

# Material Safety Data Sheet

Date last revised JULY 1995

## I. General Information

Chemical Name & Synonyms

**POLYURETHANE CAULK**

Chemical Family

**URETHANE**

Proper DOT Shipping Name

**CAULKING COMPOUND**

Manufacturer

**PRICORA CORPORATION**

Manufacturer's Address

**165 WAMBOLD ROAD HARLEYSVILLE, PA 19438**

Trade Name & Synonyms

**DYNATROL I**

Formula

**MIXTURE**

DOT Hazard Classification

**NONE**

Manufacturer's Phone Number

**215-723-6051**

Chemtrec Phone Number

**800-424-9300**

## II. Ingredients

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 PREPOLYMER (CAS #1321-38-6)	35	NOT ESTABLISHED
MINERAL SPIRITS (CAS #64741-41-9)	7	100 PPM
THIS PRODUCT CONTAINS TOLUENE DIISOCYANATE WHICH IS SUBJECT TO THE REPORTING REQUIREMENTS OF SARA, TITLE III AND 40 CFR, PART 372. THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.		
HEALTH 2	FLAMMABILITY 1	REACTIVITY 1

## III. Physical Data

Boiling Point (°F)	Specific Gravity (H <sub>2</sub> O = 1)
UNKNOWN	1.4
Vapor Pressure (mm Hg.)	Percent Volatile By Volume (%)
UNKNOWN	UNKNOWN
Vapor Density (Air = 1)	Evaporation Rate (ETHER = 1)
HEAVIER	SLOWER
Solubility in Water	pH
INSOLUBLE	N/A
Appearance & Odor	
HEAVY PASTE - SOLVENT ODOR	

## IV. Fire & Explosion Hazard Data

Flash Point (Test Method)	Auto Ignition Temperature
180°F T.C.C.	UNKNOWN
Flammable Limits	LEL UNKNOWN
	UEL UNKNOWN
Extinguishing Media	
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 TEMPERATURE GREATER THAN 350°F. (177°C), TDI FORMS CARBODIIMIDES WITH THE RELEASE OF CO<sub>2</sub> WHICH CAN CAUSE PRESSURE BUILD UP IN DYNATROL I.

## V. Health Hazard Data

OSHA Permissible Exposure Limit  
**SEE SECTION II**

Carcinogen - NTP Program  
**TDI**

ACGIH Threshold Limit Value  
**SEE SECTION II**

Carcinogen - IARC Program  
**TDI**

Symptoms of Exposure **NO ILL EFFECTS REPORTED IN THE NORMAL USE OF THIS COMPOUND. INHALATION OF VAPORS MAY CAUSE IRRITATION TO LUNGS & PULMONARY EDMA 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 & 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 & consult a physician immediately.**

## VI. Reactivity Data

Stability	<input checked="" type="checkbox"/> Unstable <input type="checkbox"/> Stable	Conditions To Avoid <b>HIGH TEMPERATURES</b>
Incompatibility		Materials To Avoid <b>WATER OR MOISTURE AND ANY OTHER PRODUCTS THAT REACT WITH ISOCYANATES</b>
Hazardous	<input type="checkbox"/> May Occur	Conditions To Avoid
Polymerization	<input checked="" type="checkbox"/> Will Not Occur	<b>HIGH TEMPERATURES &amp; CONTACT WITH MOISTURE.</b>
Hazardous Decomposition Products <b>DI VAPORS, OXIDES OF NITROGEN, CO AND HCN.</b>		

## VII. Environmental Protection Procedures

Spill Response **SCRAPE UP & PLACE IN CONTAINERS. ALLOW TO HARDEN IN OPEN CONTAINERS. CO2 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.**

## VIII. Special Protection Information

Eye Protection  
**GLASSES OR GOGGLES**

Respiratory Protection (Specific Type) **NIOSH ORGANIC VAPOR RESPIRATOR FOR CONFINED AREAS**

Other Protection  
**BARRIER SKIN CREAM**

Skin Protection  
**NEOPRENE GLOVES, IF NECESSARY**

Ventilation Recommended  
**LOCAL OR MECHANICAL**

## IX. Special Precautions

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 SHELF LIFE.**

Precautions For Repair & Maintenance Of Contaminated Equipment  
**SEE SECTIONS VI & VIII.**

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