

# Carlisle TyrFil

## Safety Data Sheet

### 1. Identification of Substance:

Product Name: TYRLYNER A SIDE

**Supplier Identification:**

Carlisle TyrFil

**Telephone:**

(440) 260-9830

**Address:**

140 Sheldon Road  
Berea, OH 44017

**24-Hr. Emergency Phone Number:**

CHEMTREC (800) 424-9300  
INTERNATIONAL: +1-(703) 527-3887

Product Use: Polyurethane polyol component

### 2. Hazards Identification:

**GHS Ratings:** N/A

**GHS Hazards:** N/A

**GHS Precautions:** N/A

**Signal Word:**

There are no GHS ratings that apply to this product at this time.

**Acute Toxicity:**

**Eyes:** Minor potential for irritation.

**Skin:** Minor potential for irritation.

**Inhalation:** Not expected to be a route of exposure.

**Ingestion:** Consult physician.

**Conditions Aggravated:** None known.

**Chronic Effects:** Not expected to cause any adverse chronic health effects.

### 3. Composition/Data on Components:

Chemical Name	CAS number	Weight Concentration %
Diethylene glycol	111-46-6	1.00% - 5.00%
1,4-Diazabicyclo[2.2.2]octane	280-57-9	0.10% - 1.00%

**4. First Aid Measures:**

**Inhalation:** Move to fresh air. If breathing is difficult, give oxygen.

**After Eye Contact:** Rinse opened eye for at least 15 minutes under running water. Remove contact lenses if present and easy to do so, and continue rinsing.

**After Skin Contact:** Clean affected area with soap and plenty of water.

**After Swallowing:** Consult physician.

**Notes to Physician:** Treat symptomatically

**5. Fire Fighting Measures:**

Flash Point: 124 C (255 F)

LEL: N/A

UEL: N/A

**Upper and lower explosive limits listed if known.**

**Suitable Extinguishing Agents:** Water spray, CO2, Foam, Dry chemical

**Information about Protection against Explosions and Fires:** Closed containers may rupture when exposed to extreme heat.

**Dangerous Products of Decomposition:** Oxides of carbon, hydrocarbons.

**Protective Equipment:** Firefighters should wear a pressure demand self-contained breathing apparatus and protective clothing.

**6. Accidental Release Measures:**

**Person-Related Safety Precautions:** Avoid contact with skin and eyes.

**Measures for Environmental Protection:** Cover and contain spill with absorbent material. Collect for proper disposal according to local, state, and federal regulations.

**Small Spills:** Absorb with earth, sand or other absorbent material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece) clean surface thoroughly to remove residual contamination.

**Large Spills:** Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use an absorbent material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

**7. Handling and Storage:**

**Information for Safe Handling:** Avoid contact with skin or inhalation.

**Storage Requirements:** Store in dry, well ventilated area. Keep containers tightly closed. Store between 60°F-100°F. Material may settle.

**Regulatory Requirements:** Store according to all local, state, and federal regulations.

### **8. Exposure Controls and Personal Protection:**

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Diethylene glycol 111-46-6	Not Established	Not Established	Not Established
1,4-Diazabicyclo[2.2.2]octane 280-57-9	Not Established	Not Established	Not Established

**Engineering Controls:** No specific measures required if proper PPE precautions are followed.

**General Protective and Hygienic Measures:** Usual precautionary measures should be adhered to when handling chemicals.

**Respiratory Protection:** None required if work area is properly ventilated.

**Protection of Hands:** Protective chemical resistant gloves.

**Eye Protection:** Safety glasses.

**Body Protection:** Protective work clothing. Launder separately.

**Contaminated Gear:** Observe local requirements. Dispose of in accordance with local/state/federal regulations.

### **9. Physical and Chemical Properties:**

Physical properties listed where known.

<b>Appearance:</b> Clear liquid	<b>Odor:</b> Mild
<b>Vapor Pressure:</b> N/A	<b>Odor threshold:</b> N/A
<b>Vapor Density:</b> N/A	<b>pH:</b> N/A
<b>Specific Gravity:</b> 1.03	<b>Melting point:</b> N/A
<b>Freezing point:</b> N/A	<b>Solubility:</b> N/A
<b>Boiling range:</b> N/A	<b>Flash point:</b> 255°F, 124°C
<b>Evaporation rate:</b> N/A	<b>Flammability:</b> N/A
<b>Explosive Limits:</b> N/A	<b>Partition coefficient (n-octanol/water):</b> N/A
<b>Autoignition temperature:</b> 229°C	<b>Decomposition temperature:</b> N/A

### **10. Stability and Reactivity:**

**Incompatible Materials:** Avoid contact with isocyanates and strong oxidizing agents.

**Hazardous Polymerization:** Not expected to occur.

**Dangerous Products of Decomposition:** Oxides of carbon, hydrocarbons.

### **11. Toxicological Information:**

**Mixture Toxicity**

Inhalation Toxicity LC50: 111mg/L

**Component Toxicity**

111-46-6	Diethylene glycol	Oral LD50: 1,120 mg/kg (Rat)	Dermal LD50: 5,000 mg/kg (Rabbit)	Inhalation LC50: 5 mg/L (Rat)
280-57-9	1,4-Diazabicyclo[2.2.2]octane	Oral LD50: 1,700 mg/kg (Rat)	Dermal LD50: 3,200 mg/kg (Rabbit)	

**Toxicity Values Listed if Known****Acute Toxicity:****Eyes:** Minor potential for irritation.**Skin:** Minor potential for irritation.**Inhalation:** Not expected to be a route of exposure.**Ingestion:** Consult physician.**Chronic Effects:** Not expected to cause any adverse chronic health effects.**Routes of Entry:** Eye contact, skin contact.**Target Organs:** None known.**Chemicals with Known or Possible Carcinogenic Effects:**

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
None			None

**12. Ecological Information:****General Information:** Based on experience, no adverse effects are to be expected if correct disposal procedures have been followed as indicated in section 13.

Individual component ecotoxicity listed if known.

**Component Ecotoxicity**

Diethylene glycol	96 Hr LC50 Pimephales promelas: 75200 mg/L [flow-through] 48 Hr EC50 Daphnia magna: 84000 mg/L
1,4-Diazabicyclo[2.2.2]octane	96 Hr LC50 Pimephales promelas: 1510 - 1980 mg/L [flow-through]

**13. Disposal Considerations:****Recommendation:** Observe local requirements. Dispose of in accordance with local/state/federal regulations.**Empty Container Precautions:** Recondition or dispose of empty container in accordance with governmental regulations. If container is to be disposed, ensure all product residues are removed and container is empty prior to disposal.**14. Transport Information:****DOT Regulated Components:**

This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods unless specifically cited below:

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
	None			

**15. Regulatory Information:**

**OSHA HAZARD COMMUNICATION STANDARD:** This material is not classified as hazardous in accordance with OSHA 29 CFR 1910.1200.

**SARA 311/312 Hazard Categories:** None.

**WARNING:** This product can expose you to chemicals listed below, which are known to the State of California to cause cancer, birth defects, or reproductive harm. For more information, visit [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

Ethylene glycol 107-21-1 400 PPM DEVELOPMENTAL

**Massachusetts Right To Know List:**

- None

**New Jersey Right To Know List:**

- None

**Pennsylvania Right To Know List:**

Diethylene glycol 111-46-6 1 to 5 %

**SARA 302 Extremely Hazardous Substances:**

- None

**Chemicals subject to SARA 313 Reporting:**

- None

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
Canada	Canada DSL	Yes
US	Toxic Substances Control Act	Yes

**16. Other Information:**

Safety Data Sheet issued by Product Safety Department

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Carlisle TyrFil. The data on these sheets relates only to the specific material designated herein. Carlisle TyrFil assumes no legal responsibility for use or reliance upon this data. It is the user's responsibility to ensure that their activities comply with federal, state, or local laws.

Date revised: 2020-01-16  
Date Prepared: 1/16/2020

Reviewer Revision 0