

# Material Safety Data Sheet

Date last revised April, 2001

<b>I. GENERAL INFORMATION</b>		
Chemical Name & Synonyms POLYURETHANE CAULK	Trade Name & Synonyms DYNATROL I- XL	
Chemical Family URETHANE	Formula MIXTURE	
Proper DOT Shipping CAULKING COMPOUND	DOT Hazard Classification NONE	
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	Percent	Threshold Limit Value (Units)
CALCIUM CARBONATE (CAS # 1317-65-3)	45	15 Mg/M <sup>3</sup>
TOLUENE DIISOCYANATE (CAS # 26471-62-5)	< 1	0.02 PPM
TOLUENE SULFONYL ISOCYANATE (CAS # 4083-64-1)	< 1	0.02 PPM
SILICA DIOXIDE (CAS # 7631-86-9)	2	5 Mg/M <sup>3</sup>
URETHANE PREPOLYMERS (CAS # 1321-38-6)	25	NOT ESTABLISHED
DI-N-OCTYIPHTHALATE (CAS # 117-84-0)	6	NOT ESTABLISHED
THIS PRODUCT CONTAINS TOLUENE DIISOCYANATE WHICH IS SUBJECT TO THE REPORTING REQUIREMENTS OF SARA, TITLE III AND 40 CFR, PART 372. THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.		
HEALTH 2	FLAMMABILITY 1	REACTIVITY 1
<b>III. PHYSICAL DATA</b>		
Boiling Point (°F) UNKNOWN	Specific Gravity (H <sub>2</sub> O = 1) 1.4	
Vapor Pressure (mm Hg.) UNKNOWN	Percent Volatile by Volume (%) UNKNOWN	
Vapor Density (Air = 1) HEAVIER	Evaporation Rate (ETHER= 1) SLOWER	
Solubility in Water INSOLUBLE	pH N/A	
Appearance & Odor HEAVY PASTE – CHEMICAL ODOR		
<b>IV. FIRE &amp; EXPLOSION HAZARD DATA</b>		
Flash Point (Test Method) > 200° F. T.C.C.	Auto Ignition Temperature UNKNOWN	
Flammable Limits	LEL UNKNOWN	UEL UNKNOWN
Extinguishing Media Small Fires: CO <sub>2</sub> , DRY CHEMICAL, FOAM AND WATER SPRAY		
Special Fire Fighting Procedures: AVOID BREATHING COMBUSTION PRODUCTS. WEAR-SELF CONTAINED BREATHING APPARATUS WHEN FIGHTING FIRES INVOLVING CHEMICALS.		
Unusual Fire & Explosion Hazards: AT TEMPERATURES GREATER THAN 350° F., (177° C), TDI FORMS CAREODIIMIDES WITH THE RELEASE OF CO <sub>2</sub> WHICH CAN CAUSE PRESSURE BUILD UP IN DYNATROL I- XL.		

<b>V. Health Hazard Data</b>						
OSHA Permissible Exposure Limit SEE SECTION II	ACGIH Threshold Limit Value SEE SECTION II					
Carcinogen – TDI	Carcinogen – TDI					
Symptoms of Exposure: NO ILL EFFECTS REPORTED IN THE NORMAL USE OF THIS COMPOUND. INHALATION OF VAPORS MAY CAUSE IRRITATION TO LUNGS AND PULMONARY EDEMA MAY OCCUR AFTER 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.						
<b>VI. REACTIVITY DATA</b>						
Stability	<table border="1" style="width: 100%;"> <tr> <td style="width: 50%;"></td> <td style="width: 50%;">Unstable</td> <td rowspan="2">Conditions to Avoid</td> </tr> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td>Stable</td> </tr> </table>		Unstable	Conditions to Avoid	<input checked="" type="checkbox"/>	Stable
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<input checked="" type="checkbox"/>	Will Not Occur					
Hazardous	Materials to Avoid WATER OR MOISTURE AND ANY OTHER PRODUCTS THAT REACT WITH ISOCYANATES					
Polymerization	Conditions to Avoid HIGH TEMPERATURES AND CONTACT WITH MOISTURE					
Hazardous Decomposition Products: TDI VAPORS, OXIDES OF NITROGEN, CO AND HCN.						
<b>VII. ENVIRONMENTAL PROTECTION PROCEDURES</b>						
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 MINERAL SPIRITS. FOLLOW SOLVENT MANUFACTURER'S PRECAUTIONS.						
Waste Disposal Method: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.						
<b>VIII. SPECIAL PROTECTION INFORMATION</b>						
Eye Protection GLASSES OR GOGGLES	Skin Protection NEOPRENE GLOVES, IF NECESSARY					
Respiratory Protection (Specific Type) NIOSH ORGANIC VAPORS RESPIRATORS FOR CONFINED AREAS	Ventilation Recommended LOCAL OR MECHANICAL					
Other Protection: BARRIER SKIN CREAM						
<b>IX. SPECIAL PRECAUTIONS</b>						
Hygienic Practices In Handling & Storage: WASH HANDS AFTER USE AND BEFORE EATING OR SMOKING. STORE IN UNOPENED CONTAINERS AT OR BELOW 80° F. (27° C.) TO PROLONG 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.						
<b>KEEP OUT OF REACH OF CHILDREN!!!!</b>						