

MATERIAL SAFETY DATA SHEET

(This MSDS complies with 29 CFR 1910.1200)

Product Name: **BC 5105** Epoxy Resin
Product Class: Epoxy Resin Mixture
Issue Date: 04/19/07
Approved By: Thomas E. Evans

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

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

SECTION 1 - HAZARDOUS INGREDIENTS

Chemical Name	Wt. % (optional)	OSHA (PEL)	ACGIH (TLV)	CAS NO.
Butandiol Diglycidyl Ether		<i>N.E.</i>	<i>N.E.</i>	2425-79-8
Diglycidyl Ether of Bisphenol A		<i>N.E.</i>	<i>N.E.</i>	25085-99-8
Epoxidized Novolac Resin		<i>N.E.</i>	<i>N.E.</i>	28064-14-4

SECTION 2 - PHYSICAL DATA

Boiling Point:	>300 ° F	Specific Gravity (H ₂ O=1):	1.18
Vapor Pressure (mm Hg):	< 0.1	Vapor Density (Air = 1):	> 1.0
Solubility in Water:	Negligible	Reactivity in Water:	Negligible
Appearance and odor:	Amber, clear, almost odorless.		

SECTION 3 - FIRE AND EXPLOSION HAZARD

Flash Point:	230 ° F	Flammable Limit:	LEL: <i>N.D.A.</i>
Method Used:	PMCC	(In Air % by volume)	UEL: <i>N.D.A.</i>
Auto Ignition Temperature:	<i>N.A.</i>		
Extinguishing Media:	Carbon Dioxide, dry chemical, chemical foam, water spray.		
Fire & Explosion Hazards:	Decomposition and combustion products may be toxic.		
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.
Incompatibility:	Oxidizing acids, lewis acids, metal organic compounds.
Hazardous Decomposition Products:	Carbon monoxide from incomplete burning.
Hazardous Polymerization (Materials to avoid):	Will not occur.

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

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.

SECTION 6 - FIRST AID AND HEALTH INFORMATION

- | Routes of Entry | FIRST AID |
|-----------------|--|
| Inhalation: | Remove victim to fresh air. |
| 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: | Dilute with large volume of water and induce vomiting. Seek medical attention. |

EFFECTS OF OVEREXPOSURE

- Acute: *Eyes:* May cause reddening, irritation.
Skin: Dermatitis, possible sensitization.
Respiratory: Excessive inhalation may cause nasal and respiratory irritation.
Ingestion: May cause gastrointestinal irritation.
- Chronic: Skin sensitization.

Existing Health Conditions: None known.

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 65-85 ° F. Store in sealed original containers. Avoid excessive temperatures.

SECTION 8 - SPECIAL PROTECTION INFORMATION

- Respiratory Protection: Use NIOSH approved respirator.
- Ventilation: Down draft type recommend.
- Protection: Fitted chemical goggles, 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.

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.