

**MATERIAL SAFETY DATA SHEET**

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

**Date: 9.8.11**

**SECTION I PRODUCT IDENTIFICATION**

**Product Identifier:** TVB Top Kote  
**Product Use:**

**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#	OSHA PEL	ACHIII TLV	Other Limits Recommended	% (Optional)
Aromatic Petroleum Naptha	64742-95-6	100 ppm	100 ppm/twa	150 ppm/stel	10-30
Residual Aliphatic Disocyanate (Isophrone Discyanate)	5124-30-1	0.005 ppm	0.02 ppm/twa	0.02 ppm/stel	

**SECTION III PHYSICAL DATA**

<b>Odor &amp; Appearance:</b> Aromatic odor, clear and pigmented liquid mixture, solvent based	<b>Odor Threshold:</b>
<b>Physical State:</b>	<b>Evaporation Rate:</b> (Butyl Acctate +1) Less than 1.0
<b>Specific Gravity:</b>	<b>Vapor Pressure:</b> (mm Hg)
<b>Vapor Density:</b> (Air – 1) Greater than air.	<b>Melting Point:</b>
<b>Boiling Point:</b>	<b>V.O.C. :</b> - 250 grams per liter
<b>Weight per Gallon:</b>	

**SECTION IV FIRE AND EXPLOSION HAZARD DATA**

**Flash Point (Method):** 120°F (COC) (Based on petroleum naptha solvent)  
**Flammability Limits:** l.e.l: u.e.l:  
 0.70% 6.0%  
**Extinguishing Media:** Dry chemical foam, carbon dioxide, halogenated agents. If water is used, use very large quantities, the reaction between water and hot isocyanate may be vigorous.  
**Special Firefighting Procedures:** Self-contained breathing apparatus with full-face piece and protective clothing.  
**Unusual Fire and Explosion Hazards:** Water contamination will produce carbon dioxide. Do not reseal contaminated containers as pressure buildup may rupture them.

**SECTION V REACTIVITY DATA**

**Stability:** Stable  
**Incompatibility (Materials to Avoid):** This material will react with any materials containing active Hydrogens, such as water, alcohols, ammonia, amines, alkalis and acids.  
**Conditions to Avoid:** Avoid water contact, alcohols, amines, acids, and alkalis.  
**Caution:** Photochemically Reactive Liquid Mixture.  
**Hazardous Decomposition or By-products Combustion products:** carbon dioxide, carbon monoxide, Nitrogen oxides, ammonia. Trace amounts of hydrogen cyanide  
**Hazardous Polymerization:** May Occur – Yes Will not Occur – No  
**Conditions to Avoid:** High temperatures in the presence of alkalis, tertiary amines, metal compounds will accelerate polymerization. Possible evolution of carbon dioxide gas may rupture closed containers.

## SECTION VI TOXICOLOGICAL DATA

### Health Hazards (Acute and Chronic)

**Acute:** May cause irritation of the mouth, pharynx, esophagus and stomach in case of ingestion. In case of skin contact, irritation may result causing redness, rash and itching. In case of eye contact, possible irritation to throat, nose and respiratory tract.

**Chronic:** Prolonged and repeated contact can result in skin sensitization and allergic skin reactions (rashes, hive-like swelling and blisters) resulting in dermatitis. Inhalation may cause central nervous depression and asthma-like conditions upon prolonged inhalation. Respiratory sensitization may also result on prolonged and repeated exposure.

**Carcinogenicity:** No Data **NTP?** No Data **LARC Monographs:** No Data **OSHA Regulated?** No

**Signs and Symptoms of Exposure:** Chronic cough, tightness in chest with difficulty breathing, redness of eyes, irritation to skin causing redness, itching, irritation or mouth, pharynx, esophagus, and stomach through ingestion.

**Medical Conditions Generally Aggravated by Exposure:** Prolonged and repeated exposure may result to respiratory problem such as coughing, tightness of chest, dermatitis such as acne, hives, itching,

### State Regulations:

**Federal Regulations:** SARA Title III: (Section 313 Toxic Chemical):

**California Proposition 65:** The following detectable components of this product are substances, or belong to classes of substances, known to California to cause cancer and/or reproductive toxicity.

**HMIS: Health:** 2; **Fire:** 2; **Reactivity:** 1; **Protection:** G

**WHMIS Classification:** Class B, Division: 3; Class D, Division 2; Subdivision B.

## SECTION VII PREVENTATIVE MEASURES

**Respiratory Protection:** Wear MSHA/NIOSH approved positive pressure supplied air respirator with full-face piece, or an air-supplied hood.

**Ventilation:** Local Exhaust

**Protective Gloves:** Nitrile or Neoprene Gloves

**Eye Protection:** Chemical tight goggles, full-face shield in addition if splashing is possible.

**Other Protective Clothing or Equipment:** Tyvek, meprene, butyl, nitrile rubber based clothing have excellent resistance to MDI. Eye wash station and safety shower in the work area.

**Work/Hygienic Practices:** Was before eating, drinking or smoking. Do not wear contaminated clothing or other protective equipment. Wear all necessary equipment and clothing while working with this type of product.

**Steps to be taken in case material is released or spilled:** Wear protective equipment and clothing during cleanup. Soak up material with absorbent and shovel into a chemical waste container. Cover container, but do not deal, and remove from work area. Get prepared before using this material with decontaminated solution of 0.2-0.5% liquid detergent and 3-8% concentrated ammonium hydroxide in water. Clean the area of spill with solution.

**Waste Disposal Method:** Neutralize the waste with the decontaminated solution. Let it stand for 48 hours, allowing carbon dioxide to vent away. Dispose the waste in accordance to local, state and federal regulations.

**Precautions to be taken in Handling and Storing:** Prevent skin and eye contact. Avoid breathing vapors and mist. A sensitized person should not be allowed to get exposed to the product. Store in tightly sealed containers to protect from atmospheric moisture. Store in cool dry area.

**Other Precautions:** Individuals with existing respiratory disease such as chronic bronchitis, emphysema or asthma should not be exposed to isocyanates. Do not drink, eat or smoke while working with this product. Wash before such activity. KEEP AWAY FROM CHILDREN. Keep away from ignition sources such as fire, flame and sparks.

## SECTION VIII CONTROL MEASURES/PROTECTION INFORMATION

### Emergency and First Aid Procedures:

**Eyes:** Immediately flush with plenty of water for at least 15 minutes, if redness, itching or burning sensation develops have eyes examined and treated by medical personnel.

**Skin:** Wash material off the skin with plenty of soap and water. If redness, itching, or burning develops, consult a physician immediately.

**Inhalation:** Give 1 or 2 glasses of water to drink. If gastrointestinal symptoms develop, consult medical personnel immediately, (never give anything by mouth to an unconscious person).

## 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.

Created By: MF