

MATERIAL SAFETY DATA SHEET

WHMIS Hazard Classification: H F R P
1 2 0 A

Date: 9.8.11

SECTION I PRODUCT IDENTIFICATION

Product Identifier: DECK FLEX HT
Product Use: Polycarbon/Polycarbonate

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

Ingredients <i>*may contain</i>	CAS#	OSHA PEL	ACGIH TLV	Other Limits	%
Residual Toluene Disocyanate Aliphatic Hydrocarbon Solvent	26471-62-5	0.005ppm	0.005ppm/twa	0.02ppm/STEL	<0.3%
	8052-41-3	N/A.	N/A	N/A	10-30%

SECTION III PHYSICAL DATA

Odor & Appearance: Aromatic odor, pigmented liquid mixture, insoluble in water.
Boiling Point: 300-550 deg.F **Specific Gravity** (H2)=1: 1.20-1.25
Vapor Pressure (mm Hg): No data **Melting Point:** Not available
Vapor Density (Air = 1): Greater than air **V.O.C.:** 200 grams per liter
Evaporation Rate (Butyl Acetate=1): Less than 1.0
Weight Per Gallon: 10.00-10.40 pounds

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method): 120 def.F (COC)
Flammable Limits: (Based on petroleum solvent) **LEL** 0.70% **UEL** 5.0%
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 Fire 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 build-up may rupture them.

SECTION V REACTIVITY DATA

Stability: Stable (under normal conditions)
Hazardous Polymerization: Will occur
Hazardous Decomposition Products or BY-Products: Combustion products: carbon dioxide, carbon monoxide. Nitrogen oxides, ammonia. Trace amounts of hydrogen cyanide.
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: High temperatures in the presence of alkalis, tertiary amines, and metal compounds will accelerate polymerization. Possible evolution of carbon dioxide gas may rupture closed containers.

SECTION VI TOXICOLOGICAL DATA

Route of Entry: Inhalation, Eyes, Skin, Ingestion

Health Hazards (Acute and Chronic):

Acute: Ingestion: may cause irritation of the mouth, pharynx, esophagus and stomach.

Skin Contact: irritation may result causing redness, rash and etching.

Eye Contact: possible irritation to throat, nose, and respiratory tract.

Chronic: Prolonged and repeated contact can result in skin sensation 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 proglonged repeated exposure.

Carcinogenity: No data **NTP:** Yes **LARC Monographs:** No data **OSHA Regulated:** No

Signs and Symptoms of Exposure: Chronic cough, tightness in chest with difficulty in breathing, redness of eyes, irritation to skin causing redness, etching, irritation of 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, etc.

SECTION VII PREVENTATIVE MEASURES

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

Ventilation: Local exhaust, Mechanical (General)

Protective Gloves: Nitrile or neoprene gloves.

Eye Protection: Chemical tight goggles, full face shield in addition if splashing is possible. **Work/Hygienic Practices:** Wash before eating, drinking, or smoking. Do not wear contaminated clothing or other protective clothing if contaminated. Wear all necessary equipment and clothing while working with this type of product.

Steps to be taken in case material is released or spilled: Establish a written emergency and special training of personnel. Dilute spilled area and absorb the product and lay in suitable container.

Waste Disposal Method: Dispose within accordance with local, state, and federal regulations.

Precautions to be taken 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 place.

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 develop, 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.

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