

# MATERIAL SAFETY DATA SHEET

(This MSDS complies with 29 CFR 1910.1200)

Product Name: **BC8160 Urethane Resin Part A**  
Product Class: Polyurethane Mixture  
Issue Date: 03/14/07  
Approved By: Roger D. Brunette

**BCC PRODUCTS, INC.**  
2140 Earlywood Drive  
P.O. Box 327  
Franklin, IN 46131  
317-736-4090

**NFPA**  
**RATING**  
**FIRE - 1**  
**HEALTH - 3**  
**REACTIVITY - 1**  
**SPECIFIC - -**

**24 HOUR EMERGENCY NO. 1-800-424-9300 CHEMTREC**

## SECTION 1 - HAZARDOUS INGREDIENTS

Chemical Name	Wt. % (optional)	OSHA (TWA)	ACGIH (TWA)	CAS NO.
Methylene bis(4-cyclohexylisocyanate)		0.01ppm	0.005ppm	5124-30-1
Hexamethylene Diisocyanate		<i>N.E.</i>	.005 ppm	822-06-0
HDI Homopolymer		<i>N.E.</i>	<i>N.E.</i>	28182-81-2

## SECTION 2 - PHYSICAL DATA

Boiling Point:	340 ° C	Specific Gravity (H <sub>2</sub> O=1):	1.1
Vapor Pressure (mm Hg):	1	Vapor Density (Air = 1):	<i>N.E.</i>
Solubility in Water:	Insoluble	Reactivity in Water:	Slow
Appearance and odor:	Clear viscous liquid, faint odor.		

## SECTION 3 - FIRE AND EXPLOSION HAZARD

Flash Point:	350 ° F	Flammable Limit:	LEL: <i>N.A.</i>
Method Used:	C.O.C.	(In Air % by volume)	UEL: <i>N.A.</i>
Auto Ignition Temperature:	<i>N.A.</i>		
Extinguishing Media:	Carbon Dioxide, dry chemical, chemical foam, water spray.		
Fire & Explosion Hazards:	None known.		
Fire Fighting Procedures:	Fire fighters must wear self-contained breathing apparatus to protect against toxic and irritating vapors. Full protective clothing should also be worn.		

## SECTION 4 - REACTIVITY DATA

Stability (Conditions to Avoid):	Stable. Temperatures above 120 ° F or below 32 ° F.
Incompatibility (Materials to avoid):	Water, strong bases, alcohols, metal compounds or surface active materials.
Hazardous Decomposition Products:	Carbon monoxide, traces of hydrogen cyanide and hydrochloric acid.
Hazardous Polymerization:	May occur.
Conditions (Materials to Avoid):	Contact with water, polyols or alcohols.

## SECTION 5 - ENVIRONMENTAL AND DISPOSAL INFORMATION

Spill:	Remove spillage by absorbing in sand, vermiculite, sawdust, or absorbent sweeping compound. For small spills, rubbing alcohol may be used. Dike to prevent entry into water system.
Disposal:	Use approved incineration in accordance with federal, state and local environmental regulations. Material must be disposed of in approved landfill.

*N.E.* - Not Established    *N.D.A.* - No Data Available    *N.A.* - Not Applicable

## SECTION 6 - HEALTH AND FIRST AID INFORMATION

Routes of Entry	FIRST AID
Inhalation:	Remove victim to uncontaminated area, administer oxygen if necessary. Seek medical attention.
Eyes:	Flush with water for 15 minutes. Seek medical attention.
Skin:	Remove contaminated clothes and wash affected areas with soap and water. Seek medical attention.
Ingestion:	DO NOT induce vomiting. Never give fluids or induce vomiting if victim is unconscious or having convulsions. Seek medical attention.

### EFFECTS OF OVER EXPOSURE

Acute: *Eyes:* May cause irritation and redness. *Skin:* May cause irritation.  
Inhalation: Excessive vapors may cause respiratory problems.

Chronic:

### Existing Health

Conditions: Individuals who are sensitized to isocyanates and those with pre-existing lung diseases or conditions, including asthma, pulmonary sensitization, recurrent eczema must avoid all exposure to isocyanates.

Carcinogen: NTP (National Toxicology Program): No IARC (Monographs): No OSHA: No

## SECTION 7 - SPECIAL HANDLING & STORAGE PRECAUTIONS

Should be stored in a ventilated storage area between 70-80 ° F. Avoid excessive temperatures. Storage must be in tightly sealed containers to protect from moisture.

## SECTION 8 - SPECIAL PROTECTION INFORMATION

Respiratory Protection:	If the PEL is exceeded, wear a NIOSH approved AIR supplied respirator.
Ventilation:	Use local exhaust to maintain concentration below the PEL.
Eye Protection:	Fitted chemical goggles, face shield or safety glasses.
Personal Protection:	Rubber gloves, boots and rubber apron to avoid skin contact. Contaminated clothing or equipment should be cleaned or disposed of, after use.
Hygienic Practices:	Educate and train employees on safe use of product. Shower and eye wash station should be available.

## SECTION 9 - REGULATORY INFORMATION

EPA Regulations:

SARA TITLE III

Section 311/312 codes: N/A

Section 313 Code: 1,6 Hexamethylene diisocyanate, CAS# 822-06-0, 10%; Dibutyl phthalate, CAS# 84-74-2, 5%.

TSCA: All components of this product are registered under the regulations of the Toxic Substance Control Act.

The information herein is, to the best knowledge and belief of BCC PRODUCTS, INC., accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.

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