



**Product: DERBIGUM BC & C PRIMERS Component A**

**MSDS Date:** 6-30-10  
**Product Name:** DERBIGUM BC & C PRIMERS Component A  
**Manufacturer:** DERBIGUM Americas, Inc.

**I. Product and Company Description**

DERBIGUM Americas, Inc.  
4821 Chelsea Ave.  
Kansas City, MO 64130

**Emergency Phone Number:**  
(800) 424-9300 CHEMTREC

**For Product Information:**  
(800) 541-5455

**Product Description:**  
Priming/Sealing

**II. Chemical Composition**

Component	CAS#	%Composition
Bisphenol A-(epichlorhydrin)	25068-38-6	50-100
Neodecanoic acid oxiranylmethyl ester	26761-45-5	10-25
Hexanedioldiepoxypropylether	16096-31-4	10-25

**III. Hazards Identification**

**A. Emergency Overview:**

**Physical Appearance and Odor:**  
Yellow liquid with aromatic odor

**B. Potential Health Effects:**

**Acute Eye:**  
May cause irritation.

**Acute Skin:**  
May cause irritation.

**Acute Inhalation:**  
May cause irritation to the respiratory tract.

**Acute ingestion:**  
May cause gastrointestinal damage if swallowed.



**Product: *DERBIGUM BC & C PRIMERS Component A***

**Chronic effects:**

ND

**IV. First Aid Measures**

**First Aid Measures for Accidental Exposure:**

**Eye Exposure:**

Immediately flush eyes with plenty of water. Get medical attention, if irritation persists. Remove contact lenses after flushing.

**Skin Exposure:**

Wash affected area with soap and water. Get medical attention if irritation develops or persists.

**Inhalation:**

Remove to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.

**Ingestion:**

Give large quantities of water. Never give anything by mouth to an unconscious person. Seek medical attention.

**V. Fire Fighting Measures**

**Fire Hazard Data:**

**Flash Point:** >100°C (>212°F)

**Method Used:** N/A

**Ignition Temperature:** N/A

**Flammability Limits (vol/vol%):**

**Lower:** N/A

**Upper:** N/A

**Extinguishing Media:**

Water fog, foam, or CO<sub>2</sub>

**Special Fire Fighting Procedures:**

Ensure that extinguishing agent does not enter waterways after fire.

**Unusual Fire and Explosion Hazards:**

Product does not present an explosion hazard.

**Hazardous Decomposition Materials (Under Fire Conditions):**

Combustion produces carbon monoxide, carbon dioxide, carbon and water. Other trace gases that may be released include phenols, formaldehyde, formic acid, acetone and hydrocarbons.



**Product: DERBIGUM BC & C PRIMERS Component A**

**VI. Accidental Release Measures**

**Cleanup and Disposal of Spill:**

Wearing proper personal protective equipment (Section VIII), stop the leak, if possible. Keep unauthorized persons away from spill area. Shut off or remove all ignition sources. Construct a dike to prevent spill from entering sewers, soil or waterways. Once contained, spread absorbent material over area.

Dispose of materials according to the applicable Federal, State, or local regulations.

**VII. Handling and Storage**

**Handling:**

Use with adequate ventilation.

**Storage:**

Store in a well-ventilated, cool, dry place. Keep containers closed. Avoid excessive heat and ignition sources.

**VIII. Exposure Controls / Personal Protection**

**Exposure Guidelines:**

Component	Exposure limits		
	ACGIH	NIOSH	OSHA-PELs
Bisphenol A-(epichlorhydrin)	ND	ND	ND
Neodecanoic acid oxiranylmethyl ester	ND	ND	ND
Hexanedioldiepoxypropylether	ND	ND	ND

**Engineering Controls:**

Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the MSDS.

**Respiratory Protection:**

Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or EN approved respirator when necessary.

**Eye / Face Protection:**

Wear appropriate safety glasses with side shields or chemical goggles as described by OSHA's eye and face protection regulations in 29CFR 1910.133 or European Standard EN166.

**Skin Protection:**

Chemical resistant gloves recommended, such as neoprene or nitrile rubber. Body covering clothing should be utilized

**IX. Physical and Chemical Properties**

**Physical Appearance:** Yellow liquid



**Product: *DERBIGUM BC & C PRIMERS Component A***

<b>Odor:</b>	Aromatic
<b>pH:</b>	ND
<b>Specific Gravity:</b>	ND
<b>Water Solubility:</b>	Not miscible
<b>Melting Point Range:</b>	ND
<b>Boiling Point Range:</b>	>200°C (>392°F)
<b>Vapor Pressure:</b>	ND
<b>Density:</b>	1.100 g/cm <sup>3</sup>

**X. Stability and Reactivity**

**Chemical Stability:**  
Stable under standard use and storage conditions.

**Conditions to Avoid:**  
None

**Materials / Chemicals to be Avoided:**  
None

**Hazardous Decomposition Products:**  
None

**Hazardous Polymerization:**  
Should not occur

**XI. Toxicological Information**

**Acute Oral Toxicity:**  
ND

**Acute Dermal Toxicity:**  
ND

**Acute Inhalation Toxicity:**  
ND

**Chronic Toxicity:**  
ND

**XII. Ecological Information**

**Ecotoxicological Information:**  
Degradation: Not Determined  
Accumulation: Not Determined  
Fish-Toxicity: Not Determined

**Chemical Fate Information:**  
Not Determined



**Product: DERBIGUM BC & C PRIMERS Component A**

**XIII. Disposal Considerations**

**Waste Disposal Method:**

Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations.

**Container Handling and Disposal:**

Dispose of container and unused contents in accordance with federal, state, and local regulations.

**XIV. Transportation Information**

**US Department of Transportation Shipping Name:**

US Department of Transportation	Proper Shipping Name	Environmentally Hazardous Substance, Liquid, N.O.S. (Bisphenol A-(epichlorhydrin) epoxy resin)
	Hazard Class	9
	ID Number	UN 3082
	Packaging Group	III

**XV. Regulatory Information**

**Federal Regulations:**

**SARA Title III Hazard Classes:**

Fire Hazard: YES  
 Reactive Hazard: NO  
 Release of Pressure: NO  
 Acute Health Hazard: YES  
 Chronic Health Hazard: NO

**SARA Section References:**

Section 302 (RQ)  
 None of the chemicals in this material have an RQ.  
 Section 302 (TPQ)  
 None of the chemicals in this product have a TPQ.  
 Section 313

This substance is not listed under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) (also referred to as the Toxics Release Inventory (TRI)).

**Toxic Substances Control Act (TSCA):** All components are included in the inventory or are not required to be listed.



**Product: DERBIGUM BC & C PRIMERS Component A**

**Other Regulations:**

**State:**

The components identified with an X are present on the respective state's Right To Know lists:

Component	MA	PA	MI	NJ
Bisphenol A-(epichlorhydrin)				
Neodecanoic acid oxiranylmethyl ester				
Hexanedioldiepoxypropylether				

California Prop. 65: None of the chemicals in this product are listed.

**XVI. Other Information**

**National Fire Protection Association Hazard Ratings – NFPA(R):**

Health Hazard: 2  
Flammability: 1  
Reactivity: 0

**Key Legend Information:**

N/A – Not Applicable  
ND – Not Determined  
ACGIH – American Conference of Governmental Industrial Hygienists  
OSHA – Occupational Safety and Health Administration

TLV – Threshold Limit Value  
PEL – Permissible Exposure Limit  
TWA – Time Weighted Average  
STEL – Short Term Exposure Limit  
NTP – National Toxicology Program  
IARC – International Agency for Research on Cancer

**The information contained herein is based on the data available to us and is believed to be correct. However DERBIGUM Americas, Inc. makes no warranty, expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof.**



**Product: *DERBIGUM BC & C PRIMERS Component B***

**MSDS Date:** 6-30-10  
**Product Name:** DERBIGUM BC & C PRIMERS Component B  
**Manufacturer:** DERBIGUM Americas, Inc.

**I. Product and Company Description**

DERBIGUM Americas, Inc.  
4821 Chelsea Ave.  
Kansas City, MO 64130

**Emergency Phone Number:**  
(800) 424-9300 CHEMTREC

**For Product Information:**  
(800) 541-5455

**Product Description:**  
Priming/Sealing

**II. Chemical Composition**

Component	CAS#	%Composition
3-aminomethyl-3,5,5-trimethylcyclohexylamine	2855-13-2	25-50
Nonylphenol	25154-52-3	10-25
Polyoxpropenediamine	9046-10-0	10-25

**III. Hazards Identification**

**A. Emergency Overview:**

**Physical Appearance and Odor:**  
Yellow liquid with amine-like odor

**B. Potential Health Effects:**

**Acute Eye:**  
Corrosive material may cause burns.

**Acute Skin:**  
Corrosive material may cause burns. May cause sensitization by skin contact.

**Acute Inhalation:**  
May cause irritation to the respiratory tract.

**Acute ingestion:**  
May cause gastrointestinal damage if swallowed.



**Product: DERBIGUM BC & C PRIMERS Component B**

**Chronic effects:**  
ND

**IV. First Aid Measures**

**First Aid Measures for Accidental Exposure:**

**Eye Exposure:**

Immediately flush eyes with plenty of water. Get medical attention, if irritation persists. Remove contact lenses after flushing.

**Skin Exposure:**

Wash affected area with soap and water. Get medical attention if irritation develops or persists.

**Inhalation:**

Remove to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.

**Ingestion:**

Give large quantities of water. Never give anything by mouth to an unconscious person. Seek medical attention.

**V. Fire Fighting Measures**

**Fire Hazard Data:**

**Flash Point:** >110°C (>230°F)

**Method Used:** N/A

**Ignition Temperature:** 200°C (392°F)

**Flammability Limits (vol/vol%):**                      **Lower:** 1.0                      **Upper:** 7.0

**Extinguishing Media:**

Water fog, foam, or CO<sub>2</sub>

**Special Fire Fighting Procedures:**

Ensure that extinguishing agent does not enter waterways after fire.

**Unusual Fire and Explosion Hazards:**

Product does not present an explosion hazard.

**Hazardous Decomposition Materials (Under Fire Conditions):**

Combustion produces carbon monoxide, carbon dioxide, carbon and water. Other trace gases that may be released include hydrogen cyanide, amine, phenols, formaldehyde, formic acid, acetone and hydrocarbons.





**Product: DERBIGUM BC & C PRIMERS Component B**

**VI. Accidental Release Measures**

**Cleanup and Disposal of Spill:**

Wearing proper personal protective equipment (Section VIII), stop the leak, if possible. Keep unauthorized persons away from spill area. Shut off or remove all ignition sources. Construct a dike to prevent spill from entering sewers, soil or waterways. Once contained, spread absorbent material over area.

Dispose of materials according to the applicable Federal, State, or local regulations.

**VII. Handling and Storage**

**Handling:**

Use with adequate ventilation.

**Storage:**

Store in a well-ventilated, cool, dry place. Keep containers closed. Avoid excessive heat and ignition sources.

**VIII. Exposure Controls / Personal Protection**

**Exposure Guidelines:**

Component	Exposure limits		
	ACGIH	NIOSH	OSHA-PELs
3-aminomethyl-3,5,5-trimethylcyclohexylamine	ND	ND	ND
Nonylphenol	ND	ND	ND
Polyoxpropenediamine	ND	ND	ND

**Engineering Controls:**

Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the MSDS.

**Respiratory Protection:**

Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or EN approved respirator when necessary.

**Eye / Face Protection:**

Wear appropriate safety glasses with side shields or chemical goggles as described by OSHA's eye and face protection regulations in 29CFR 1910.133 or European Standard EN166.

**Skin Protection:**

Chemical resistant gloves recommended, such as neoprene or nitrile rubber. Body covering clothing should be utilized

**IX. Physical and Chemical Properties**

**Physical Appearance:**

Yellow liquid

**Odor:**

Amine-like



**Product: *DERBIGUM BC & C PRIMERS Component B***

<b>pH:</b>	ND
<b>Specific Gravity:</b>	ND
<b>Water Solubility:</b>	Not miscible
<b>Melting Point Range:</b>	ND
<b>Boiling Point Range:</b>	>240°C (>464°F)
<b>Vapor Pressure:</b>	ND
<b>Density:</b>	0.950 g/cm <sup>3</sup>

**X. Stability and Reactivity**

**Chemical Stability:**

Stable under standard use and storage conditions.

**Conditions to Avoid:**

None

**Materials / Chemicals to be Avoided:**

None

**Hazardous Decomposition Products:**

None

**Hazardous Polymerization:**

Should not occur

**XI. Toxicological Information**

**Acute Oral Toxicity:**

ND

**Acute Dermal Toxicity:**

ND

**Acute Inhalation Toxicity:**

ND

**Chronic Toxicity:**

ND

**XII. Ecological Information**

**Ecotoxicological Information:**

Degradation:	Not Determined
Accumulation:	Not Determined
Fish-Toxicity:	Not Determined

**Chemical Fate Information:**

Not Determined



**Product: *DERBIGUM BC & C PRIMERS Component B***

**XIII. Disposal Considerations**

**Waste Disposal Method:**

Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations.

**Container Handling and Disposal:**

Dispose of container and unused contents in accordance with federal, state, and local regulations.

**XIV. Transportation Information**

**US Department of Transportation Shipping Name:**

US Department of Transportation	Proper Shipping Name	Corrosive Liquid, N.O.S. (Isophorodiamine and Nonylphenol)
	Hazard Class	8
	ID Number	UN 1760
	Packaging Group	II

**XV. Regulatory Information**

**Federal Regulations:**

**SARA Title III Hazard Classes:**

Fire Hazard: YES  
 Reactive Hazard: NO  
 Release of Pressure: NO  
 Acute Health Hazard: YES  
 Chronic Health Hazard: NO

**SARA Section References:**

Section 302 (RQ)  
 None of the chemicals in this material have an RQ.  
 Section 302 (TPQ)  
 None of the chemicals in this product have a TPQ.  
 Section 313  
 This substance is not listed under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) (also referred to as the Toxics Release Inventory (TRI)).

**Toxic Substances Control Act (TSCA):** All components are included in the inventory or are not required to be listed.



**Product: DERBIGUM BC & C PRIMERS Component B**

**Other Regulations:**

**State:**

The components identified with an X are present on the respective state's Right To Know lists:

Component	MA	PA	MI	NJ
3-aminomethyl-3,5,5-trimethylcyclohexylamine				X
Nonylphenol	X	X		
Polyoxpropenediamine				

California Prop. 65: None of the chemicals in this product are listed.

**XVI. Other Information**

**National Fire Protection Association Hazard Ratings – NFPA(R):**

Health Hazard: 3  
Flammability: 1  
Reactivity: 0

**Key Legend Information:**

N/A – Not Applicable  
ND – Not Determined  
ACGIH – American Conference of Governmental Industrial Hygienists  
OSHA – Occupational Safety and Health Administration

TLV – Threshold Limit Value  
PEL – Permissible Exposure Limit  
TWA – Time Weighted Average  
STEL – Short Term Exposure Limit  
NTP – National Toxicology Program  
IARC – International Agency for Research on Cancer

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