Special Remarks on Chronic Effects on Humans	No additional remark.

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	of Not available.	
Special Remarks on the Products of Biodegradation	No additional remark.	

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 Class 8: Corrosive material



PIN UN, Proper Shipping Shipping name: CORROSIVE LIQUIDS, N.O.S. UNNA: UN1760 PG: II Name, PG (Contains Caustic Soda)

Maritime Transportation Not available.

Special Provisions for

Not available.

Transport

Section 15. Other Regulatory Information and Pictograms					
WHMIS (Classification)	Е				
Regulatory Lists	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: Corrosive material			
	USA Regulatory Lists	California prop. 65: This product contains the following ingredients for which the State of California has found to cause reproductive harm (female) which would require a warning under the statute: Ethylene Oxide < 1 ppm California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Ethylene Oxide < 1 ppm Massachusetts RTK: Ethylene Oxide SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Glycol Ether; Sodium Hydroxide: immediate health hazard 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 promoted to de	Health Flammability Physical Hazard resented on this MSDS ptermine any specific hazard	National Fire Protection Association (U.S.A.) rovide only a quick reference for hazard information. The ENTIRE ards, First Aid measures, and PPE associated with this product.			

Section 16. Other Information Validated by CRushton on 7/13/2006. Verified by CRushton. Printed 7/13/2006. 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.

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