

MATERIAL SAFETY DATA SHEET

HMIS Hazard Classification: H F R P
2 2 1 G

Date: 9.8.11

WHMIS Hazard Classification: Class B, Div 3; Class D, Div. 2, Sub-Div. B

SECTION I PRODUCT IDENTIFICATION

Product Identifier: Pro-Seal Flex System II
Product Use: Membrane

Supplier's Name: Pro-Seal Products
Address: 16541 Redmond Way Suite 363C
Redmond, WA 98052

Emergency Number: (800) 424-9300 **Information:** (800) 349-7325

SECTION II HAZARDOUS INGREDIENT

Compound	%	CAS#	LD ₅₀ Species/Route	LC ₅₀ Species/Route
Residual Toluene Disocyanate		26471-62-5	.005ppm/005ppm/TWA	.02ppm/ STEL
Petroleum Hydrocarbon Oil	10-30	64742-03-6	N.AN.	N.AV. N.AV.
Aromatic Petroleum Naptha	10-30	64742-95-6	100ppm 100ppm/TWA	150ppm/stel
Mineral spirit				

SECTION III PHYSICAL DATA

Odor & Appearance: Aromatic/Black
Odor Threshold: NONE KNOWN
Physical State: Thixotropic Liquid
Evaporation Rate: (Butyl Acetate=1) <1 Wt. / gal: 9.2-9.4 Pounds
Specific Gravity: (H2O=1) 1.10-1.13
Vapor Density: (Air = 1) > Air
Coating V.O.C.: 200 grams / ltr
Boiling Range: 300° TO 500°
pH

Vapor Pressure: N/A
Freezing Point: N/A
Material V.O.C: 5.97 LB/GL (716 G/L)
Solubility in Water: No

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point : 151°F
Flammability Limits: N/A
Extinguishing Media: Dry Chem., Foam, carbon dioxide, halogenated agents
Special fire fighting Procedures: Do not use water reaction will occur carbon dioxide will be produced. Do not reseal contaminated containers as pressure build up will cause ruptures. Use self contained breathing apparatus.
Unusual Fire & Explosion Hazards: N/A

SECTION V REACTIVITY DATA

Stability: Stable under normal conditions
Conditions To Avoid: Keep Away From Oxidizing Agents
Hazardous Decomposition Or By Products: Carbon dioxide, carbon monoxide, Nitrogen oxide, ammonia, hydrogen cyanide (trace amounts)
Hazardous Polymerization: Yes will occur, avoid high temps in the presence of alkali, tertiary amines, and metal compounds a polymerization will accelerate.
Incompatibility: Don't contaminate with other chemicals containing active hydrogenous such as water, ammonia, amines, acids, alkali

SECTION VI TOXICOLOGICAL DATA

Route of Entry: Ingestion, inhalation, skin eyes
Exposure Limits: No data
EFFECTS OF ACUTE EXPOSURE:
Eyes: May cause moderate irritation
Skin: May cause skin irritation, not likely to be absorbed
Ingestion: Will cause irritation to mouth, pharynx, esophagus, stomach
Inhalation: irritate nose, throat, respiratory track, tightness in chest, and may cause coughing and nausea
Carcinogenicity, Reproductive Toxicity, Teratogenicity, Mutagenicity: TDI; A two year study on lab animals gauged TDI in our oil to be suspect as a carcinogen. Prop 65 California the TDI component Cas # 26471-62-5 is known by state of California to belong to a class of substances that cause cancer and/or reproductive toxicity.
TOXICOLOGICALLY STNERGISTIC PRODUCTS: NONE
Regulatory Information: federal; SARA title III section 313 toxic chemical. Chemical Name ; Residual Toluene diisocyanate (TDI), Cas # 26471-62-5, Concentration<0.3 %

SECTION VII PREVENTATIVE MEASURES

Respiratory Protection: If vapors are present, use a NIOSH/MSHA approved positive pressure, supplied respirator
Ventilation: Use and store only with adequate ventilation or use respiratory protection
Protective Gloves: For operations with contact wear impervious gloves (neoprene recommended)
Eye Protection: If potential for splashing is present, splash goggles or a full face shield should be worn.
Other Protective Equipment: Safety shower and emergency eyewash stations must be close to any area of possible exposure.
Leak or spill Procedures: Remove all possible source of ignition or polymerization (See Section V) Equip personnel with proper protection. Dike in spill to prevent from spreading. Collect for disposal use absorbent to soak up remainder of liquid. Maybe covered with foam if danger of ignition exists. Notify authorities as required by law.
Waste Disposal: Cover container but do not seal, remove from work area, get prepared before decontaminated solution of 2-.05% liquid detergent and 3-8% concentrated ammonium hydroxide is used for neutralizing for disposal. Allow to stand 48 hours to enable escape of carbon dioxide, neither solid nor liquid for is hazardous under RCRA 40 CFR 261
Precautions to be taken in Handling and Storage: Avoid contamination of skin. Discard contaminated shoes and clothing. Avoid vapor build up in storage chemically sensitive individual or individuals with any sort of respiratory distress or malady should not breath vapors as it will aggravate the condition. Industrial use only, keeps away from children. Vent confined areas with fresh air return, assure proper ventilation in all work environments.

SECTION VIII CONTROL MEASURES/PROTECTION INFORMATION

Emergency and First Aid Procedures:
Eyes: Flush with water immediately. Continue to flush for at least 30 minutes. Obtain emergency medical attention.
Skin: Remove and do not reuse contaminated clothing. Wash exposed areas thoroughly with soap and water, flush for 10 minutes. It is not recommended to remove resin from skin with solvents. If irritation occurs seek medical attention immediately. Solvents only increase contact and dry the skin.
Ingestion: Do not induce vomiting only if person is conscious. Obtain emergency medical help.
Inhalation: Remove to fresh air. If breathing is difficult or stops administer oxygen initiate proper first aid procedures get emergency medical help.

SECTION IX PREPARATION INFORMATION

Judgments as to the suitability of information herein for purchaser's purposes are necessarily purchaser's responsibility. Therefore, although reasonable care has been taken in the preparation of such information Pro-Seal Systems Div ICP, Inc extends no warranties, makes no representations and assumes no responsibility as to the accuracy or suitability of such information for application to purchaser's intended purposes or for consequences of its use.

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