

MATERIAL SAFETY DATA SHEET

This Material Safety Data Sheet complies with the Canadian Controlled Products Act

NOTE: THE FOLLOWING INFORMATION PROVIDED IS FOR THE PRODUCT CONCENTRATE ONLY, NOT FOR USE-DILUTIONS

		SECTION 1	– PRODUCT IDEI	NTIFICATION	
PRODUCT IDENTIFIER:	ITRIO				
PRODUCT USE: C	itrus based C	leaner and De	egreaser	1	
U S E	elocity Chem nit #1, 9515- urrey, B.C. V mergency Te acsimile: (604	190 th St., 4N-3S1 Iephone: (604	In case of transporation emergency or product spill, contact: In Canada- CANUTEC @ 613-996-6666 (24 hrs.)		
	S	ECTION 2	– HAZARDOUS II		;
HAZARDOUS INGREDIENTS	% (W/W)	CAS NUMBER	LD50	LC50	EXPOSURE LIMITS
D-Limonene	30-60	5989-27-5	> 5 g/kg (oral/dermal, rabbit)	Not available	Not established
Ethylene Glycol Monobutyl Ether	5-10	111-76-2	470mg/kg (oral,rat), 220mg/kg (skin,rabbit)	450ppm (inhal.,4hrs, rat)	OSHA(PEL)= 50ppm,skin ACGIH(TWA)= 20ppm,skin IDHL= 700ppm
Ethanolamine	5-10	141-43-5	1.72 g/kg (oral,rat), 1.0 g/kg (skin,rabbit)	Not available	OSHA(PEL) & ACGIH(TLV)= 3ppm(TWA) ACGIH(TLV)= 6 ppm(STEL)
Ethoxylated Alcohol	5-10	68131-39-5	500-5000mg/kg (oral,rat)	Not available	Not established
	I	SECT	ON 3 - PHYSICA	L DATA	1

Vapour Pressure: not determined Evaporation Rate: not determined		
Evaporation Rate: not determined		
Boiling Point (°C): not determined Freezing Point (°C): not determined		
determined		
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DEXPLOSION DATA		
Flash Point (°C) and method: 52.5°C (PMCC)		
Upper Flammable limit (% volume): not applicable		
Lower Flammable limit (% volume): not applicable		
Autoignition temperature (°C): not applicable		
Hazardous combustion products: carbon and		
nitrogen oxides, and other toxic organic vapours.		
ditions		

Incompatibility with other substances: yes

If so, under what conditions: strong alkalis, acids and oxidizers

Reactivity, and under what conditions: none known

Hazardous Decomposition Products: may form carbon and nitrogen oxides upon thermal decomposition.

SECTION 6 – TOXICOLOGICAL PROPERTIES

Primary route of entry: skin and eye contact, skin absorption, inhalation

Effects of Acute Exposure to Product: Product exposure can cause irritation or burns to skin and eyes. Inhaling mist or vapors can cause immediate irritation, burns or discomfort to respiratory system, headaches, nausea, etc. Also, may be harmful if absorbed through skin.

Effects of Chronic Exposure to Product: Prolonged exposure may cause skin dermatitis and respiratory disorder. May also cause blood, kidney and liver disorders through repeated exposure of Ethylene glycol Monobutyl ether (based on animal test data).

Exposure Limits: see Section 2 under Hazardous	Mutagenicity: none known		
Ingredients	Carcinogenicity: glycol ether monobutyl ether is		
Irritancy of Product: corrosive to skin, eyes and respiratory system.	classified as Group 3 (Unclassifiable as to carcinogenicity in humans) under IARC and A3 (confirmed animal carcinogen		
Sensitization: D-limonene may cause skin sensitization	with unknown revelence to humans) under ACGIH.		
in some individuals.	Teratogenicity: none known		
Reproductive Toxicity: none known	Synergistic Products: none known		

CITRIO

SECTION 7 – PREVENTATIVE MEASURES

Respiratory Protection: Use a NIOSH/OSHA approved for alkaline mist/dust and organic vapor respirator if mists or vapors are present. Gloves: nitrile, neoprene or viton Eye Protection: splash proof chemical goggles or face shield.	Footwear: boots Clothing: long sleeve coveralls Other: neoprene apron

Engineering Controls: General ventilation for normal operating conditions or local exhaust for confined areas.

Leak and Spill Procedures: Wear protective equipment. Extinguish all nearby ignition sources. Contain spill. Prevent runoff to drains or sewers. Recover material by vacuum or pump into a suitable flammable waste container. Soak up residue with suitable absorbent ,and then dispose of into a flammable waste container. Reuse material if possible, or otherwise dispose in accordance with local regulations.

Waste Disposal: Dispose of in accordance with local environmental regulations.

Handling Procedures and Equipment: Use good hygiene practices. Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists. Use with adequate ventilation. Use proper grounding procedures when handling. Empty container may contain flammable residues/vapors. Do not cut, puncture, or weld near empty container. Safety shower and eye wash station should be available in the immediate work area.

Storage Requirements: Store in a cool, dry place away from all nearby ignition sources and incompatibles. Do not mix with any other chemicals. Keep container closed when not in use. Keep from freezing and temperatures below 30°C.

Special Shipping Information:

WHMIS Classification: B3, D2B, E

TDG Classification:

Flammable Liquid, Corrosive, N.O.S. (D-Limonene & Ethanolamine Mixture), Class 3(8), UN 2924, P.G. III

SECTION 8 – FIRST AID MEASURES

Inhalation:Remove victim to fresh air, apply artificial respiration if necessary. Seek medical help.Ingestion:Give large amounts of water if conscious. Do not induce vomiting. Get medical help immediately.Skin Contact:Wash thoroughly with water for 15 minutes. If irritation persist, seek medical attention.Eye Contact:Flush immediately with water for 15-20 minutes. Seek medical help.

SECTION 9 - OTHER INFORMATION							
REVISIONS:	October 15, 2010	SUPERCEDES:	December 14, 2007				
PREPARED BY:	Technical Department (Customer Service phone number: 604-881-4700)						
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