

# **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 IDENTIFICATION							
PRODUCT IDENTIFIER:	ORTEX						
PRODUCT USE: S	olvent Degre	aser					
SUPPLIER: Velocity Chemicals Ltd. Unit #1, 9515- 190 <sup>th</sup> St., Surrey, B.C. V4N-3S1 Emergency Telephone: (604) 881-4700 Facsimile: (604) 881-4701					In case of transporation emergency or product spill, contact: In Canada- CANUTEC @ 613-996-6666 (24 hrs.)		
	ę	SECTION 2	– HAZARDOUS	INGREDIEN	ITS		
HAZARDOUS INGREDIENTS % (W/W) CAS NUMBER		LD50	LC50	EXPOSURE LIMITS			
Heavy Aromatic Solvent Naphtha Naphthalene	70-100 < 0.1	64742-94-5 91-20-3	3 g/kg (oral,rat) > 3g/kg (skin,rabbit)	Not available	Manufacture Recommendation= 17ppm (100mg/m3)- TWA on total hydrocarbons ACGIH (Napthalene)= 10ppm(skin)- TWA & 15ppm(skin)- STEL OSHA (Napthalene)= 10ppm-TWA & 15ppm-STEL		
Ethoxylated Nonylphend	I 10-20	127087-87-0	Not available	Not available	Not established		
SECTION 3 – PHYSICAL DATA							

Physical state: liquid	Vapour Density: not determined		
Solubility: dispersible in water	Vapour Pressure: not determined		
Odour and Appearance: clear, mild aromatic odor	Evaporation Rate: not determined		
pH (100%) @ 20°C: Not applicable	Boiling Point (°C): not determined		
Specific Gravity @ 20°C: 0.90	Freezing Point (°C): not determined		
Odour Threshold (ppm): not established	Coefficient of water/oil distribution: not determined		

## VORTEX

Flammability: Yes, combustible under WHMIS B3 If yes, under what condition: heat, open flames, sparks and other ignition sources Means of Extinction: Dry chemical, alcohol foam, CO <sub>2</sub> , water spray. Use extinguishing media suitable for surrounding fires. Special Fire Fighting Procedures: Wear NIOSH/OSHA approved, self contained breathing apparatus for fire fighting situations. Use water spray to cool all nearby fire exposed surfaces. Explosion Data- Sensitivity to impact: None Sensitivity to static discharge: None	Flash Point (°C) and method: 63°C (PMCC) Upper Flammable limit (% volume): not applicate Lower Flammable limit (% volume): not applicate Autoignition temperature (°C): not applicable Hazardous combustion products: carbon oxides and other toxic organic vapours.			
SECTION 5 – REACTIVITY DATA				
Chemical Stability: yes, stable under normal storage conditions If no, under what conditions: Incompatibility with other substances: yes If so, under what conditions: strong acids, alkalis and oxidizers Reactivity, and under what conditions: none known Hazardous Decomposition Products: carbon oxides upon thermal decomposition.				

# SECTION 6 – TOXICOLOGICAL PROPERTIES

Primary route of entry: skin and eye contact, inhalation

Effects of Acute Exposure to Product: Product exposure may cause irritation to skin and eyes. Inhaling mist or vapors may cause irritation, discomfort to respiratory system and central nervous system(CNS) effects. Symptoms may include headaches, loss of coordination, nausea, etc.

Effects of Chronic Exposure to Product: Prolonged exposure may cause skin dermatitis.

Exposure Limits: see Section 2 under Hazardous Ingredients	Mutagenicity: none known Carcinogenicity: Limited evidence of carcinogenic effect for naphthalene. IARC rates naphthalene under Group 2B- possible human carcinogen. ACGIH rates naphthalene under Group A4- not classifiable as a human carcinogen. NTP rates naphthalene as a suspect human carcinogen.	
<b>Irritancy of Product:</b> may be irritating to skin, eyes and respiratory system.		
Sensitization: none known		
Reproductive Toxicity: none known		
	Teratogenicity: none known	
	Synergistic Products: none known	
VORTEX		

# SECTION 7 – PREVENTATIVE MEASURES

Respiratory Protection: Use a NIOSH/OSHA approved for 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.	

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. 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 storage temperature between 4°C to 30°C.

Special Shipping Information:

WHMIS Classification: B3, D2B

TDG Classification: Not Regulated

### **SECTION 8 – FIRST AID MEASURES**

Inhalation:<br/>Ingestion:Remove victim to fresh air, apply artificial respiration if necessary. Seek medical help.Ingestion:<br/>Skin Contact:Give large amounts of water if conscious. Do not induce vomiting. Get medical help immediately.<br/>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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