



Safety Data Sheet

Section 1 – Chemical Product and Company Identification

1.1 Product identifier:

Product Name: GSP 1339-1 Part A
Product Code: 1339-1A
Effective Date: 6/1/2015
Revision Date: -

1.2 Recommended use and restrictions on use:

Product Use: Epoxy Resin
Restrictions: Not Available

1.3 Name, address, and telephone number of the chemical manufacturer:

GS Polymers, Inc.
3687-B Grapevine Street
Mira Loma, CA 91752
(951) 360-0607

1.4 Emergency telephone number:

24 Hr. Emergency CHEMTREC # 1-800-424-9300

Section 2 – Hazards Identification

2.1 Classification according to 29 CFR §1910.1200 (d):

Classification: Skin Irritation Category 2
Eye Irritation Category 2A
Skin Sensitization Category 1
Specific Target Organ Toxicity - Single Exposure Category 3 (Respiratory Tract)

2.2 Label elements according to 29 CFR §1910.1200 (f):**Hazard Symbols:**

Signal Words: Warning

Hazard Statements: Causes skin irritation.
Causes serious eye irritation.
May cause an allergic skin reaction.
May cause respiratory irritation.

Precautionary Statements:

Prevention: Wear protective gloves.

Wear eye protection/face protection.
 Use only outdoors or in a well-ventilated area.
 Avoid breathing mist, vapors or spray.
 Wash thoroughly after handling.
 Contaminated work clothing must not be allowed out of the workplace.

Response: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.

IF ON SKIN: Wash with plenty of soap and water.
 Take off contaminated clothing.
 Wash contaminated clothing before reuse.
 If skin irritation occurs: Get medical attention.

IF IN EYES: Rinse cautiously with water for several minutes.
 Remove contact lenses, if present and easy to do. Continue rinsing.
 If eye irritation persists: Get medical attention.

Storage: Store locked up.

Disposal: Dispose of contents in accordance with all local, regional, national and international regulations.

2.3 Hazards not otherwise classified in the classification process:

None known

2.4 Ingredients (Present at $\geq 1\%$) of unknown toxicity:

None

Section 3 – Composition/Information on Ingredients

3.1.1 Hazardous ingredient(s)

Chemical Name	CAS NO.	% (by wt.)
Epoxy Resin (Diglycidyl Ether of Bis-Phenol A)	25068-38-6	*
Neopentyl Glycol Diglycidyl Ether	17557-23-2	*

3.1.2 Non-hazardous ingredient(s)

Remaining components are non-hazardous and/or present at amounts below reportable limits.

3.2 Trade secrets (if applicable):

* Designates a specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

Section 4 – First Aid Measures

4.1 Description of first aid measures

Eyes: Immediately flush eyes for at least 15 minutes with running water. Hold eyelids apart to ensure rinsing of entire eye surface and lids with water. Remove contact lenses, if present and easy to do. If eye irritation persists, get medical advice/attention.

Skin: Remove contaminated clothing. Wipe off excess material from exposed area. Flush exposed area with water. Wash area with soap and water. Continue to rinse for at least 10 minutes. If

skin irritation or rash occurs, get medical attention. Do not reuse clothing until clean. Contaminated leather articles including shoes cannot be cleaned and should be discarded.

Inhalation: Move victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if victim feels unwell. If victim is unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as collar, tie belt or waistband.

Ingestion: Wash mouth out with water. If victim is conscious, give small quantities of water to drink. Never give anything by mouth to an unconscious person. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, keep victim's head low so that vomit does not enter the lungs. Call Poison Center or get medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed:

No data available

4.3 Indication of any immediate medical attention and special treatment needed:

No data available

Section 5 – Fire-Fighting Measures

5.1 Suitable extinguishing media:

Use dry chemical, CO₂, water spray (fog) or foam.

5.2 Specific hazards arising from the product:

If heated, a pressure increase will occur and the container may burst.

5.3 Special protective equipment and precautions for fire-fighters:

Use standard fire-fighting procedures and consider the hazards of other involved materials. Move container from fire area if it can be done without risk. Containers exposed to intense heat from fires should be cooled with water to prevent vapor pressure buildup which could result in container rupture.

Section 6 – Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures:

No action should be taken involving any personal risk or by personnel without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.2 Methods and materials for containment and cleaning up:

Small spill: Stop leak if it is possible to do without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of waste with a licensed waste disposal contractor.

Large spill: Stop leak if it is possible to do without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Section 7 – Handling and Storage

7.1 Precautions for safe handling:

Put on appropriate personal protective equipment (see section 8 of SDS). Individuals with a history of skin sensitization should not be employed in any process in which this product is used. Do not get in eyes, on skin or on clothing. Do not ingest. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material. Keep container tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities:

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10 of SDS) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8 – Exposure Controls/Personal Protection

8.1 Exposure Limits:

OSHA PEL Chemical Name	CAS NO.	OSHA (ACGIH) TLV
Epoxy Resin (Diglycidyl Ether of Bis-Phenol A)	25068-38-6	None
Neopentyl Glycol Diglycidyl Ether	17557-23-2	None

8.2 Engineering Controls:

Ventilation: Good general mechanical ventilation and local exhaust.

8.3 Personal Protective Equipment:

Eye Protection: Wear splash resistant safety goggles.
Skin Protection: Wear impervious gloves and other clothing to prevent contact.
Respirators: Organic vapor respirator if adequate ventilation is not present. (National Institute for Occupational Safety and Health (NIOSH) approved for organic vapors recommended.)
Hygienic Practices: Wash hands before eating, smoking or using toilet facilities. Do not smoke in any chemical handling and storage areas. Food or beverages should not be consumed near where this product is stored. Remove and wash contaminated clothing before reuse. Ensure that eyewash stations and safety showers are close to the workstation location.

Section 9 – Physical and Chemical Properties

Appearance	Viscous Liquid
Color	Clear
Odor	Slight, Ether-like
Odor Threshold	Not Established
pH	Not Established
Melting Point/Freezing Point	Not Established
Boiling Point	Not Established

Flash Point	>200°F (>93.33°C)
Evaporation Rate	Not Established
Upper/Lower flammability or explosive limits	Not Established
Vapor Pressure	Not Established
Vapor Density	Not Established
Relative Density	Not Established
Specific Gravity	9.70
Bulk Density (lbs./gal)	1.16
Solubility	Slightly Soluble
Partition Coefficient; n-octanol/water	Not Established
Auto-ignition temperature	Not Established
Viscosity	3200 cps

Section 10 – Stability and Reactivity

10.1 Reactivity:	Stable under normal conditions.
10.2 Chemical Stability:	Product is stable.
10.3 Possibility of Hazardous Reactions:	Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to Avoid:	Extremes of temperature and direct sunlight.
10.5 Incompatible Materials:	Reactive or incompatible with the following materials: aliphatic amines, strong oxidizing agents, strong acids.
10.6 Hazardous Decomposition Products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
10.7 Other Hazards:	Reacts with considerable heat release with some curing agents.

Section 11 – Toxicological Information

11.1 Information on the likely routes of exposure:	Not Available
11.2 Symptoms related to the physical, chemical and toxicological characteristics:	
Eye Contact:	Pain or irritation, watering, redness
Inhalation:	Respiratory tract irritation, coughing
Skin Contact:	Irritation, redness
Ingestion:	No specific data
11.3 Delayed and immediate effects and also chronic effects from short and long term exposure:	
Short term exposure:	
Eye Contact:	Causes serious eye irritation.
Inhalation:	May cause respiratory irritation.
Skin Contact:	Causes skin irritation. May cause an allergic skin reaction.
Ingestion:	Irritating to mouth, throat and stomach.
Long term exposure:	Not Available
Chronic effects:	Not Available

11.4 Numerical Measure of toxicity (Acute toxicity estimates)**Acute Toxicity Data:**

Epoxy Resin (Diglycidyl Ether of Bis-Phenol A)

LD50 Oral Rat 11,400 mg/kg

LD50 Dermal Rat 2,000 mg/kg

Neopentyl glycol diglycidyl Ether

LD50 Oral Rat 4,500 mg/kg

LD50 Dermal Rat > 2,000 mg/kg

11.5 Carcinogenicity:

Not Available

Section 12 – Ecological Information

12.1 Ecotoxicity: Not Available**12.2 Persistence and Degradability:** Not Available**12.3 Bioaccumulative Potential:** Not Available**12.4 Mobility in Soil:** Not Available**12.5 Other Adverse Effects:** Not Available

Section 13 – Disposal Considerations

13.1 Information on waste and methods of disposal

Dispose of contents in accordance with all local, regional, national and international regulations.

Section 14 – Transportation Information

14.1 Transportation information**Land Transportation (DOT):** Not Regulated in Non-Bulk Containers**Sea Transportation (IMDG):** Not Regulated in Non-Bulk Containers**Air Transportation (IATA):** Not Regulated in Non-Bulk Containers**14.2 Transportation in bulk according to Annex II of Marpol 73/78 and the IBC Code:**

This product is not intended to be transported in bulk containers.

14.3 Special precautions for transportation:

No data available

Section 15 – Regulatory Information

15.1 Safety, health and environmental regulations specific for the product in question.

This regulatory information is not intended to be comprehensive. Other regulations may apply to this material. To determine applicability or effects of any law or regulation with respect to the product, user should seek legal advice or consult with the appropriate government agency. GS Polymers, Inc. does not undertake to furnish advice on regulatory matters.

United States Federal Regulations:**US EPA CERCLA Hazardous Substances (40 CFR 302):**

Not Evaluated

SARA Section 311/312 Hazard Categories:

Not Evaluated

US EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III

Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A):

Not Evaluated

US EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III

Section 313 Toxic Chemicals (40 CFR 372.65) – Supplier Notification Required:

None

State Right-To-Know Information:

For details of your regulatory requirements you should contact the appropriate agency in your state.

Massachusetts, New Jersey or Pennsylvania Right to Know Substance Lists:

Not Evaluated

California Prop. 65: This product contains the chemicals listed below, which the State of California has found to cause cancer, birth defects or reproductive harm.

Oxirane, 2-(phenoxymethyl)- < 1% (cancer)

Oxirane, 2-(chloromethyl)- < 1% (cancer; reproductive)

Section 16 – Other Information

16.1 Date of preparation or last revision:

Company: GS Polymers, Inc.
Rev Date: 6/1/2015
Rev By: BN

Reason for Change:

This revision updates SDS formatting according to OSHA Hazard Communications Standard (HCS) promulgated on March 20, 2012.

16.2 Additional information:**HMIS Ratings:**

Health: 2*
Flammability: 1
Physical Hazard: 0

The information contained herein is believed to be accurate. It is provided independently of any sale of the product for purpose of hazard communication as part of GS Polymers' product safety program. It is not intended to constitute performance information concerning the product. No express warranty, or implied warranty of merchantability or fitness for a particular purpose is made with respect to the product or the information contained herein.

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Safety Data Sheet

Section 1 – Chemical Product and Company Identification

1.1 Product identifier:

Product Name: GSP 1339-1 Part B
Product Code: 1339-1B
Effective Date: 6/1/2015
Revision Date: -

1.2 Recommended use and restrictions on use:

Product Use: Epoxy Curative
Restrictions: Not Available

1.3 Name, address, and telephone number of the chemical manufacturer:

GS Polymers, Inc.
3687-B Grapevine Street
Mira Loma, CA 91752
(951) 360-0607

1.4 Emergency telephone number:

24 Hr. Emergency CHEMTREC # 1-800-424-9300

Section 2 – Hazards Identification

2.1 Classification according to 29 CFR §1910.1200 (d):

Classification: Acute toxicity (dermal) Category 4
Skin corrosion/irritation Category 1B
Serious eye damage/eye irritation Category 2A
Respiratory sensitization Category 1
Skin sensitization Category 1
Toxic to reproduction Category 2 (fertility; unborn child)
Specific target organ toxicity (single exposure) Category 1 (eyes)
Specific target organ toxicity (single exposure) Category 3 (respiratory tract)
Specific target organ toxicity (repeat exposure) Category 1 (skin, respiratory tract, kidneys, liver)

2.2 Label elements according to 29 CFR §1910.1200 (f):**Hazard Symbols:**

Signal Words: Danger

Hazard Statements: Causes severe skin burns and eye damage.

Harmful if in contact with skin
 May cause an allergic skin reaction.
 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 Suspected of damaging fertility
 Suspected of damaging the unborn child.
 Causes damage to organs: (eyes)
 May cause respiratory irritation.
 Causes damage to organs through prolonged or repeated exposure: (skin, respiratory tract, kidneys, liver)

Precautionary Statements:

Prevention: Obtain special instructions before use.
 Do not handle until all safety precautions have been read and understood.
 Avoid breathing mist/vapors/spray.
 Wash exposed areas thoroughly after handling.
 Wear protective gloves/protective clothing/eye protection/face protection.
 Wear respiratory protection.
 Do not eat, drink or smoke when using this product.
 Use only outdoors or in a well ventilated area.

Response: If exposed or concerned: Get medical attention.
 Get medical advice/attention if you feel unwell.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 If eye irritation persists: Get medical advice/attention.
 Immediately call a POISON CENTER or doctor/physician.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.
 Wash with plenty of soap and water.
 Take off contaminated clothing and wash before reuse.
 If skin irritation or rash occurs: Get medical advice/attention.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 Immediately call a POISON CENTER or doctor/physician.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Storage: Store locked up.
 Store in a well-ventilated place. Keep container tightly closed.

Disposal: Dispose of contents in accordance with all local, regional, national and international regulations.

2.3 Hazards not otherwise classified in the classification process:

None known

2.4 Ingredients (Present at $\geq 1\%$) of unknown toxicity:

None

 Section 3 – Composition/Information on Ingredients

3.1.1 Hazardous ingredients(s)

Chemical Name	CAS NO.	% (by wt.)
Fatty acids, C18-unsatd., dimers, - reaction products with polyethylenepolyamines	68410-23-1	*
Triethylenetetramine	112-24-3	*
Tetraethylenepentamine	112-57-2	*

3.1.2 Non-hazardous ingredient(s)

Remaining components are non-hazardous and/or present at amounts below reportable limits.

3.2 Trade secrets (if applicable):

* Designates a specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

 Section 4 – First Aid Measures

4.1 Description of first aid measures

Eyes: Immediately flush eyes for at least 15 minutes with running water. Hold eyelids apart to ensure rinsing of entire eye surface and lids with water. Remove contact lenses, if present and easy to do. If eye irritation persists, get medical advice/attention.

Skin: Remove contaminated clothing. Wipe off excess material from exposed area. Flush exposed area with water. Wash area with soap and water. Continue to rinse for at least 10 minutes. If skin irritation or rash occurs, get medical attention. Do not reuse clothing until clean. Contaminated leather articles including shoes cannot be cleaned and should be discarded.

Inhalation: Move victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if victim feels unwell. If victim is unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as collar, tie belt or waistband.

Ingestion: Wash mouth out with water. If victim is conscious, give small quantities of water to drink. Never give anything by mouth to an unconscious person. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, keep victim's head low so that vomit does not enter the lungs. Call Poison Center or get medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed:

Eye disease. Skin disorders and allergies.

4.3 Indication of any immediate medical attention and special treatment needed:

No data available

 Section 5 – Fire-Fighting Measures

5.1 Suitable extinguishing media:

Use dry chemical, CO₂, water spray (fog) or foam.

5.2 Specific hazards arising from the product:

If heated, a pressure increase will occur and the container may burst.

5.3 Special protective equipment and precautions for fire-fighters:

Use standard fire-fighting procedures and consider the hazards of other involved materials. Move container from fire area if it can be done without risk. Containers exposed to intense heat from fires should be cooled with water to prevent vapor pressure buildup which could result in container rupture.

Section 6 – Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures:

No action should be taken involving any personal risk or by personnel without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. Prevent spilled material and runoff from contacting soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.2 Methods and materials for containment and cleaning up:

Pick up spilled material and containerize for recovery or disposal. Using adequate protective equipment, add dry material to absorb spill (if large spill, first dike to contain). Dispose of waste with a licensed waste disposal contractor.

Section 7 – Handling and Storage

7.1 Precautions for safe handling:

Put on appropriate personal protective equipment (see section 8 of SDS). Individuals with a history of skin sensitization should not be employed in any process in which this product is used. Do not get in eyes, on skin or on clothing. Do not ingest. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material. Keep container tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities:

Protect from temperatures below: Not Available

Protect from temperatures above: Not Available

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10 of SDS) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8 – Exposure Controls/Personal Protection

8.1 Exposure Limits:

OSHA PEL Chemical Name	CAS NO.	OSHA (ACGIH) TLV
Fatty acids, C18-unsatd., dimers, - reaction products with polyethylenepolyamines	68410-23-1	None
Triethylenetetramine	112-24-3	None
Tetraethylenepentamine	112-57-2	5 mg/m3 (TWA):WEEL

8.2 Engineering Controls:

Ventilation: Good general mechanical ventilation and local exhaust.

8.3 Personal Protective Equipment:

Eye Protection: Wear splash resistant safety goggles.

Skin Protection: Wear impervious gloves and other clothing to prevent contact.

Respirators: Organic vapor respirator if adequate ventilation is not present. (National Institute for Occupational Safety and Health (NIOSH) approved for organic vapors recommended.)

Hygienic Practices: Wash hands before eating, smoking or using toilet facilities. Do not smoke in any chemical handling and storage areas. Food or beverages should not be consumed near where this product is stored. Remove and wash contaminated clothing before reuse. Ensure that eyewash stations and safety showers are close to the workstation location.

Section 9 – Physical and Chemical Properties

Appearance	Liquid
Color	Amber
Odor	Ammonical
Odor Threshold	Not Established
pH	Not Established
Melting Point/Freezing Point	Not Established
Boiling Point	Not Established
Flash Point	>230°F (>110°C)
Evaporation Rate	Not Established
Upper/Lower flammability or explosive limits	Not Established
Vapor Pressure	Not Established
Vapor Density	Not Established
Relative Density	Not Established
Specific Gravity	0.98
Bulk Density (lbs./gal)	8.20
Solubility	Slightly Soluble
Partition Coefficient; n-octanol/water	Not Established
Auto-ignition temperature	Not Established
Viscosity	200 cps.

Section 10 – Stability and Reactivity

10.1 Reactivity: Stable under normal conditions.

10.2 Chemical Stability: Product is stable.

10.3 Possibility of Hazardous Reactions: Reacts with oxidizing agents, strong acids, organic acids, sodium hypochlorite. Reaction with peroxides may result in violent decomposition of peroxide possibly creating an explosion. Product slowly corrodes copper, aluminum, zinc and galvanized surfaces.

10.4 Conditions to Avoid: Extremes of temperature and direct sunlight.

- 10.5 Incompatible Materials:** Nitrosamines (carcinogen) may be formed when the product comes in contact with nitrous acid, nitrites or atmospheres with high nitrous oxide concentration.
- 10.6 Hazardous Decomposition Products:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.
- 10.7 Other Hazards:** Reacts with considerable heat release with some epoxy resins.

Section 11 – Toxicological Information

- 11.1 Information on the likely routes of exposure:**
Inhalation, skin contact.
- 11.2 Symptoms related to the physical, chemical and toxicological characteristics:**
No data available
- 11.3 Delayed and immediate effects and also chronic effects from short and long term exposure:**
- Short term exposure:**
- Eye Contact:** Severe eye irritant.
Inhalation: Not Available
Skin Contact: Toxic in contact with skin. Severe skin irritant. May cause sensitization by skin contact.
Ingestion: Not Available.
- Long term exposure:** Not Available
Chronic effects: Not Available
- 11.4 Numerical Measure of toxicity (Acute toxicity estimates)**
- Acute Toxicity Data:**
Tetraethylenepentamine
LD50 Oral Rat > 2,140 mg/kg
LD50 Dermal Rat > 660 mg/kg
LC50 Inhalation Not Available
- 11.5 Carcinogenicity:**
Not Available

Section 12 – Ecological Information

- 12.1 Ecotoxicity:** Not Available
- 12.2 Persistence and Degradability:** Not Available
- 12.3 Bioaccumulative Potential:** Not Available
- 12.4 Mobility in Soil:** Not Available
- 12.5 Other Adverse Effects:** Not Available

Section 13 – Disposal Considerations

13.1 Information on waste and methods of disposal

Dispose of contents in accordance with all local, regional, national and international regulations.

Section 14 – Transportation Information

14.1 Transportation information**Land Transportation (DOT):**

Proper Shipping Name: Tetraethylenepentamine mixture
Hazard Class: 8
Identification Number: UN 2320
Packing group: III
Marine Pollutant: No

Sea Transportation (IMDG):

Proper Shipping Name: Tetraethylenepentamine mixture
Hazard Class: 8
Identification Number: UN 2320
Packing group: III
Marine Pollutant: Yes

Air Transportation (IATA):

Proper Shipping Name: Tetraethylenepentamine mixture
Hazard Class: 8
Identification Number: UN 2320
Packing group: III
Marine Pollutant: Yes

14.2 Transportation in bulk according to Annex II of Marpol 73/78 and the IBC Code:

This product is not intended to be transported in bulk containers.

14.3 Special precautions for transportation:

No data available

Section 15 – Regulatory Information

15.1 Safety, health and environmental regulations specific for the product in question.

This regulatory information is not intended to be comprehensive. Other regulations may apply to this material. To determine applicability or effects of any law or regulation with respect to the product, user should seek legal advice or consult with the appropriate government agency. GS Polymers, Inc. does not undertake to furnish advice on regulatory matters.

United States Federal Regulations:**US EPA CERCLA Hazardous Substances (40 CFR 302):**

Not Evaluated

SARA Section 311/312 Hazard Categories:

Not Evaluated

US EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III

Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A):

Not Evaluated

US EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III

Section 313 Toxic Chemicals (40 CFR 372.65) – Supplier Notification Required:

None

State Right-To-Know Information:

For details of your regulatory requirements you should contact the appropriate agency in your state.

Massachusetts, New Jersey or Pennsylvania Right to Know Substance Lists:

Not Evaluated

California Prop. 65: This product contains the chemicals listed below, which the State of California has found to cause cancer, birth defects or reproductive harm.

None

Section 16 – Other Information

16.1 Date of preparation or last revision:

Company: GS Polymers, Inc.

Rev Date: 6/1/2015

Rev By: BN

Reason for Change:

This revision updates SDS formatting according to OSHA Hazard Communications Standard (HCS) promulgated on March 20, 2012.

16.2 Additional information:

HMIS Ratings:

Health: 3

Flammability: 1

Physical Hazard: 0

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To determine applicability or effects of any law or regulation with respect to the product, user should seek legal advice or consult with the appropriate government agency. GS Polymers, Inc. does not undertake to furnish advice on such matters.