

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

(WHMIS Class B-3: Combustible liquid with a flash point between 37.8 (100°F) and 93.3°C (200°F). WHMIS CLASS D-2: Material causing othe toxic effects.		Class: (Combu etween	substance. stible liquid having a flash 37.8°C (100°F) and 93.3°C
WHMIS (Pictogram	is)	WHMIS (Classification)				HCS
Section 1. Chem	ical Pr	oduct and Company Identification				
Product Name/ Trade name	Citru	isolv 40	Cod	le		211
Synonym	Degrea	aser	CA	S #		Mixture.
Chemical Family	Not av	ailable.	Val	idation D	ate	3/22/2004
Chemical Formula	Not ap	plicable.	Priı	nt Date		3/27/2004
Manufacturer/ Supplier	1001 E Toledo	Corporation Brown Avenue 9, Oh 43607 241-2156	-	<u>ase of</u> r <u>gency</u>	Cher	ntrec (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			Prot	tective Clothing

Section 2. Composition and Information on Ingredients				
Name	CAS #	% by Weight	Exposure Limits	LC ₅₀ /LD ₅₀
1) Citrus Terpenes	5989-27-5	35-39	Not available.	ORAL (LD50): Acute: 5000 mg/kg [Rat]. DERMAL (LD50): Acute: 5000 mg/kg [Rabbit].
2) Propylene Glycol NButyl Ether	5131-66-8	5-10	Not available.	Not available.
3) Coconut Diethanolamide	8051-30-7	5-10	Not available.	Not available.
4) Anionic Surfactant	5324-84-5	0-5	Not available.	Not available.
5) Nonionic Surfactant	9016-45-9	0-5	Not available.	Not available.
6) Dye	N/A	0-0.5	Not available.	Not available.

Section 3. Hazards Identification

Potential Acute Health Effects Harmful if swallowed. This product is an eye irritant.

Potential Chronic Health Over-exposure by inhalation may cause respiratory irritation. Effects

Carcinogenic Effects Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

Section 4. First Aid Measures	
Eye Contact	Avoid contact with eyes. In case of contact with eyes, rinse immediately with plenty of water. Seek medical attention.
Skin Contact	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

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. Do not induce vomiting. NEVER give an unconscious person anything to ingest.

Section 5. Fire Fighting Measures	
Products of Combustion	Not available.
Fire Fighting Media and Instructions	Use DRY chemicals, CO2, or foam.
Special Remarks on Fire Hazards	May explode when heated.
Special Remarks on Explosion Hazards	No additional remark.

Section 6. Accidental Release Measures		
	Warn personnel to move away. Absorb with an inert material and place in an appropriate waste disposal container.	
Large Spill and Leak	Absorb with DRY earth, sand or other non-combustible material.	
	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	Avoid breathing vapors or spray mists. In case of insufficient ventilation, wear suitable respiratory equipment. Keep away from heat.	
Incompatibility	combustible materials	
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	Splash goggles.
Body	No special protective clothing is required.
Respiratory	Wear appropriate respirator when ventilation is inadequate.
Hands	Gloves.
Protective Clothing (Pictograms)	
Exposure Limits	Not available.

Section 9. Physical a	and Chemical Properties		
Physical State and Appearance	Liquid	Odor	Citrus (Strong.)
Molecular Weight	Not applicable.	Taste	Not available.
рН	Not available.	Color	Clear
Boiling/Condensation Point	156.8888889°C (314.4°F)		
Melting/Freezing Point	Not available.		
Critical Temperature	Not available.		
Instability Temperature	Not available.		
Specific Gravity	0.92 (Water = 1)		
Vapor Pressure	<10 mm of Hg (@ 20°C)		
Vapor Density	>1 (Air = 1)		
Volatility	Not available.		
VOC	Not available.		
Evaporation Rate	<1 compared to Water		
Dispersion Properties	Not available.		
Solubility	Soluble		
The Product is:	COMBUSTIBLE.		
Auto-ignition Temperature	Not Available		
Flash Points	CLOSED CUP: 51.111°C (124°F).		
Flammable Limits	Not Available		
Fire Hazards in Presence of Various Substances	COMBUSTIBLE.		
Explosion Hazards in Presence of Various Substances	Drums Heated By Fire Can explode		

Section 10. Stability a	Section 10. Stability and Reactivity Data	
Stability	The product is stable.	
Incompatibility with Various Substances	combustible materials	
Hazardous Decomposition Products	Not available.	

Section 11. Toxicolog	Section 11. Toxicological Information		
Routes of Entry	Eye contact. Ingestion. Inhalation. Skin contact.		
Toxicity to Animals	LD50: Not available. LC50: Not available.		
Acute Effects on Humans			
Eyes	Very hazardous in case of eye contact (irritant). Inflammation of the eye is characterized by redness, watering, and itching.		
Skin	Hazardous in case of skin contact (irritant). Non-sensitizer for skin. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.		
Inhalation	Hazardous in case of inhalation.		
Ingestion	Very hazardous in case of ingestion.		
Chronic Effects on Humans	Over-exposure by inhalation may cause respiratory irritation.		
Special Remarks on Toxicity to Animals	No additional remark.		
Special Remarks on Chronic Effects on Humans	No additional remark.		

Section 12. Ecologic	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 Applicable		
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	Not a TDG controlled material.		
PIN UN, Proper Shipping Name, PG	Not applicable.		
Maritime Transportation	Not available.		

WHMIS (Classification)	WHMIS Class B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F). WHMIS CLASS D-2: Material causing other toxic effects.			
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: Irritating substance. Class: Combustible liquid having a flash point between 37.8°C (100°F) and 93.3°C (200°F).		
	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		
		SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Citrus Terpenes: fire, immediate health hazard		
	DSD (EEC)	R10- Flammable.		
	International Regulations Lists	No products were found.		
		* 2 National Fire 2 Protection Association (U.S.A.) Vide only a quick reference for hazard information. The ENTIRE rds, First Aid measures, and PPE associated with this product.		

Section 16. Other Information

Validated by CRushton on 3/22/2004.

Verified by CRushton. Printed 3/27/2004.

Information Contact

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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 3/22/2004.

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