

# Material Safety Data Sheet

Date last revised: JANUARY, 2005

<b>I. GENERAL INFORMATION</b>		
Chemical Name & Synonyms AROMATIC ISOCYANATE	Trade Name & Synonyms DYNATROL II ACTIVATOR (Part A)	
Chemical Family URETHANE	Formula MIXTURE	
Proper DOT Shipping CAULKING COMPOUND	DOT Hazard Classification N/A	
Manufacturer PECORA CORPORATION	Manufacturer's Phone Number 215-723-6051	
Manufacturer's Address 165 Wambold Road, Harleysville, PA 19438	Chemtrec Phone Number 800-424-9300	
<b>II. INGREDIENTS</b>		
Principal Hazardous Components TOLUENE DIISOCYANATE (CAS #26471-62-5)	Percent < 5	Threshold Limit Value (Units) 0.02 PPM PEL
URETHANE PREPOLYMER	80	NOT ESTABLISHED
MERCURY CATALYST (CAS# 26545-49-3)	<.05	0.1 Mg/M <sup>3</sup>
THIS PRODUCT CONTAINS TOLUENE DIISOCYANATE WHICH IS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF SARA. THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.		
HEALTH 3	FLAMMABILITY 1	REACTIVITY 2
<b>III. PHYSICAL DATA</b>		
Boiling Point (°F) 484° F. (TDI)	Specific Gravity (H <sub>2</sub> O = 1) 1.05	
Vapor Pressure (mm Hg.) 0.025 @ 77° F. (TDI)	Percent Volatile by Volume (%) NEGLIGIBLE	
Vapor Density (Air = 1) 6.0 (TDI)	Evaporation Rate (ETHER= 1) SLOWER	
Solubility in Water INSOLUBLE	pH N/A	
Appearance & Odor CLEAR, LIGHT YELLOW LIQUID – TDI ODOR		
<b>IV. FIRE &amp; EXPLOSION HAZARD DATA</b>		
Flash Point (Test Method) > 200° F.	Auto Ignition Temperature UNKNOWN	
Flammable Limits UNKNOWN	LEL UNKNOWN	UEL UNKNOWN
Extinguishing Media Small Fires: DRY CHEMICAL, WATER FOG, FOAM & CHEMICALS		
Special Fire Fighting Procedures: SELF-CONTAINED BREATHING APPARATUS SHOULD BE WORN WHEN FIGHTING FIRES INVOLVING CHEMICALS.		
Unusual Fire & Explosion Hazards: AT TEMPERATURES GREATER THAN 350° F. (177° C.), TDI FORMS CARBODIIMIDES WITH THE RELEASE OF CO <sub>2</sub> WHICH CAN CAUSE PRESSURE BUILD UP IN CLOSED CONTAINERS. USE COLD WATER TO COOL FIRE-EXPOSED CONTAINERS		

**V. Health Hazard Data**

OSHA Permissible Exposure Limit SEE SECTION II	ACGIH Threshold Limit Value SEE SECTION II
Carcinogen – TDI	Carcinogen – TDI
Symptoms of Exposure: NO ILL EFFECTS IN THE NORMAL USE OF THIS COMPOUND. INHALATION OF VAPORS MAY CAUSE IRRITATION TO LUNGS AND PULMONARY EDEMA MAY OCCUR AFTER A SERIOUS VAPOR EXPOSURE. PULMONARY SENSITIZATION CAN OCCUR IN SOME INDIVIDUALS.	
Medical Conditions Aggravated By Exposure: PRECLUDE FROM EXPOSURE THOSE INDIVIDUALS HAVING A HISTORY OF RESPIRATORY ILLNESS, ASTHMATIC CONDITIONS, EYE DAMAGE AND TDI SENSITIZATION.	
Primary Route (s) of Entry: DERMAL AND INHALATION	
Emergency First Aid: SKIN: WASH WITH SOAP AND WATER. INHALATION: MOVE TO FRESH AIR. AID BREATHING IF NECESSARY. OBTAIN MEDICAL ATTENTION IMMEDIATELY. EYES: FLUSH WITH WATER FOR 15 MINUTES. INGESTION: GIVE LARGE AMOUNTS OF WATER TO DILUTE MATERIAL AND CONSULT A PHYSICIAN IMMEDIATELY.	

**VI. REACTIVITY DATA**

Stability		Unstable	Conditions to Avoid
	X	Stable	Conditions to Avoid HIGH TEMPERATURES
Incompatibility			Materials to Avoid WATER OR MOISTURE AND ANY OTHER PRODUCTS THAT REACT WITH ISOCYANATES.
Hazardous		May Occur	Conditions to Avoid
Polymerization	X	Will Not Occur	Conditions to Avoid HIGH TEMPERATURES AND CONTACT WITH MOISTURE.
Hazardous Decomposition Products: TDI VAPORS, OXIDES OF NITROGEN, CO AND HCN			

**VII. ENVIRONMENTAL PROTECTION PROCEDURES**

Spill Response: SCRAPE UP AND PLACE IN CONTAINERS. ALLOW TO HARDEN IN OPEN CONTAINERS. CO<sub>2</sub> WILL BE EVOLVED. FINISH CLEANING AREA WITH A SOLVENT SUCH AS CELLOSOLVE ACETATE. FOLLOW SOLVENT MANUFACTURER'S PRECAUTIONS.

Waste Disposal Method: DISPOSE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

**VIII. SPECIAL PROTECTION INFORMATION**

Eye Protection GLASSES OR GOGGLES	Skin Protection NEOPRENE GLOVES, IF NECESSARY
Respiratory Protection (Specific Type) NIOSH ORGANIC VAPOR RESPIRATOR FOR CONFINED AREAS	Ventilation Recommended LOCAL OR MECHANICAL
Other Protection: BARRIER SKIN CREAM	

**IX. SPECIAL PRECAUTIONS**

Hygienic Practices In Handling & Storage: WASH HANDS AFTER USE AND BEFORE EATING OR SMOKING. STORE IN UNOPENED CONATINERS AT OR BELOW 80° F. (27° C.) TO PROLONG SHELF LIFE.

Precautions For Repair & Maintenance of Contaminated Equipment:  
SEE SECTION VI & VIII

Other Precautions: THIS PRODUCT CONTAINS DIISOCYANATES. AVOID PROLONGED BREATHING OF VAPORS AND CONTACT WITH EYES AND SKIN. FOR COMMERCIAL USE ONLY.

**KEEP OUT OF REACH OF CHILDREN!!!!**