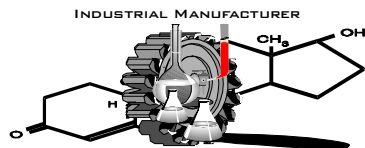


# Material Safety Data Sheet



## Environmentally friendly paint stripper EFS-2500

### SECTION 01: PRODUCT AND COMPANY IDENTIFICATION

Product Trade Name .....	EFS-2500
Product Identifier .....	777-Series
Manufacturer .....	Molecular Tech Coatings Inc. 6-20030 Stewart Cres. Maple Ridge BC V2X 0T4 Canada. Senior Chemist
Prepared By .....	January 2009
Preparation Date .....	(604) 465-8028 / (604) 328-4968
Emergency Phone # .....	00009
Revision Number .....	All of the ingredients of this product are listed on the domestic substances list (DSL)
CEPA Status .....	Health: 1
Hazard rating (0-minimal; 1-slight; 2-moderate; 3-high; 4-extreme) .....	Flammability 0
.....	Reactivity 0
.....	Class D; Div 2 ; Subdivision B
WHMIS .....	Not regulated
TDG Classification .....	Solvent mixture, and water.
Material Use .....	

### SECTION 02: HAZARDOUS INGREDIENTS

Proprietary Formula: CONTAINS NO COMPONENTS THAT ARE REPORTED TO BE CARECINOGENIC TO HUMANS BY ANY REFERENCE SOURCE INCLUDING, IARC, OSHA, NTP & EPA. NONE OF THE COMPONENTS OF THE EFS-2500 PAINT STRIPPER APPEAR ON ANY OF THE EPA'S LISTS OF TOXIC OR HAZARDOUS SUBSTANCES.

Note: N/A= Not available. N/E= Not established

### SECTION 03: PHYSICAL DATA

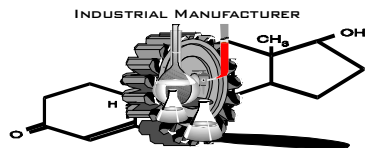
Physical State: .....	Liquid
Chemical Family .....	N/A
Odor .....	Pleasant aromatic odor
Odor/Appearance .....	Viscous, milky solution
Vapor Pressure (MMHG) .....	4-9 mm/hg (Calculated)
Vapor Density (air =1) .....	Not Applicable
% Volatile by volume .....	60
% Volatile by weight .....	40
Evaporation Rate .....	Slow than ether
Boiling Point .....	172 degree Celsius (Calculated)
Freezing Point .....	None
VOC (g/l) .....	300g/l-360g/l
PH .....	5.6-7.2
Specific Gravity (water = 1) .....	1.001-1.007
Solubility in Water (% W/W) .....	Light
Coefficient of Water/Oil Distribution .....	Not Available
Molecular Formula .....	Not Applicable
Molecular Weight .....	Not Applicable

### SECTION 04: FIRE AND EXPLOSION DATA

Flammability .....	None
If YES, under what conditions? .....	N/A.
Flash Point .....	>93 degree Celsius (Theo.)
Fire Extinguishing Media .....	Use water only, or soapy water.
Special Fire Fighting Procedures .....	wear self-contained breathing apparatus. Do not breathe fumes. Use water spray to keep containers cool.
Auto Ignition Temperature .....	Not Available

Disclaimer: All technical advice, recommendations and service rendered by the seller are gratis. They are based on technical data which the seller believes to be reliable and are intended for use by persons having skills and know-how at their own discretion and risk. In no event will the seller be liable for any consequential damages arising out of the use of this product.

# Material Safety Data Sheet



## Environmentally friendly paint stripper EFS-2500

TDG Flammability Class.....	Not flammable
Upper Explosion Limit.....	Not Available
Lower Explosion Limit.....	Not Available
Hazardous Combustion Products.....	Oxygen gas
Explosion Data:.....	Contains 0.03-5% hydrogen peroxide. Hydrogen peroxide itself reacts with a wide range of materials and although noncombustible, it can release oxygen to increase the combustion rate of other materials. Low concentrations will not usually ignite combustibles immediately, but subsequent water evaporation can cause delay of detonation. Contact with organic liquids or vapors may cause fire or explosion, especially if heated, or may delayed detonation. USE ONLY PVC, STEELLESS STEEL, OR TEFLON SHAFT PUMP. DO NOT LIVE THE PUMP SHAFT DIPPING IN THIS PAINT STRIPPER DRUM OR PAIL TO AVOID THE REACTION OF SHAFT WITH HYDROGEN PEROXIDE THAT CAN CAUSE THE DELAYED OF DEONATION. Please remove the pump from the drum or pail then clean and dry for the next use.

### SECTION 04: FIRE AND EXPLOSION DATA

Sensitivity to static:.....	N/A
Discharge:.....	N/A
Sensitivity to impact:.....	NONE
Rate of burning:.....	Not Applicable
Explosive power:.....	Not Available

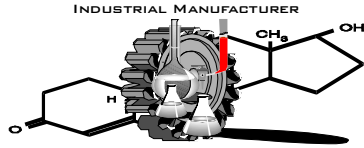
### SECTION 05: REACTIVITY DATA

Chemical Stability.....	Stable: YES
Incompatible Materials.....	Conditions to avoid: Excessive heat or contamination Caustics, acids, alkali, cyanide, hexavalent chromium compounds, zinc compounds, zinc shaft of the pump, steel shaft of the pump, nitric acid, potassium permanganate, metals catalyst (Cobalt, zinc, calcium, manganese, lead, zirconium, bismuth...), metals, oxidizing, reducing agents, and flammables.
Reactivity, under what conditions.....	Heat or contamination and heavy metals.

### SECTION 06: TOXICOLOGICAL INFORMATION

Route of Entry:.....	Skin Contact: This product may cause skin irritation and/or sensitization after repeated contact.
.....	Skin Absorption: Not Applicable
.....	Eye Contact: Severe irritation, redness, tearing, blurred vision.
.....	Inhalation, Acute: High concentration can cause severe mucous membrane irritation and inflammation, pulmonary edema, and systematic poisoning with shock, coma and seizures.
.....	Inhalation, Chronic: Refer to Inhalation, Acute
.....	Ingestion: Do not induce vomiting unless advised to do so. Call a physician or poison control center. Seek medical attention immediately.
Effects of Acute Exposure:.....	Causes irritation, refer to route of entry
Effect of Chronic Exposure:.....	Refer to route of entry
LD50 of material, species and route.....	4833mg/kg (Calculated)
LC50 of material, species and route.....	2810ppm (Calculated)
Exposure Limit of Material.....	Refer to Hazardous ingredients section
Irritation Caused by material.....	may aggravate existing skin and eye disorders.
Sensitizing Capability.....	Skin sensitizer

# Material Safety Data Sheet



## Environmentally friendly paint stripper EFS-2500

Carcinogenicity of Material .....  
 carcinogenicity to humans.  
 Reproductive Effects .....  
 Synergistic Materials .....

Hydrogen peroxide and Benzyl alcohol are not classified as to its  
 N/A  
 Unknown

### SECTION 07: PREVENTIVE MEASURES

Engineering Controls .....  
 Handling Procedures and Equipment .....  
 Storage Needs .....  
 Clean Up Procedures: Leak/Spill .....  
 Waste Disposal Method and equipments .....  
 UN Number .....  
 Special Shipping Instructions: .....  
 CPR Compliance: .....

General ventilation: local exhaust ventilation as necessary to control any air contaminants. To within their TLV's. In the use of this product, avoids all skin contact. Avoid breathing vapours of heated materials. Keep away from heat, sparks, and open flame. Wash thoroughly after handling.  
 Store away from heat and ignition sources, direct sunlight. Store away from incompatible materials. Store in a cool area. Store in dry, well-ventilated area. Prevent material from freezing; but if frozen, thaw at room temperature. Benzyl alcohol oxidizes slowly in air to form benzaldehyde. Do not smoke in use or handling areas.  
 Absorb with inert material. Flush Area with water spray.  
 Equipment employees with appropriate protective equipments  
 In accordance with Municipal, Provincial, and Federal Regulations.  
 Not regulated.  
 Shipments of this product must be in compliance with all applicable Federal, Provincial and International transportation regulations.  
 This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

### SECTION 08: FIRST AID MEASURES

Eye Contact: .....  
 Skin Contact: .....  
 Ingestion: .....  
 Inhalation:.....  
 Effects of Acute Exposure: .....  
 Effects of Chronic Exposure: .....  
 Inhalation Chronic: .....  
 Protective Equipment .....  
 Gloves: .....  
 Respiratory/Type .....  
 Eye/Type .....  
 Footwear/type .....  
 Clothing/type .....  
 Other/type.....

Flush eyes thoroughly with running water for at least 15 minutes, including eyelids. Seek medical attention.  
 Wash affected area with soap and water and rinse thoroughly. If irritation develops or pain persists, obtain medical attention.  
 Do not induce vomiting unless advised to do so. Call a physician or poison control center. Seek medical attention immediately.  
 Remove to fresh air. Consult a physician.  
 See above.  
 Human industrial experience has shown no significant inhalation hazard or skin irritation when good personal hygiene practices are followed.  
 Not available.  
 Neoprene gloves  
 A NIOSH/MSHA approved respirator as necessary. Organic vapor type.  
 Splash proof goggles  
 Rubber booth  
 Adequate protective clothing  
 Eye wash facility should be in close proximity. Emergency shower should be in close proximity.

### SECTION 09: PREPARATION INFORMATION

Phone:.....(604) 465-8028 or (604) 328-4968

### WARNING: KEEP OUT OF REACH OF CHILDREN

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