

**MATERIAL SAFETY DATA SHEET**

**WHMIS Hazard Classification: H F R P**

**Date: 9.8.11**

**SECTION I PRODUCT IDENTIFICATION**

**Product Identifier:** Pro-Seal Flex System II RG  
**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 <sub>50</sub> Species/Route	LC <sub>50</sub> Species/Route
Residual Toluene Diisocyanate	0.1	26471-62-5	.005ppm/.005ppm/TWA N.A.N.	.02ppm/ STEL N.A.V. N.A.V.
Aromatic Petroleum Naptha	2-5	64742-95-6	Not Established	
Hydrated Heavy Naptha and Heavy Naptha Mixture	10-30	64742-48-9 54741-41-9	Not Established	

**SECTION III PHYSICAL DATA**

<p><b>Odor &amp; Appearance:</b> Aromatic/Black  <b>Physical State:</b> Thixotropic Liquid  <b>Evaporation Rate:</b> (Butyl Acetate=1) &lt;1 Wt. / gal: 9.7-9.9 Pounds  <b>Specific Gravity:</b> (H<sub>2</sub>O=1) 1.16-1.19  <b>Coating V.O.C.:</b> 200 grams / ltr  <b>Boiling Range:</b> 300° TO 500°  <b>pH</b></p>	<p><b>Odor Threshold:</b> none known  <b>Vapor Pressure:</b> N/A  <b>Vapor Density:</b> (Air = 1) &gt; Air  <b>Freezing Point:</b> N/A  <b>Material V.O.C.:</b> 5.97 LB/GL (716 G/L)  <b>Solubility in Water:</b> No</p>
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**SECTION IV FIRE AND EXPLOSION HAZARD DATA**

**Flash Point:** 120°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 disocyanate (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 e 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 ant sort of respiratory distress or malady should not breathe 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 of for consequences of its use.

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