

# MATERIAL SAFETY DATA SHEET

(This MSDS complies with 29 CFR 1910.1200)

Product Name:	<b>BC 5114 Epoxy Laminate Hardener</b>	<b>BCC PRODUCTS, INC.</b>	<b>HMIS</b>
Product Class:	Amine curing agent	2140 Earlywood Drive	<b>H - 3</b>
Issue Date:	10/02/06	P.O. Box 327	<b>F - 1</b>
Approved By:	Thomas E. Evans	Franklin, IN 46131	<b>R - 0</b>
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**24 HOUR EMERGENCY NO. 1-800-424-9300 CHEMTREC**

## SECTION 1 - HAZARDOUS INGREDIENTS

Chemical Name	Wt. % (optional)	OSHA (PEL)	ACGIH (TLV)	CAS NO.
Triethylene Tetramine (TETA)		<i>N.E.</i>	<i>N.E.</i>	0112-24-3
1,3 Bis (Aminomethyl) Cyclohexane		<i>N.E.</i>	<i>N.E.</i>	2579-20-6
1-Methyl Imidazole		<i>N.E.</i>	<i>N.E.</i>	00616-47-7
1,8 Diamino-P-Methane		<i>N.E.</i>	<i>N.E.</i>	0080-52-4

## SECTION 2 - PHYSICAL DATA

Boiling Point:	400 deg F	Specific Gravity (H2O=1):	0.99
Vapor Pressure (mm Hg):	<i>N.D.A.</i>	Vapor Density (Air = 1):	<i>N.D.A.</i>
Solubility in Water:	Moderate	Reactivity in Water:	Negligible
Appearance and odor:	Amber color/Amine odor		

## SECTION 3 - FIRE AND EXPLOSION HAZARD

Flash Point:	> 225 deg F	Flammable Limit:	LEL: <i>N.E.</i>
Method Used:	PMCC	(In Air % by volume)	UEL: <i>N.E.</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 (Materials to avoid):	Strong acids, peroxides and other oxidizing agents.
Hazardous Decomposition Products:	Carbon monoxide from incomplete burning.
Hazardous Polymerization ( <b>Materials to avoid</b> ):	Will not occur.

## SECTION 5 - ENVIRONMENTAL AND DISPOSAL INFORMATION

Spill: Using recommended protective equipment, take up with absorbent material. Dike to contain. Flush area with 5% acetic acid.

Disposal: Use approved incineration in accordance with federal, state and local environmental regulations  
Material must be disposed of in approved land fill.

*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. Drink large quantity of milk. Seek medical attention.

## EFFECTS OF OVER EXPOSURE

Acute:                    Irritation, dermatitis, allergic skin reactions.  
Chronic:                Repeated, excessive exposure may cause sensitization.

Potential 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. Do not store in direct sunlight. Keep away from oxidizing agents and open flame.

## SECTION 8 - SPECIAL PROTECTION INFORMATION

Respiratory Protection:      Use NIOSH approved respirator, with organic vapor cartridges.  
Ventilation:                    Local exhaust.  
Eye 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.

TSCA: This product or its components are listed in or exempt from the TSCA inventory requirements. This product contains the following substances subject to export notification under Section 12 (b) of TSCA: None

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.