

# MATERIAL SAFETY DATA SHEET

Date Prepared: February 1, 2008

## 1. PRODUCT/COMPANY IDENTIFICATION

**Product Name:**  
**BONSAL® B-150 Epoxy Adhesive (Part A)**  
**ProSpec Epoxy Adhesive (Part A)**

**Product No:**  
**203005**  
**203005**

**Emergency Telephone:**  
800-424-9300 (Chemtrec) or  
703-527-3887 (Outside USA)

**Manufacturer's Name & Address:**  
Bonsal American Inc./ an Oldcastle company  
8201 Arrowridge Blvd  
Charlotte, NC 28273

**Telephone Number for Information:**  
704-525-1621

## 2. EMERGENCY AND FIRST AID

**EMERGENCY INFORMATION:**

This product is a colored paste. When B-150 (Part A) is mixed with B-150 (Part B) it results in a mixture that is 100% solids liquid. Inhalation may cause irritation to the moist mucous membranes of the nose, throat and upper respiratory system or may cause or may aggravate certain lung diseases or conditions.

**EYES:**

Immediately flush eye thoroughly with water. Continue flushing eye for at least 15 minutes, including under lids, to remove all particles. Get medical attention if irritation occurs.

**SKIN:**

Wash skin with water and soap or an approved cream. Seek medical treatment if irritation or inflammation develops.

**INHALATION:**

Remove person to fresh air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration. Seek medical help if coughing and other symptoms do not subside. Inhalation of large amounts of product requires immediate medical attention.

**INGESTION:**

Do not induce vomiting. Call a physician immediately.

NOTE: Contact with product at elevated temperatures can result in burns.

### 3. COMPOSITION INFORMATION

**DESCRIPTION:** This product is a heavy body colored liquid. Its major components are:

Crystalline Silica	50-60%	CAS #14808-60-7
Diglycidyl Ether of Bisphenol A**	25-35%	CAS #25068-38-6
Nonyl Phenol*	0-5%	CAS # 84852-15-3
Additives	0-3%	Proprietary
Ester/ Isobutyrate	3-10%	CAS # 6846-50-0

### 4. HAZARDOUS INGREDIENTS

COMPONENT	OSHA PEL (8-Hour TWA)	ACGIH TLV-TWA (1995-1996)	NIOSH REL (8-Hour TWA)
<b>Crystalline silica</b> (CAS #14808-60-7)	<u>10 mg of respirable dust/m<sup>3</sup></u> % SiO <sub>2</sub> + 2 <u>30 mg of total dust/m<sup>3</sup></u> % SiO <sub>2</sub> + 2 <u>250 million particles/ft<sup>3</sup></u> % SiO <sub>2</sub> + 5	0.05 mg respirable quartz dust/m <sup>3</sup>	0.05 mg respirable quartz dust/m <sup>3</sup>
<b>Nonyl Phenol*</b> (CAS # 14808-60-7)			
<b>Epoxy Resin**</b> <b>Epichlorohydrin</b> (CAS # 106-89-8)	2 PPM		

This product contains trace amounts of Epichlorohydrin.  
 \* Compound is moderate-slight toxic  
 \* Toxic – LD50 Oral 0.58 g/kg (RAT) Dermal 2.14 g/kg (RABBIT)  
 \*\* Toxic – LD50 Oral 11.49 g/kg (RAT) Dermal >20 ml/kg (RABBIT)

### 5. HAZARD IDENTIFICATION

**POTENTIAL HEALTH EFFECTS:** NOTE: Potential health effects may vary depending upon the duration and degree of exposure. To reduce or eliminate health hazards associated with this product, use exposure controls or personal protection methods as described in Section 10.

**EYE CONTACT:** (Acute/Chronic) Exposure to airborne sanding dust may cause immediate or delayed irritation or inflammation of the cornea. Eye contact by splashes of wet product may cause effects ranging from slight to moderate eye damage. Eye damage may be irreversible.

**SKIN CONTACT:** (Acute) Exposure to liquid product may cause drying of the skin with consequent mild irritation or more significant effects attributable to aggravation of other conditions. Discomfort or pain

cannot be relied upon to alert a person to a hazardous skin exposure.

(Chronic) Product coming in contact with wet skin or exposure to wet product may cause skin irritation. Prolonged exposure may cause skin damage.

(Acute/Chronic) Some individuals may exhibit an allergic response upon exposure to product. The response may appear in a variety of forms ranging from a mild rash to severe irritation.

**INHALATION:**

(Acute) Exposure to product may cause irritation to the moist mucous membranes of the nose, throat and upper respiratory system. Pre-existing upper respiratory and lung diseases may be aggravated by inhalation of product.

(Chronic) Inhalation exposure to free crystalline silica may cause delayed lung injury including silicosis, a disabling and potentially fatal lung disease, and/or cause or aggravate other lung diseases or conditions.

**INGESTION:**

(Acute/Chronic) Internal discomfort or ill effects are possible if swallowed.

**CARCINOGENIC POTENTIAL:**

Product is not recognized as a carcinogen by NTP, OSHA, or IARC. However, it may contain trace amounts of compounds as carcinogens by these organizations.

**6. ACCIDENTAL RELEASE MEASURES  
(See Section 15 for Regulatory Information)**

Contain material to prevent contamination of soil, surface water or ground water. Use dry clean-up methods that do not disperse dust into the air or entry into surface water. Material can be used if not contaminated. Place in an appropriate labeled container for disposal or use. Avoid inhalation of dust and contact with skin and eyes. Use exposure control and personal protection methods as described in Section 12.

**7. PHYSICAL/CHEMICAL DATA**

<b>APPEARANCE/ODOR:</b>	Odor: mild phenolic	<b>PHYSICAL STATE:</b>	Viscous paste
		<b>VOLITILE BY VOLUME(%):</b>	0%
<b>VAPOR PRESSURE:</b>	4.0 (mm Hg)	<b>VAPOR DENSITY: Air =1</b>	9.8
<b>pH</b>		<b>SOLUBILITY IN WATER:</b>	Partially
<b>SPECIFIC GRAVITY (H<sub>2</sub>O = 1.0):</b>	1.0 – 1.4	<b>EVAPORATION RATE:</b>	Not applicable

<b>8. FIRE AND EXPLOSION</b>
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<b>FLASH POINT:</b>	290° F (143°C)	<b>LOWER EXPLOSIVE LIMIT:</b>	Not available
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<b>AUTO IGNITION TEMPERATURE:</b>	Unknown	<b>UPPER EXPLOSIVE LIMIT:</b>	Not available
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<b>FLAMMABLE LIMITS</b>	Unknown	<b>SPECIAL FIRE FIGHTING PROCEDURES:</b>	<p>Water spray may be ineffective. Water spray may be used to cool closed containers to prevent pressure build-up and possible auto ignition or explosion when exposed to extreme heat. If water is used, fog apparatus and full protective clothing. Requires self-contained breathing apparatus.</p>
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<b>EXTINGUISHING MEDIA:</b>	Use extinguishers appropriate for surrounding fire.	<b>UNUSUAL FIRE AND EXPLOSION HAZARDS:</b>	<p>Keep this product away from heat, sparks, flame, and other sources of ignition (i.e., pilot lights, electric motors, static electricity). Invisible vapors can travel to a source of ignition and flash back. Do not smoke while using this product. Keep containers tightly closed when not in use. Closed containers may explode when overheated. Do not apply to hot surfaces. Toxic gases may form when this product comes in contact with extreme heat.</p>
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<b>HAZARDOUS COMBUSTION PRODUCTS:</b>	None Known
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<b>9. STABILITY AND REACTIVITY DATA</b>
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<b>STABILITY:</b>	Product is normally stable at ambient temperatures and pressures.
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<b>INCOMPATIBILITY (MATERIALS AND CONDITIONS TO AVOID):</b>	Can react vigorously with strong oxidizing agents, strong Lewis or mineral acids, and strong mineral and organic curing agents may produce considerable heat. Run-a-way cure reaction may
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char and decompose the resin system, generating unidentified fumes and vapors which may be toxic.

**HAZARDOUS DECOMPOSITION:**

Products: Carbon Monoxide, Aldehydes, Acids, and other organic substances may be formed during combustion of elevated (>500° F) temperature degradation.

**HAZARDOUS POLYMERIZATION:**

Will not occur.

**10. PRECAUTIONS FOR HANDLING AND STORAGE**

**HANDLING AND STORAGE**

Keep dry until used. Handle and store in a manner so that airborne dust does not exceed applicable exposure limits. Use adequate ventilation and dust collection. Use exposure control and personal protection methods as described in Section 10.

**SPILLS:**

Use dry clean-up methods that do not disperse dust into the air or entry into surface water. Material can be used if not contaminated. Place in an appropriate container for disposal or use. Avoid inhalation of dust and contact with skin and eyes. Use exposure control and personal protection methods as described in Section 10.

**11. TOXICOLOGICAL INFORMATION**

See Section 5 for Hazard Identification. No recognized unusual toxicity to plants and animals.

Conditions aggravated by exposure: Eye disease, Skin disorders and Chronic Respiratory conditions.

**12. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**RESPIRATORY PROTECTION:**

Use local exhaust or general dilution ventilation to control fumes to levels below applicable exposure limits. Minimize dispersal into the air. Avoid breathing vapors.

If local or general ventilation is not adequate to control levels below applicable exposure limits or when irritation or discomfort occurs, use MSHA/NIOSH approved respirators.

**EYE PROTECTION:**

Wear safety glasses with side shields or goggles to avoid contact with the eyes. In due to unpredictable environments, wear tight-fitting unvented or indirectly vented goggles to avoid eye irritation or injury. Contact lenses should not be worn when handling this product.

**SKIN PROTECTION:**

Wear impervious abrasion- and chemical-resistant gloves, boots, long-sleeved shirt, long pants or other protective clothing to prevent skin contact. Promptly remove clothing with product or clothing dampened with moisture mixed with product, and

launder before re-use. If contact occurs, wash areas contacted by material with soap and water.

### 13. DISPOSAL CONSIDERATIONS

**DISPOSAL:** DO NOT DUMP INTO ANY SEWERS, ON THE GROUND OR INTO ANY BODY OF WATER. All disposal methods must be in compliance with all Federal, State/ Provincial and local laws and regulations of unusable or contaminated materials. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. Dispose of packaging/containers according to local, state and federal regulations.

**IF THIS MATERIAL AS PACKAGED, BECOMES A WASTE, IT DOES NOT MEET THE CRITERIA FOR A HAZARDOUS WASTE AS DEFINED BY THE ENVIRONMENTAL PROTECTION AGENCY UNDER THE AUTHORITY OF THE RESOURCE CONSERVATION AND RECOVER ACT (40CFR 261), DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.**

### 14. TRANSPORTATION DATA

Product is not regulated by DOT-HMR.

### 15. OTHER REGULATORY INFORMATION

<b>Occupational Safety and Health Act (OSHA):</b>	This material is classified as a non hazardous chemical under the criteria of the US Occupational Safety and health Administration (OSHA) Hazard communication Standard, 29 CFR 1910.1200.
<b>SARA Title 111: Section 302- Extremely Hazardous Substances (EHS):</b>	This product does not contain any chemicals regulated under Section 302 (40CFRR 355) as extremely hazardous substances.
<b>SARA Title 111: Section 304 CERCLA:</b>	Reportable Quantities have not been established for any of this material's components.
<b>SARA Title 111: Section 311/312- Hazard Communication Standard (HCS):</b>	This material is classified as an IMMEDIATE HEALTH HAZARD AND DELAYED HEALTH HAZARD under the US Superfund Amendment and Reauthorization Act (Section 311/312).
<b>SARA Title 111:: Section 313 Toxic Chemical List (TLC):</b>	This product does not contain any chemicals for routine annual toxic chemical release reporting under Section 313 (40 CFR 372).
<b>TCSA Section 8 (b) - Inventory Status:</b>	All components of this material are listed on the US Toxic Substances Control Act (TCSA) inventory.
<b>TCSA Section 12 (b) – Export Notification:</b>	This material does not contain any components that are subject to the US Toxic Substance Control Act (TCSA) Section 12(b) Export Notification requirements.
<b>Canadian Inventory Status:</b>	All components of this material are listed on the

**Canadian WHMIS:**

Canadian Domestic Substances List (DSL).

This material is classified by the Canadian Workplace Hazardous Material Information System as: DIB (materials causing immediate and serious toxic effects, toxic material), D2A (materials causing other toxic effects, very toxic material) D2B (materials causing other toxic effects, toxic material)

**European Inventory Status (EINECS):**

All Components are either listed or are exempt from being listed on the EINECS chemical inventory

**California Proposition 65:**

This product is not known to contain any chemicals listed by the State of California (safe Drinking Water and Toxic Enforcement Act of 1986 to cause cancer or reproductive toxicity.

**Additional Canadian Regulatory Information:**

This product contains the following chemical(s) listed on the WHMIS Ingredient Disclosure List at or above the specified concentration limit: Triethylenetetramine (CAS# 112-24-3) Tetraethylenepentamine (CAS# 112-57-2)

**16. OTHER INFORMATION**

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information contained herein. It is the user's obligation to determine the conditions of safe use of this product.

# MATERIAL SAFETY DATA SHEET

Date Prepared: February 1, 2008

## 1. PRODUCT/COMPANY IDENTIFICATION

**Product Name:**  
**BONSAL® B-150 Epoxy Adhesive (Part B)**  
**ProSpec B-150 Epoxy Adhesive (Part B)**

**Product No:**  
**203005**  
**203005**

**Emergency Telephone:**  
800-424-9300 (Chemtrec) or  
703-527-3887 (Outside USA)

**Manufacturer's Name & Address:**  
Bonsal American Inc./ an Oldcastle company  
8201 Arrowridge Blvd  
Charlotte, NC 28273

**Telephone Number for Information:**  
704-525-1621

## 2. EMERGENCY AND FIRST AID

### EMERGENCY INFORMATION:

This product is a liquid polamide adduct. When B-150 (Part B) is mixed with B-150 (Part A) it results in a mixture that is 100% solids liquid. Inhalation may cause irritation to the moist mucous membranes of the nose, throat and upper respiratory system or may cause or may aggravate certain lung diseases or conditions.

### EYES:

Immediately flush eye thoroughly with water. Continue flushing eye for at least 15 minutes, including under lids, to remove all particles. Get medical attention if irritation occurs.

### SKIN:

Wash skin with water and soap or an approved cream. Seek medical treatment if irritation or inflammation develops.

### INHALATION:

Remove person to fresh air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration. Seek medical help if coughing and other symptoms do not subside. Inhalation of large amounts of this product requires immediate medical attention.

### INGESTION:

Do not induce vomiting. If conscious, have the victim drink plenty of water and call a physician immediately.

### 3. COMPOSITION INFORMATION

<b>DESCRIPTION:</b>	This product is a amber colored liquid. Its major components are:		
	Modified Polyamines	40-50%	Proprietary
	Crystalline Silica	40-50%	CAS #14808-60-7
	Additives	<10%	Proprietary

### 4. HAZARDOUS INGREDIENTS

COMPONENT	OSHA PEL (8-Hour TWA)	ACGIH TLV-TWA (1995-1996)	NIOSH REL (8-Hour TWA)
----- <b>Crystalline silica</b> (CAS #14808-60-7)	----- <u>10 mg of respirable dust/m<sup>3</sup></u> % SiO <sub>2</sub> + 2 <u>30 mg of total dust/m<sup>3</sup></u> % SiO <sub>2</sub> + 2 <u>250 million particles/ft<sup>3</sup></u> % SiO <sub>2</sub> + 5	----- 0.05 mg respirable quartz dust /m <sup>3</sup>	----- 0.05 mg respirable quartz dust/m <sup>3</sup>
<b>Amido Amine</b>	None established	Skin sensitizer (Class 3)	

**TRACE INGREDIENTS:**

Due to the use of substances mined from the earth's crust, trace amounts of naturally occurring, potentially harmful constituents may be detected during chemical analysis. Metals maybe present in trace substitutions within the principal minerals.

### 5. HAZARD IDENTIFICATION

<b>POTENTIAL HEALTH EFFECTS:</b>	NOTE: Potential health effects may vary depending upon the duration and degree of exposure. To reduce or eliminate health hazards associated with this product, use exposure controls or personal protection methods as described in Section 10.
<b>EYE CONTACT:</b>	(Acute/Chronic) Exposure to airborne sanding dust may cause immediate or delayed irritation or inflammation of the cornea. Eye contact by splashes of wet product may cause effects ranging from slight to moderate eye damage. Eye damage may be irreversible.
<b>SKIN CONTACT:</b>	(Acute) Exposure to liquid product may cause drying of the skin with consequent mild irritation or more significant effects attributable to aggravation of other conditions. Discomfort or pain cannot be relied upon to alert a person to a hazardous skin exposure.  (Chronic) Product coming in contact with wet skin or exposure to wet product may cause skin irritation. Prolonged exposure may cause skin damage.  (Acute/Chronic) Some individuals may exhibit an allergic

response upon exposure to product. The response may appear in a variety of forms ranging from a mild rash to severe irritation.

**INHALATION:**

(Acute) Exposure to product may cause irritation to the moist mucous membranes of the nose, throat and upper respiratory system. Pre-existing upper respiratory and lung diseases may be aggravated by inhalation of product.

(Chronic) Inhalation exposure to free crystalline silica may cause delayed lung injury including silicosis, a disabling and potentially fatal lung disease, and/or cause or aggravate other lung diseases or conditions.

**INGESTION:**

(Acute/Chronic) Internal discomfort or ill effects are possible if swallowed.

**CARCINOGENIC POTENTIAL:**

Product is not recognized as a carcinogen by NTP, OSHA, or IARC. However, it may contain trace amounts of heavy metals recognized as carcinogens by these organizations. In addition, IARC classifies crystalline silica, as a known human carcinogen (Group I). NTP has characterized respirable silica as "known to be a human carcinogen." (See also Section 13.)

<b>6. ACCIDENTAL RELEASE MEASURES</b>
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Contain material to prevent contamination of soil, surface water or ground water. Use dry clean-up methods that do not disperse dust into the air or entry into surface water. Material can be used if not contaminated. Place in an appropriate labeled container for disposal or use. Avoid inhalation of dust and contact with skin and eyes. Use exposure control and personal protection methods as described in Section 12.

<b>7. PHYSICAL/CHEMICAL DATA</b>
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<b>APPEARANCE/ODOR:</b>	Odor: mild amine Appearance: amber liquid	<b>PHYSICAL STATE:</b>	Viscous liquid
		<b>VOLATILE BY VOLUME (%):</b>	0%
<b>BOILING POINT:</b>	Decompress	<b>MELTING POINT:</b>	Not applicable
<b>VAPOR PRESSURE:</b>	Unknown	<b>VAPOR DENSITY:</b>	Not applicable
<b>pH</b>		<b>SOLUBILITY IN WATER:</b>	Miscible
<b>SPECIFIC GRAVITY (H<sub>2</sub>O = 1.0):</b>	>1.0	<b>EVAPORATION RATE:</b>	Not applicable

<b>8. FIRE AND EXPLOSION</b>
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<b>FLASH POINT:</b>	200° F	<b>LOWER EXPLOSIVE LIMIT:</b>	Not available
<b>AUTO IGNITION</b>	Unknown	<b>UPPER EXPLOSIVE LIMIT:</b>	Not available

**TEMPERATURE:**

**FLAMMABLE LIMITS** Not applicable

**SPECIAL FIRE FIGHTING PROCEDURES:**

Water spray may be ineffective. Water spray may be used to cool closed containers to prevent pressure build-up and possible auto ignition or explosion when exposed to extreme heat. If water is used, fog apparatus and full protective clothing. Requires self-contained breathing apparatus.

**EXTINGUISHING MEDIA:**

Use extinguishers appropriate for surrounding fire.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

Keep this product away from heat, sparks, flame, and other sources of ignition (i.e., pilot lights, electric motors, static electricity). Invisible vapors can travel to a source of ignition and flash back. Do not smoke while using this product. Keep containers tightly closed when not in use. Closed containers may explode when overheated. Do not apply to hot surfaces. Toxic gases may form when this product comes in contact with extreme heat.

**HAZARDOUS COMBUSTION PRODUCTS:**

None Known

**9. STABILITY AND REACTIVITY DATA**

**STABILITY:**

Product is normally stable at ambient temperatures and pressures.

**INCOMPATIBILITY (MATERIALS AND CONDITIONS TO AVOID):**

Avoid contact with acids and oxidant containing compounds.

**HAZARDOUS DECOMPOSITION:**

May produce hazardous decomposition products when exposed to extreme heat. Extreme heat includes, but is not limited to, flame cutting, brazing, and welding.

**HAZARDOUS POLYMERIZATION:**

Will not occur.

**10. PRECAUTIONS FOR HANDLING AND STORAGE**

**HANDLING AND STORAGE**

Keep dry until used. Handle and store in a manner so that airborne dust does not exceed applicable exposure limits. Use adequate ventilation and dust collection. Use exposure control and personal protection methods as described in Section 10.

**SPILL:**

Use dry clean-up methods that do not disperse dust into the air or

entry into surface water. Material can be used if not contaminated. Place in an appropriate container for disposal or use. Avoid inhalation of dust and contact with skin and eyes. Use exposure control and personal protection methods as described in Section 10.

## 11. EXPOSURE CONTROLS/PERSONAL PROTECTION

### **RESPIRATORY PROTECTION:**

Use local exhaust or general dilution ventilation to control fumes to levels below applicable exposure limits. Minimize dispersal into the air. Avoid breathing vapors.

If local or general ventilation is not adequate to control levels below applicable exposure limits or when irritation or discomfort occurs, use MSHA/NIOSH approved respirators.

### **EYE PROTECTION:**

Wear safety glasses with side shields or goggles to avoid contact with the eyes. In due to unpredictable environments, wear tight-fitting unvented or indirectly vented goggles to avoid eye irritation or injury. Contact lenses should not be worn when handling this product.

### **SKIN PROTECTION:**

Wear impervious abrasion- and chemical-resistant gloves, boots, long-sleeved shirt, long pants or other protective clothing to prevent skin contact. Promptly remove clothing with product or clothing dampened with moisture mixed with product, and launder before re-use. If contact occurs, wash areas contacted by material with soap and water.

## 11. TOXICOLOGICAL INFORMATION

See Section 5 for Hazard Identification. No recognized unusual toxicity to plants and animals.

Conditions aggravated by exposure: Eye disease, Skin disorders and Chronic Respiratory conditions.

## 12. EXPOSURE CONTROLS/PERSONAL PROTECTION

### **RESPIRATORY PROTECTION:**

Use local exhaust or general dilution ventilation to control dust levels below applicable exposure limits. Minimize dispersal of dust into the air.

If local or general ventilation is not adequate to control dust levels below applicable exposure limits or when dust causes irritation or discomfort, use MSHA/NIOSH approved respirators.

### **EYE PROTECTION:**

Wear safety glasses with side shields or goggles to avoid contact with the eyes. In extremely dusty environments and unpredictable environments, wear tight-fitting unvented or indirectly vented goggles to avoid eye irritation or injury.

Contact lenses should not be worn when handling cement or cement containing products.

**SKIN PROTECTION:**

Wear impervious abrasion- and alkali-resistant gloves, boots, long-sleeved shirt, long pants or other protective clothing to prevent skin contact. Promptly remove clothing dusty with dry product or clothing dampened with moisture mixed with the product, and launder before re-use. If contact occurs, wash areas contacted by material with pH neutral soap and water.

### 13. DISPOSAL CONSIDERATIONS

**DISPOSAL:**

DO NOT DUMP INTO ANY SEWERS, ON THE GROUND OR INTO ANY BODY OF WATER. All disposal methods must be in compliance with all Federal, State/ Provincial and local laws and regulations of unusable or contaminated materials. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. Dispose of packaging/containers according to local, state and federal regulations.

**IF THIS MATERIAL AS PACKAGED, BECOMES A WASTE, IT DOES NOT MEET THE CRITERIA FOR A HAZARDOUS WASTE AS DEFINED BY THE ENVIRONMENTAL PROTECTION AGENCY UNDER THE AUTHORITY OF THE RESOURCE CONSERVATION AND RECOVER ACT (40CFR 261), DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.**

### 14. TRANSPORTATION DATA

**DOT proper shipping name:** Amine, Liquid, Corrosive, N.O. S., (Ethylene amines)

“For US Domestic ground transportation: Consumer Commodity, ORM-D”

“Do not ship via air freight. This product is not packaged for air transportation.”

For international ocean shipment via the IMDG Code: “Corrosive liquid, n.o.s. (Epoxy resin), 8, UN 1759, 111, limited quantity, EmS F-A, S-B”

### 15. OTHER REGULATORY INFORMATION

**Occupational Safety and Health Act (OSHA):**

This material is classified as a hazardous chemical under the criteria of the US Occupational Safety and Health Administration (OSHA) Hazard communication Standard, 29 CFR 1910.1200

**SARA Title 111: Section 304 CERCLA:**

Reportable Quantities have not been established for any of this material’s components.

**SARA Title 111: Section 311/312- Hazard Communication Standard (HCS):**

This material is classified as an IMMEDIATE HEALTH HAZARD under the US Superfund Amendment and Reauthorization Act (Section 311/312).

**SARA Title 111: Section 313 Toxic Chemical List (TLC):**

This product does not contain any chemicals for routine annual toxic chemical release reporting under Section 313 (40 CFR 372).

**TCSA Section 8 (b) - Inventory Status:**

All components of this material are listed on the US Toxic Substances Control Act (TCSA) inventory.

**TCSA Section 12 (b) – Export Notification:**

This material does not contain any components that are

**Canadian Inventory Status:****Canadian WHMIS:****European Inventory Status (EINECS):****Additional Canadian Regulatory Information:**

subject to the US Toxic Substance Control Act (TCSA) Section 12(b) Export Notification requirements. All components of this material are listed on the Canadian Domestic Substances List (DSL). This material is classified by the Canadian Workplace Hazardous Material Information System as: D2B (materials causing other toxic effects, toxic material). All Components are either listed or are exempt from being listed on the EINECS chemical inventory. This product does not contain a substance present on the WHMIS Ingredient Disclosure List (IDL) which is at or above the specified concentration limit.

**16. OTHER INFORMATION**

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information contained herein. It is the user's obligation to determine the conditions of safe use of this product.