
MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:

Dynatrol I - XL

Chemical Family: Urethane

Manufacturer:

Pecora Corporation
165 Wambold Road
Harleysville, PA 19438

Product Description:

Polyurethane caulk

Emergency Telephone:

CHEMTREC: (800) 424-9300 (24 hours)
Pecora Corporation: (215) 723-6051 (Mon - Fri, 8 am - 5 pm ET)

2. HAZARDS IDENTIFICATION

Emergency Overview:

Eye or skin contact with uncured product can cause irritation and possible allergic reaction after prolonged or repeated contact.

Primary Routes of Entry: Skin contact, inhalation, eye contact, ingestion

Route of Exposure**Inhalation:****Potential Health Effects:**

Dust from cured product may cause respiratory irritation.

Signs and Symptoms:

Mouth, throat and lungs may feel sore. Coughing is likely, and in extreme cases, difficulty in breathing.

Eye Contact:

May cause irritation. Dust from cured product can cause irritation.

Symptoms include eye pain, redness, and tearing.

Skin Contact:

May cause irritation. May cause allergic skin reaction. Dust from cured product may cause skin irritation.

Symptoms include skin redness and possible swelling. Allergic reaction may occur on subsequent exposures.

Ingestion:

May be harmful if swallowed.

Symptoms may include nausea and vomiting.

Delayed Effects: Prolonged or repeated contact may cause irritation or allergic reaction/sensitization

Potential Physical / Chemical Effects: Uncured product may be ignited by direct flame.

Potential Environmental Effects: Environmental effects of this product have not been determined.

3 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient Name	CAS Reg. No.	Concentration
Calcium carbonate	1317-65-3	45% - 50%
Toluene diisocyanate	26471-62-5	< 1%
Toluene sulfonyl isocyanate	4083-64-1	< 1%
Phthalate acid ester	111383-89-6	15% - 30%
Mineral spirits	8052-41-3	<5%
Silica (fumed)	67762-90-7	2%

4 FIRST AID MEASURES

General: Because of the physical nature of the product, exposure to large portions of the body is unlikely. When contact does occur, immediate removal of the product should be attempted. Follow first-aid procedures below and seek medical attention if symptoms of adverse health effects do not improve or appear to be worsening. Persons with pre-existing breathing or lung problems may be more susceptible to the effects of this product.

First Aid Procedures:

Inhalation: Remove person from exposure area to fresh air. Ask person to cough out inhaled dust and to clear nose by blowing. If person is having trouble breathing, immediately transport to medical care.

Eye Contact: Immediately rinse eyes slowly and gently with water for at least 15 minutes while holding eyelids apart to ensure rinsing of the entire surface of the eyes and lids with water. Remove any contact lenses after the first 5 minutes and then continue flushing eyes. If symptoms persist, get medical attention.

Skin Contact: Wash affected areas with large amounts of running water and soap, if available, for 15 minutes. If contaminated, remove clothing and shoes. If symptoms persist or worsen, get medical attention. Wash clothing before reuse.

Ingestion: Give 2 glasses of water, but DO NOT induce vomiting. If vomiting occurs, give fluids again. Get medical attention for further evaluation. Do not give anything by mouth to an unconscious or convulsing person. Keep under medical supervision for at least 48 hours.

5 FIRE-FIGHTING MEASURES

Extinguishing Media: In case of fire use CO₂, dry chemical, foam or water spray

Extinguishing Media to Avoid: None

Special Fire Fighting Procedures: Avoid breathing combustion products. Wear full protective clothing and NIOSH-approved self-contained breathing apparatus when fighting fires involving chemicals.

Unusual Fire & Explosion Hazards: At temperatures greater than 350°F (177°C), TDI forms carbodiimides with the release of CO₂ which can cause pressure build-up in Dynatrol I – XL.

Hazardous Combustion Products: Combustion may produce smoke, carbon monoxide, carbon dioxide and other potentially harmful gases/fumes.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear appropriate personal protective equipment as specified in Section 8.

Clean-Up Procedures: Contain and absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container for proper disposal.

Environmental Precautions: Do not flush to sewer or allow the material to enter waterways.

7 HANDLING AND STORAGE

Handling: Do not smoke while applying product, use only in well ventilated areas or wear NIOSH approved respiratory protection; wash hands after use and before eating or smoking; observe all warnings and precautions listed for the product. **KEEP OUT OF REACH OF CHILDREN!**

Storage: Protect against physical damage. Store in unopened containers at or below 80°F and away from moisture and high humidity areas

8 EXPOSURE CONTROLS / PERSONAL PROTECTION
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Exposure Limit Values

Component	OSHA PEL	OSHA PEL Proposed *	ACGIH TWA	Notation
calcium carbonate	15 mg/m ³	-----	10 mg/m ³	Total dust
toluene diisocyanate	0.02ppm (ceiling)	-----	0.005ppm	0.02ppm STEL (ACGIH)
mineral spirits	200ppm	-----	100ppm	-----
silica dioxide	5 mg/m ³	-----	3 mg/m ³	Respirable

Engineering Controls: None applicable; use only in well ventilated areas

Protective Equipment:

Eyes: Use safety glasses or safety goggles.

Hands: Rubber or neoprene gloves.

Respiratory: Supplied air breathing apparatus will be needed only when using the product in non-ventilated areas. In operations where dust may be produced from cured product, dust mask protection is required. If the exposure limits of any of the components may be exceeded and engineering controls are not feasible, wear a supplied air, full-facepiece respirator, airtight hood, or full-facepiece self-contained breathing apparatus. Breathing air quality must meet the requirements of the OSHA respiratory protection standard (29CFR1910.134).

Skin: In environments or work situations where there is the possibility of exposure to other parts of the body, wear rubber boots, apron, or coveralls as appropriate.

Hygienic Work Practices: Wash hands and other exposed parts of the body before eating, smoking and at the end of shift. Change work cloths regularly. Discard protective gloves, masks, and other apparel when they become contaminated with product.

Environmental Exposure Controls: If product is stored or used in areas where release could result in environmental contamination, create a permanent diking area, or a temporary diking arrangement. Prevent run-off to sewers or waterways.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Physical State:Heavy paste
Color:Varies
Odor:Aromatic chemical odor

pH:N/A
Melting Point:N/A
Boiling Point:N/A
Relative Density:11.0 – 12.0 lbs/gal
Vapor Pressure:Unknown
Evaporation Rate:.....Slower than ether
Volatiles:Not determined

Solubility:

Water Solubility:.....Insoluble
Partition Coefficient (n-Octanol/water partition): N/A
Viscosity:No data.

Flash Point:>200°F T.C.C.
Autoignition Temperature:.....Not determined
Flammability Limit – Lower:Not determined
Flammability Limit – Upper:.....Not determined

10 STABILITY AND REACTIVITY

Stability: Stable under ordinary conditions of use and storage. Keep containers sealed to prevent spontaneous curing.

Conditions to Avoid: Avoid high temperatures and open flames

Materials to Avoid: Water or moisture and any other products that react with isocyanates

Hazardous Decomposition Products: TDI vapors, oxides of nitrogen, carbon monoxide and HCN

Possibility of Hazardous Reaction: None likely.

11 TOXICOLOGICAL INFORMATION
Component Information:

Acute (Immediate) Toxicity: No data available. This product has not been tested.

Component:

Test	Species	Result
Acute oral LD ₅₀		
Acute inhalation LC ₅₀		
Acute dermal LD ₅₀		

Other Acute: N/A

Chronic (Delayed) Toxicity: No data available. This produce has not been tested.

Component:

Test	Species	Result
Acute oral LD ₅₀		

12 ECOLOGICAL INFORMATION

Ecotoxicity: Not available. This product has not been tested.

Component: Test	Species	Result
LC ₅₀ 96-hour static		
EC ₅₀ 48 hour		

Persistence and Degradability: N/A

13 DISPOSAL CONSIDERATIONS

Waste Management: Dispose in accordance with all applicable local, state and federal regulations.

RCRA Information: As supplied, this product is not classified as a RCRA hazardous waste, if disposed.

Containers: Empty containers may present similar hazards as the product. The containers should be disposed in the same manner as the product they contained.

14	TRANSPORT INFORMATION
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US Department of Transportation: Not regulated by the US DOT.

15	REGULATORY INFORMATION
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Workplace Classification:

This product is considered 'hazardous' under the OSHA Hazard Communication Standard (29CFR 1910.1200).

Inventory Status: All components of this product are either listed or are exempt from listing on the U.S. Toxic Substances Control Act (TSCA).

SARA Title III

Section 311/312

Acute (Immediate) Chronic (Delayed) Fire Reactive Pressure Generating

Section 313: Toluene diisocyanate (mixed isomers)

California – Proposition 65

This product contains chemicals known to the state of California to cause cancer, birth defects, or other reproductive harm.

Volatile Organic Content: < 100 g/L

16	OTHER INFORMATION
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HAZARD RATINGS

Agency	Health Hazard	Fire Hazard	Reactivity Hazard	Other
NFPA	2	1	0	
HMIS	2*	1	0	

Product use: This product is intended for commercial use only.

Prepared by: EH&S Department

Issue Date: March 2, 2009

Supersedes Date: September 2008

Disclaimer: The information in this MSDS is presented in good faith based on data believed to be accurate as of the date this MSDS was prepared. It may not be valid for this material if it is used with any other materials. The user should review the suitability and completeness of this information for its intended use.