

# SUPPLIER MATERIAL SAFETY DATA SHEET (MSDS)

N/D=Not Determined  
N/A=Not Applicable

<b>Product:</b> CITRUS PRO	<b>Manufacturer:</b> ESTEAM	<b>Flammability:</b> 2	<b>Reactivity:</b> 0
<b>Use:</b> Carpet spotting		<b>Health:</b> 2	<b>Protection:</b>
NFPA LEAST=0, SLIGHT=1, MODERATE=2, HIGH=3, EXTREME=4			

HAZARDOUS INGREDIENTS	CAS #	% WT	HAZARD DATA	EXPOSURE LIMITS (TLV)
D-Limonene	5989-27-5	30-60	LD50 4400 mg/kg (oral-rat)	N/A
Solvent Naptha	64742-88-7	60-90	LD50 > 2000 mg/kg (oral-rat)	100 ppm
Diopropylene Glycol Monomethyl Ether	34590-94-8	10-15	LD50 5135 mg/kg (oral-rat)	100 ppm

PHYSICAL DATA				Freeze/Thaw
<b>Physical State:</b> Clear liquid	<b>Boiling Point (C):</b> 149-185	<b>Solubility in Water:</b> Negligible	<b>Evaporation Rate:</b> .21	<b>Stable:</b> Doesn't freeze
<b>Odor/ Appearance:</b> Citrus odor	<b>Freezing Point (C):</b> N/A	<b>Ph (undiluted):</b> N/A	<b>Specific Gravity:</b> N/A	<b>Percent Volatile (vol):</b> N/D
				<b>Vapor Pressure:</b> .37-.39 kPA@20°C

FIRE & EXPLOSION HAZARD		Conditions:
<b>Flammability:</b> Y	<b>Means of Extinction:</b> Dry chemical, CO2, foam, water fog	In presence of open flames and sparks
<b>Special Procedures:</b> Do not use water except as fog	<b>Explosion Sensitivity to Impact:</b> None	<b>Hazardous Combustion Products:</b> Carbon monoxide
<b>Chemical Sensitivity to Static Discharge:</b> N/A	<b>Flashpoint (C) &amp; Method:</b> 40-41.7 TCC	<b>Upper Explosion Limit (% by vol):</b> 6.0
		<b>Lower Explosion Limit (% by vol):</b> 1.0
		<b>Auto-ignition:</b> N/D
		<b>Rate of Burning:</b> N/D
		<b>Explosive Power:</b> N/D
		<b>TDG/WHMIS:</b> Non hazardous / B2, D2B

REACTIVITY DATA	Chemical Stability:	Incompatible Substances:
<b>Hazardous Decomposition Product:</b> CO and CO2 are produced on combustion	Stable	Strong oxidizing agents

TOXICOLOGICAL PROPERTIES			Effects of Overexposure:
<b>Route of Entry - Skin Contact:</b> Y	<b>Reproductive Effects Y/N:</b> N	<b>Acute Effects:</b>	Inhalation may be irritating. Eye and skin contact may cause moderate irritation.
<b>Route of Entry - Skin Absorption:</b> N	<b>Carcinogenicity Y/N:</b> N	<b>Chronic Effects:</b>	Frequent or prolonged contact may irritate skin
<b>Route of Entry - Eye Contact:</b> Y	<b>Mutagenicity Y/N:</b> N		
<b>Route of Entry - Inhalation:</b> Y	<b>Teratogenicity Y/N:</b> N/D		
<b>Route of Entry - Ingestion:</b> Y	<b>TLV:</b> N/D		

PREVENTATIVE MEASURES			
<b>Gloves:</b> Impervious gloves	<b>Footwear:</b> Rubber	<b>Clothing:</b> Rubber apron	<b>Other:</b> None
<b>Eyes:</b> Chemical safety glasses	<b>Respirator:</b> Niosh approved respirator		

<b>Recommended Engineered Controls:</b> Local exhaust recommended.	<b>Leak &amp; Spill Procedures:</b> Eliminate sources of ignition. Flush with water to a sanitary sewer.	<b>Waste Disposal Methods:</b> According to federal, provincial and municipal regulations.	<b>Special Handling Procedures:</b> Store in a cool, dry, well ventilated area.
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FIRST AID MEASURES	
<b>Inhalation:</b>	Move person to fresh air. If necessary give artificial respiration or oxygen. Call doctor if in distress.
<b>Ingestion:</b>	Get immediate medical attention.
<b>Eye Contact:</b>	Immediately flush eyes with running water for at least 15 minutes. Call a physician.
<b>Skin Contact:</b>	Wash skin with soap and water. Launder clothing before reuse.

<b>Prep./Revised Date:</b> January 15, 2014	<b>Mailing Address:</b> Esteam Manufacturing Ltd. 3750-19th Street NE Calgary, AB T2E 6V2
<b>Prepared By:</b> R. Russell	
<b>Source Material:</b> Manufacturer's MSDS	
<b>Emergency Response:</b> 1-613-996-6666 (Transport Emergencies)	



This information is complete to the best of our knowledge, however, users are encouraged to make their own investigations into the suitability of the information to their particular purposes. READ THE LABEL before using this or any product, and take any necessary precautions, dictated by the label or by common sense to ensure that your health is protected.