

MATERIAL SAFETY DATA SHEET

(This MSDS complies with 29 CFR 1910.1200)

Product Name:	DP-11-75 URETHANE RESIN, Part A	BCC PRODUCTS, INC.	HMIS
Product Class:	Resin Mixture	2140 Earlywood Drive	H - 3
Issue Date:	07/10/04	P.O. Box 327	F - 1
Approved By:	Kenneth E. Poucher	Franklin, IN 46131	R - 1
		317-736-4090	P - NA

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

SECTION 1 - HAZARDOUS INGREDIENTS

Chemical Name	Wt. % (optional)	OSHA (PEL)	ACGIH (TLV)	CAS NO.
4,4' Diphenylmethane Diisocyanate		0.02 ppm	0.005 ppm	101-68-8
Polymeric MDI		<i>N.E.</i>	<i>N.E.</i>	9016-87-9
MDI Mixed Isomers		<i>N.E.</i>	<i>N.E.</i>	26447-40-5

SECTION 2 - PHYSICAL DATA

Boiling Point:	200 °F	Specific Gravity (H ₂ O=1):	1.20
Vapor Pressure (mm Hg):	0.00001 mm Hg @ 25 °F	Vapor Density (Air = 1):	<i>N.E.</i>
Solubility in Water:	Water reactive	Reactivity in Water:	Slow
Appearance and odor:	Brown liquid, Aromatic		

SECTION 3 - FIRE AND EXPLOSION HAZARD

Flash Point:	~ 200 ° 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:	Stable.
Conditions to Avoid:	Temperatures above 120 ° F or below 32 ° F.
Incompatibility (Materials to avoid):	Water, strong bases, alcohols, metal compounds, surface active materials.
Hazardous Decomposition Products:	Carbon dioxide and carbon monoxide.
Hazardous Polymerization:	May occur.
Conditions/Hazards to Avoid:	Contact with moisture and polyols.

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, 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:	Eye contact may result in conjunctival irritation. Skin contact may result in dermatitis, either irritative or allergic. Exposure exceeding the PEL may result in chemical bronchitis, headache or pulmonary edema. Neurological effects can include euphoria, anxiety and memory deficits. Gastrointestinal symptoms include nausea, vomiting and abdominal pain.
Chronic:	Chronic overexposure to isocyanates may cause sensitization in some individuals, resulting in wheezing, shortness of breath and difficulty in breathing. Subsequent reactions may occur below the PEL and TLV. Asthma caused by polyisocyanates may persist in some individuals after removal of the polyisocyanate. Long-term overexposure has been reported to cause lung damage including reduced lung function.
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: Diisocyanates, Cas 28; 100.0%

For TSCA Purposes: This product contains 100.0% CAS number 9016-87-9.

The information contained herein is, to the best of our knowledge and belief, 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.