



# Material Safety Datasheet

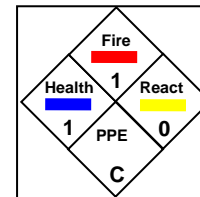
## BC8321 Curative Part B

### Urethane Elastomer System

MSDS Version: 021014

#### I. Basic Information

Manufacturer: BCC Products  
 Address: 2140 Earlywood Drive  
 Franklin, Indiana 46131  
 Emergency Phone: (317)736-4090  
 Transportation Emergency Phone Number: Chem-trec 1-800-424-9300  
 Chemical State: Liquid  
 Chemical Type: Mixture



#### II. Ingredients

CAS No.	Chemical Name	% Range	EHS	NTP	IARC	SUB Z	SARA 313	OSHA PEL	ACGIH TLV	Other Limits
proprietary	Polyether polyol blend	60-80						NE	NE	NE
68479-98-1	Diethyltoluenediamine	1-4						NE	0.02 PPM	NE
6846-50-0	2,2,4-Trimethyl-1,3-pentanediol diisobutyrate	20-30								

#### III. Hazardous Identification

##### Hazard Category

Acute   
  Chronic   
  Fire   
  Pressure   
  Reactive

##### Hazardous Identification Information

- **Warning!**
- **Dark Liquid With Slight Odor**
- **Contact may cause skin, eye and respiratory tract irritation.**
- **Avoid moisture contamination to protect product quality.**

#### IV. First Aid Measures

##### Route(s) of entry:

Inhalation, ingestion, skin and eye contact.

##### Health Hazards (Acute and Chronic):

Acute (short term)

May cause skin and eye irritation or burns. Inhalation of vapors may cause respiratory tract irritation.



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**Chronic (Delayed):**

Repeated skin contact may produce skin irritation (burns) or sensitization in susceptible individuals

**Signs and Symptoms:** Skin, eye and respiratory tract irritation. Medical Conditions Generally Aggravated by Exposure:

None Known.

**Emergency and First Aid Procedures:**

**SKIN CONTACT:** Remove contaminated clothing and wash affected area with soap and water. If irritation develops, contact a physician.

**EYE CONTACT:** Flush eyes with water for at least 15 minutes and contact a physician.

**INGESTION: INDUCE VOMITING.** Take 1-2 glasses of water and contact a physician.

Do not give anything by mouth to an unconscious person.

**INHALATION:** Remove person to fresh air. If person is not breathing, give mouth-to-mouth resuscitation and contact a physician.

**Other Health Warnings:**

Wash hands thoroughly after handling this material before eating, smoking, ect.

#### V. Fire Fighting Measures

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**Flash Point:** >300F    **Lower Explosive Limit:** NE    **Upper Explosive Limit:** NE

**Fire Extinguishing Media:** Foam, Water Fog, Carbon Dioxide or Dry Chemical Extinguishers.

**Special Fire Fighting Procedures:**

Fire fighters should wear a self-contained breathing apparatus and protective clothing to guard against incompletely combusted carbon products.

**Unusual Fire and Explosion:**

None Known.

#### VI. Accidental Release Measures

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**Steps to be taken in case material is released or spilled:**

Wear Protective equipment. Ventilate spill area. Cover liquid with an absorbent material (saw dust, vermiculite, or wet sand). After the material is absorbed scoop up and place in containers for disposal. Wash contaminated area with soapy water. Collect wash water and handle as contaminated waste. Dispose of in accordance with all local, state and federal guidelines.

US regulations require reporting spills of this material that could reach any surface waters. The toll-free number for the US Coast Guard National Response Center is (800) 424-8802.



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#### VII. Handling and Storage

##### Precautions to be taken:

Store in a cool, dry place in tightly sealed containers. Protect from moisture contamination to protect product quality.

##### Other Precautions:

Avoid contact with skin, eyes and clothing. Any potential hazard can be minimized by using the recommended protective equipment.

#### VIII. Exposure Controls / Personal Protection

Chemical Name	Exposure Limits
Polyether polyol blend	None established
Diethyltoluenediamine	0.02 ppm TWA ACGIH TLV
2,2,4-Trimethyl-1,3-pentanediol diisobutyrate	None established

##### Ventilation Requirements:

**Local Exhaust:** Provide mechanical (general) and/or local exhaust ventilation to control airborne levels below the exposure guidelines.

##### Personal Protective Equipment:

**Respiratory Protection:** None needed at normal temperatures. Use a self-contained breathing apparatus for high concentrations and under emergency conditions.

**Protective gloves:** Impervious rubber or nitrile gloves.

**Eye Protection:** Wear safety glasses or goggles.

**Other Protective Clothing or Equipment:** An apron or suitable clothing to prevent skin contact.

#### IX. Physical and Chemical Properties

<b>Physical State and Appearance:</b>	Dark Liquid
<b>Odor:</b>	Slight amine
<b>Flash Point:</b>	>300°F
<b>Boiling Point:</b>	not established
<b>Melting Point:</b>	not established
<b>Evaporation Rate:</b>	not established
<b>Vapor Pressure (mm Hg):</b>	<1mmHg@25°C (77°F)
<b>Vapor Density (Air = 1):</b>	not established
<b>Viscosity, cPs @ 25°C:</b>	600
<b>Specific Gravity:</b>	1.10
<b>Solubility in water:</b>	Slight
<b>Solubility:</b>	Ketones, alcohols
<b>Other Information:</b>	Percent Volatile by Volume (%) = negligible, <1%



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#### X. Stability and Reactivity

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**Stability:** Stable

**Incompatibility (materials and conditions to avoid):** Avoid moisture to protect product quality.

Strong acids, alkalis, oxidizing agents, heat sources, sparks.

**Decomposition By-Products:** Carbon monoxide and carbon dioxide.

**Hazardous polymerization:** Will not occur.

#### XI. Toxicological Information

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**Acute Toxicity:**

**Diethyltoluenediamine (DETD)**

**Acute oral toxicity**

LD50: 472 mg/kg (Rat, Female)

LD50: 542 mg/kg (rat, male)

**Acute inhalation toxicity**

LC50: > 2.45 mg/l, 1 h (Rat)

**Acute dermal toxicity**

LD50: > 1,000 mg/kg (rabbit)

#### XII. Ecological Information

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**General:** Not Known.

**Persistence and degradability:** Not Known

**Bioaccumulative potential:** Not Known

**Other Adverse Effects:** Not known

#### XIII. Disposal Considerations

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Waste must be disposed of in accordance with federal, state and local environmental control regulations. Incinerate or bury in a licensed facility.



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#### XIV. Transportation Information

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**Not regulated by DOT**

**SEA**

**IMO Class 9**

**Packing Group III**

**UN-No 3082**

**IMO Labelling and Marking** 9 + Marine Pollutant Marking

**Proper Shipping Name** Environmentally hazardous substance liquid, N.O.S. (Diethyltoluenediamine)

**EmS** F-A, S-F

**Marpol - Annex II** Not determined

**Marpol - Annex III** Marine Pollutant

**Transport Description** UN 3082 Environmentally hazardous substance liquid, N.O.S. (Diethyltoluenediamine), 9, III, Marine pollutant

#### XV. Regulatory Information

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TSCA Inventory Status: This product, or its components, are listed on, or are exempt from the Toxic Substances Control Act (TSCA) Chemical Substances Inventory.  
None

SARA 313 Information: This product contains the following substances subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372:

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Concentration</u>
NONE		

**SARA Hazard Category:**

This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendments and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

**An Immediate Health Threat**

**A Delayed Health Threat**

**State Regulations:**

**STATE REGULATIONS:**

California Proposition 65: This product does not intentionally contain any chemicals, which have been identified by the state of California to cause cancer, birth defects or other reproductive harm.

Massachusetts Right To Know, Substance List: None

Pennsylvania Right To Know, Substance List: None

New Jersey Right To Know, Substance List: None



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#### XVI. Other Information

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**HMIS Ratings:** Health – 1      Flammability - 1      Physical Hazard -0  
**NFPA Ratings:** Health – 1      Flammability - 1      Instability - 0

0= Minimal  
1= Slight  
2= Moderate  
3= High  
4= Extreme

#### MSDS Revision History

2/10/14: New Issue

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. BCC Products shall not be held liable for any damage resulting from handling or from contact with the above product.

In this document, the following abbreviations were used:

NA = Not Applicable  
NE = Not Established