

# Material Safety Data Sheet

SUPER EPOXY ALL, Part A

1/5/2011

## Section 1 - Chemical Product and Company Identification

**Product/Chemical Name:** Super Epoxy All, part A

**Chemical Formula:** Mixture

**CAS Number:** Mixture

**General Use:** Adhesive

**Manufacturer:** MAS Epoxies 2615 River Road #3A Cinnaminson, NJ 08077 856 303-9245

## Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS Number
Bisphenol A Epoxy Resin	25068-38-6
Epoxy Resin	Proprietary
Acrylated Polyols	3524-68-3
Modified Bisphenol A Epoxy Resin	Proprietary
Aliphatic Glycidyl Ethers	120547-52-6

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH IDLH
	TWA	STEL	TWA	STEL	TWA	STEL	
Bisphenol A Epoxy resin	None estab.	None estab.	None estab.	None estab.	None estab.	None estab.	None estab.
Acrylated Polyols	None estab.	none estab.	None estab.	none estab.	none estab.	none estab.	None estab.
Modified Bisphenol A Epoxy Resin	None estab.	None estab.	None estab.	None estab.	None estab.	None estab.	None estab.
Aliphatic Glycidyl Ethers	None estab.	none estab.	None estab.	none estab.	none estab.	none estab.	None estab.

## Section 3 - Hazards Identification

### Emergency Overview

**Potential Health Effects**

<b>H</b>	1
<b>F</b>	1
<b>R</b>	0
<b>PPE<sup>†B</sup></b>	
<sup>†</sup> Sec. 8	

**Acute Effects**

**Inhalation:** none

**Eye:** moderate eye irritation or sensitization.

**Skin:** moderate skin irritation or sensitization.

**Ingestion:** possible irritation.

**Carcinogenicity:** IARC, NTP, and OSHA do not list Super Epoxy All, Part A as a carcinogen.

**Medical Conditions Aggravated by Long-Term Exposure:** skin and eye conditions.

## Section 4 - First Aid Measures

**Inhalation:** Remove to fresh air.

**Eye Contact:** Flush with water, consult a physician.

**Skin Contact:** Wash with water, consult a physician.

**Ingestion:** Seek medical advice.

*After first aid, get appropriate in-plant, paramedic, or community medical support.*

## Section 5 - Fire-Fighting Measures

**Flash Point:** 480° F NFPA  
**Flash Point Method:** Closed Cup 1  
**Flammability Classification:** IIIB 1 0  
**Extinguishing Media:** Water spray, CO<sub>2</sub>, dry chemicals. —  
**Unusual Fire or Explosion Hazards:** None known.  
**Hazardous Combustion Products:** Carbon monoxide, carbon dioxide, aldehydes  
**Fire-Fighting Instructions:** Do not release runoff from fire control methods to sewers or waterways.  
**Fire-Fighting Equipment:** Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode.

## Section 6 - Accidental Release Measures

**Spill /Leak Procedures:** Dispose of in normal manner.  
**Disposal:** Incinerate in furnace or bury in landfill according to applicable regulations; not a hazardous waste.  
**Regulatory Requirements:** Follow applicable OSHA regulations (29 CFR 1910.120).

## Section 7 - Handling and Storage

**Ventilation:** Provide general or local exhaust ventilation systems if product is sanded or ground.  
**Respiratory Protection:** Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator.  
**Protective Clothing/Equipment:** Wear chemically protective gloves to prevent skin contact. Wear protective eyeglasses or chemical safety goggles  
**Comments:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.  
**Handling Precautions:** None  
**Storage Requirements:** Storage temperature: <90°F(32°C). Store in a cool, dry, well ventilated area.  
**Regulatory Requirements:** Follow applicable OSHA regulations (29 CFR 1910.120).

## Section 8 - Exposure Controls / Personal Protection

**Ventilation:** Provide general or local exhaust ventilation systems if product is sanded or ground.  
**Respiratory Protection:** Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator.  
**Protective Clothing/Equipment:** Wear chemically protective gloves to prevent skin contact. Wear protective eyeglasses or chemical safety goggles.

## Section 9 - Physical and Chemical Properties

<b>Physical State:</b> Paste <b>Appearance and Odor:</b> Blue, mild odor <b>Density:</b> 9.5 lbs./ gallon <b>Specific Gravity (H<sub>2</sub>O=1, at 4 °C):</b> 1.15	<b>Water Solubility:</b> Insoluble in water <b>Other Solubilities:</b> alcohols <b>Boiling Point:</b> No data <b>% Volatile:</b> < 1 %
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## Section 10 - Stability and Reactivity

**Stability:** Super Epoxy All, Part A is stable.  
**Polymerization:** Hazardous polymerization cannot occur.

## Section 11- Toxicological Information

### Toxicity Data:

Lethal Dose Information(mg/kg)		Oral (mg/kg)	Skin (mg/kg)	Inhale	LC5
Bisphenol A Epoxy Resin		>5000 rat	20000 rabbit	None estab.	None estab.
Acrylated Polyols		1500 rat	2000 rabbit	None estab.	None

Modified Bisphenol A Epoxy Resin		None estab.	None estab.	None estab.	None estab.
Aliphatic Glycidyl Ethers		19200.00 rat	>4500 rabbit	No data	No data

### Section 12 - Ecological Information

**Ecotoxicity:** No data

**Environmental Degradation:** No data

**Environmental Fate:** No data

**Soil Absorption/Mobility:** No data

### Section 13 - Disposal Considerations

**Disposal:** Incinerate in furnace or bury in landfill according to applicable regulations; not a hazardous waste. Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.

### Section 14 - Transport Information

#### DOT Transportation Data (49 CFR 172.101):

**Shipping Name:** Not regulated

**Packing Group:** Not determined

**Shipping Symbols:** Not applicable.

**Label:** Not required

**Hazard Class:** Not Hazardous

**Special Provisions (172.102):**

None

**ID No.:** Not applicable.

### Section 15 - Regulatory Information

#### EPA Regulations:

RCRA Hazardous Waste Number: Not listed (40 CFR 261.33)

RCRA Hazardous Waste Classification (40 CFR 261.): Not classified

CERCLA Hazardous Substance (40 CFR 302.4) unlisted specific per RCRA, Sec. 3001; CWA, Sec. 311 (b)(4); CWA, Sec. 307(a), CAA, Sec. 112

CERCLA Reportable Quantity (RQ), Not listed.

SARA 311/312 Codes: None.

SARA Toxic Chemical (40 CFR 372.65): Not listed.

SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed.

#### OSHA Regulations:

Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): Not listed

OSHA Specifically Regulated Substance, none

#### State Regulations:

### Section 16 - Other Information

**Storage Requirements:** Storage temperature: <90°F(32°C). Store in a cool, dry, well ventilated area.

**Personal Hygiene:** Wash thoroughly after handling, especially before eating, drinking, smoking, and using restroom facilities. Wash contaminated goggles, faceshield, and gloves.

**Prepared By:** MAS EPOXIES

#### Revision Notes:

**Notes:** A bulletin such as this cannot be expected to cover all possible individual situations. As the user has the responsibility to provide a safe workplace, all aspects of an individual operation should be examined to determine if, or where, precautions- in addition to those described herein- are required. Any health hazard and safety information herein should be passed on to your customers or employees as the case may be.

**Disclaimer:** 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 the use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Final determination of suitability of the chemical is the sole responsibility of the user. No representation or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or any other natures are made hereunder with respect to the information refers. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.

# Material Safety Data Sheet

**SUPER EPOXY ALL, Part B**

1/5/2011

## Section 1 - Chemical Product and Company Identification

**Product/Chemical Name:** Super Epoxy All, part B

**Chemical Formula:** Mixture

**CAS Number:** Mixture

**General Use:** Adhesive

**Manufacturer:** MAS Epoxies 2615 River Road #3A Cinnaminson, NJ 08077 856 303-9245

## Section 2 - Composition / Information on Ingredients

N-Aminoethyl piperazine	140-31-8	N/E
Amine Terminated Liquid Copolymer	68683-29-4	N/E
Nonyl Phenol	25154-52-3	N/E
Diisodecyl Phthalate	120547-52-6	N/E

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH IDLH
	TWA	STEL	TWA	STEL	TWA	STEL	
N-Aminoethyl piperazine	None estab.	None estab.	None estab.	None estab.	None estab.	None estab.	None estab.
Amine Terminated Liquid Copolymer	None estab.	none estab.	None estab.	none estab.	none estab.	None estab.	None estab.
Nonyl Phenol	None estab.	None estab.	None estab.	None estab.	None estab.	None estab.	None estab.
Diisodecyl Phthalate	5 mg/m <sup>3</sup>	none estab.	5 mg/m <sup>3</sup>	none estab.	none estab.	None estab.	None estab.

## Section 3 - Hazards Identification

### Emergency Overview

### Potential Health Effects

**Acute Effects**

**Inhalation:** none

**Eye:** moderate eye irritation or sensitization.

**Skin:** moderate skin irritation or sensitization.

**Ingestion:** possible irritation.

**Carcinogenicity:** IARC, NTP, and OSHA do not list Super Epoxy All, Part B as a carcinogen.

**Medical Conditions Aggravated by Long-Term Exposure:** skin and eye conditions.

**H I IS**

2

**F** 1

**R** 0

**PPE**<sup>†B</sup>

<sup>†</sup>Sec. 8

## Section 4 - First Aid Measures

**Inhalation:** Remove to fresh air.

**Eye Contact:** Flush with water, consult a physician.

**Skin Contact:** Wash with water, consult a physician.

**Ingestion:** Seek medical advice.

*After first aid, get appropriate in-plant, paramedic, or community medical support.*

### Section 5 - Fire-Fighting Measures

**Flash Point:** 480° F

**Flash Point Method:** Closed Cup

**Flammability Classification:** IIIB

**Extinguishing Media:** Water spray, CO<sub>2</sub>, dry chemicals.

**Unusual Fire or Explosion Hazards:** None known.

**Hazardous Combustion Products:** Carbon monoxide, carbon dioxide, aldehydes

**Fire-Fighting Instructions:** Do not release runoff from fire control methods to sewers or waterways.

**Fire-Fighting Equipment:** Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode.



### Section 6 - Accidental Release Measures

**Spill /Leak Procedures:** Dispose of in normal manner.

**Disposal:** Incinerate in furnace or bury in landfill according to applicable regulations; not a hazardous waste.

**Regulatory Requirements:** Follow applicable OSHA regulations (29 CFR 1910.120).

### Section 7 - Handling and Storage

**Ventilation:** Provide general or local exhaust ventilation systems if product is sanded or ground.

**Respiratory Protection:** Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator.

**Protective Clothing/Equipment:** Wear chemically protective gloves to prevent skin contact. Wear protective eyeglasses or chemical safety goggles

**Comments:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

**Handling Precautions:** None

**Storage Requirements:** Storage temperature: <90°F(32°C). Store in a cool, dry, well ventilated area.

**Regulatory Requirements:** Follow applicable OSHA regulations (29 CFR 1910.120).

### Section 8 - Exposure Controls / Personal Protection

**Ventilation:** Provide general or local exhaust ventilation systems if product is sanded or ground.

**Respiratory Protection:** Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator.

**Protective Clothing/Equipment:** Wear chemically protective gloves to prevent skin contact. Wear protective eyeglasses or chemical safety goggles.

### Section 9 - Physical and Chemical Properties

**Physical State:** Paste

**Appearance and Odor:** yellow, slight amine odor.

**Density:** 8.5 lbs./ gallon

**Specific Gravity (H<sub>2</sub>O=1, at 4 °C):** 1.02

**Water Solubility:** Insoluble in water

**Other Solubilities:** alcohols

**Boiling Point:** No data

**% Volatile:** < 1 %

### Section 10 - Stability and Reactivity

**Stability:** Super Epoxy All, Part B is stable.

**Polymerization:** Hazardous polymerization cannot occur.

### Section 11- Toxicological Information

#### Toxicity Data:

Lethal Dose Information(mg/kg)		Oral (mg/kg)	Skin (mg/kg)	Inhale	LC50
N-Aminoethyl piperzine		2150.00 rat	900. rabbit	No data	No data
Amine Terminated Liquid Copolymer		No data	No data	No data	No data

Nonyl Phenol		580.00 rat	2140. rabbit	No data	No data
Diisodecyl Phthalate		No data	No data	No data	No data
<b>Section 12 - Ecological Information</b>					
<b>Ecotoxicity:</b> No data			<b>Environmental Degradation:</b> No data		
<b>Environmental Fate:</b> No data			<b>Soil Absorption/Mobility:</b> No data		
<b>Section 13 - Disposal Considerations</b>					
<p><b>Disposal:</b> Incinerate in furnace or bury in landfill according to applicable regulations; not a hazardous waste. Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.</p>					
<b>Section 14 - Transport Information</b>					
<b>DOT Transportation Data (49 CFR 172.101):</b>					
<b>Shipping Name:</b> Not regulated		<b>Packing Group:</b> Not determined			
<b>Shipping Symbols:</b> Not applicable.		<b>Label:</b> Not required			
<b>Hazard Class:</b> Not Hazardous		<b>Special Provisions (172.102):</b> None			
<b>ID No.:</b> Not applicable.					
<b>Section 15 - Regulatory Information</b>					
<b>EPA Regulations:</b>			<b>SARA 311/312 Codes:</b> None.		
RCRA Hazardous Waste Number: Not listed (40 CFR 261.33)			SARA Toxic Chemical (40 CFR 372.65): Not listed.		
RCRA Hazardous Waste Classification (40 CFR 261.): Not classified			SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed.		
CERCLA Hazardous Substance (40 CFR 302.4) unlisted specific per RCRA, Sec. 3001; CWA, Sec. 311 (b)(4); CWA, Sec. 307(a), CAA, Sec. 112			<b>OSHA Regulations:</b>		
CERCLA Reportable Quantity (RQ), Not listed.			Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): Not listed		
			OSHA Specifically Regulated Substance, none		
			<b>State Regulations:</b>		
<b>Section 16 - Other Information</b>					
<b>Storage Requirements:</b> Storage temperature: <90°F(32°C). Store in a cool, dry, well ventilated area.					
<b>Personal Hygiene:</b> Wash thoroughly after handling, especially before eating, drinking, smoking, and using restroom facilities. Wash contaminated goggles, faceshield, and gloves.					
<b>Prepared By:</b> MAS EPOXIES					
<b>Revision Notes:</b>					
<p><b>Notes:</b> A bulletin such as this cannot be expected to cover all possible individual situations. As the user has the responsibility to provide a safe workplace, all aspects of an individual operation should be examined to determine if, or where, precautions- in addition to those described herein- are required. Any health hazard and safety information herein should be passed on to your customers or employees as the case may be.</p>					
<p><b>Disclaimer:</b> 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 the use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Final determination of suitability of the chemical is the sole responsibility of the user. No representation or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or any other natures are made hereunder with respect to the information refers. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.</p>					