



Safety Data Sheet

Section 1 – Chemical Product and Company Identification

1.1 Product identifier:

Product Name: GSP 1555 Part A
Product Code: 1555A
Effective Date: 7/27/2015
Revision Date: -

1.2 Recommended use and restrictions on use:

Product Use: Component of polyurethane polymer system
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 (Inhalation) - Category 2
Skin irritation - Category 2
Eye irritation - Category 2A
Respiratory sensitization - Category 1
Skin sensitization - Category 1
Specific target organ toxicity - single exposure - Category 3 (Respiratory System)

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

Signal Words: Danger

Hazard Statements: Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.
Fatal if inhaled.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause respiratory irritation.

Precautionary Statements:

- Prevention:** Do not breathe dust/fume/gas/mist/vapors/spray.
Use only outdoors or in a well-ventilated area.
Wear respiratory protection.
Wear protective gloves.
Wear eye protection/face protection.
Wash exposed areas 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.
Immediately call a poison center/doctor.
- If on skin: Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
- 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.
- Storage:** Store in a well-ventilated place. Keep container tightly closed.
Store locked up.
- Disposal:** Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Hazards not otherwise classified in the classification process:

Not Available

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.)
Polyisocyanate based on Methylenedicyclohexyl diisocyanate	*	45.0 – 55.0 %
4,4'-Methylenedicyclohexyl diisocyanate	5124-30-1	45.0 – 55.0 %

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 with water; remove contact lenses, if present, after the first 5 minutes, then continue flushing eyes for at least 15 minutes. Obtain medical attention without delay, preferably from an ophthalmologist. Suitable emergency eye wash facility should be immediately available.
- Skin:** Remove material from skin immediately by washing with soap and plenty of water. Remove contaminated clothing and shoes while washing. Seek medical attention if irritation persists. Wash clothing before reuse. Discard items which cannot be decontaminated, including leather articles such as shoes, belts and watchbands. Suitable emergency safety shower facility should be available in work area.
- Inhalation:** Move victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration; if by mouth to mouth use rescuer protection (pocket mask, etc). If breathing is difficult, oxygen should be administered by qualified personnel. 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:** If swallowed, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.

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

Sensitizing effects
Irritant effects

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

After accidental absorption in the body, the pathology and clinical findings are dependent on the kinetics of the noxious substance including the quantity of substance absorbed, the absorption time, and the effectiveness of early elimination measures (e.g. first aid, excretion or metabolism).

Continue with first aid measures. Depending on the pathology and clinical findings, patient monitoring and symptomatic treatment are necessary.

Section 5 – Fire-Fighting Measures

5.1 Suitable extinguishing media:

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

5.2 Specific hazards arising from the product:

In case of fire cool endangered containers with water.
Hazardous fumes in fires, specific to the product: nitrogen oxides (NO_x), isocyanate-containing vapors.
Under certain fire conditions, traces of other toxic products may occur.

5.3 Special protective equipment and precautions for fire-fighters:

As in any fire, wear self-contained, pressure demand breathing apparatus (MSHA-NIOSH approved or equivalent) and full protective gear. Containers can build up pressure if exposed to heat (fire). Cool with water spray. Evacuate area and fight fire from a safe distance. Stay upwind and deny entry until vapors have completely evaporated. In case of fire: wear a self-contained respiratory apparatus.

 Section 6 – Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures:

Wear personal protective equipment; see section 8. Ensure adequate ventilation. Do not inhale vapors / aerosols. Prevent release into the environment. Obey relevant local, state, provincial and federal laws and regulations. Do not contaminate any lakes, streams, ponds, groundwater or soil.

6.2 Methods and materials for containment and cleaning up:

Recover material mechanically with a suitable absorbent material (sand, absorbent for liquids, universal absorbent) and collect in a suitable (non-reactive) container.

 Section 7 – Handling and Storage

7.1 Precautions for safe handling:

Open containers with caution. Avoid contact with skin and eyes. Protect from moisture. If possible, use material transfer/filling, metering and blending plants that are closed, or provide local suction devices.

7.2 Conditions for safe storage, including any incompatibilities:

Protect from temperatures above 95 °F (35 °C). Keep containers tightly closed in a cool, well-ventilated place.

 Section 8 – Exposure Controls/Personal Protection

8.1 Exposure Limits:

Chemical Name	CAS NO.	OSHA (ACGIH) TLV
4,4'-Methylenedicyclohexyl diisocyanate	5124-30-1	0.005 ppm TWA

8.2 Engineering Controls:

If possible, use material transfer/filling, metering and blending plants that are closed, or provide for local suction devices. Otherwise, use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations. Provide general and/or local exhaust ventilation to maintain airborne levels below the exposure guidelines. Exhaust systems should be designed to move the air away from the source of vapor/aerosol generation and people working at this point. The odor and irritancy of this material are inadequate to warn of excessive exposure.

8.3 Personal Protective Equipment:

Eye Protection: Use chemical goggles.

Skin Protection: **Hand protection:** Gloves: nitrile rubber, material thickness 0.4 mm, break through time 480 min. The above mentioned hand protection is based on knowledge of the chemistry and anticipated uses of this product but it may not be appropriate for all workplaces. A hazard assessment should be conducted prior to use to ensure suitability of gloves for specific work environments and processes prior to use. Use impermeable gloves. Personal protective equipment that provides a barrier to prevent dermal exposure to this substance is required.

Other protection: Suitable protective clothing. Safety shower and eye wash fountain should be readily available. To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132) be conducted before using this product.

Respirators: In case of dusts/vapors/aerosols being formed or if the limit values such as TLV are exceeded: use respiratory equipment with suitable filter (combined filter A2-P2) or wear a self-contained respiratory apparatus. A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable federal/provincial requirements must be followed whenever workplace conditions warrant respirator use. NIOSH's "Respirator Decision Logic" may be useful in determining the suitability of various types of respirators.

Hygienic Practices: Do not inhale vapors or aerosols. Avoid contact with skin and eyes. Immediately remove all contaminated clothing. Use disposable clothing if appropriate. Smoking, eating and drinking should be prohibited in the application area.

Section 9 – Physical and Chemical Properties

Appearance	Liquid
Color	Clear
Odor	Characteristic
Odor Threshold	0.4 ppm (Odor is inadequate warning of excessive exposure)
pH	Not Established
Melting Point/Freezing Point	Not Established
Boiling Point	Not Established
Flash Point	>392°F (>200°C)
Evaporation Rate	Not Established
Upper/Lower flammability or explosive limits	Not Established
Vapor Pressure	0.0000122 hPa at 20°C
Vapor Density	Not Established
Relative Density	
Specific Gravity	1.05
Bulk Density (lbs./gal)	8.77
Solubility	Insoluble, Reacts with Water
Partition Coefficient; n-octanol/water	Not Established
Auto-ignition temperature	Not Established
Viscosity	~1300 cps

Note: Physical data presented above are typical values and should not be construed as a specification.

Section 10 – Stability and Reactivity

10.1 Reactivity:

Under normal conditions: stable.

10.2 Chemical Stability:

Stable under recommended storage conditions.

10.3 Possibility of Hazardous Reactions:

Reacts violently with amines (exothermic). Exothermic reaction with acids, alkalis, powerful oxidants, alcohols. Reacts with water, whereby carbon dioxide is produced; pressure may build up in closed containers (danger of bursting).

10.4 Conditions to Avoid:

Extremes of temperature and direct sunlight.

10.5 Incompatible Materials:

Amines, acids, alkalis, strong oxidants, alcohols

10.6 Hazardous Decomposition Products:

Decomposition products on thermal decomposition: isocyanate-containing vapors, carbon monoxide, carbon dioxide (CO₂), smoke.

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:**Skin corrosion/irritation**

Severe skin irritation

Serious eye damage/eye irritation

Irritating to eyes.

Sensitization

May cause sensitization by skin contact.

May cause sensitization by inhalation.

Specific Target Organ Systemic Toxicity (Single Exposure)

The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation.

Specific Target Organ Systemic Toxicity (Repeated Exposure)

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Carcinogenicity

The carcinogenic effect of the substance has not yet been determined in a long-term animal study. The substance is not genotoxic. Generally speaking, carcinogenic substances are genotoxic. Therefore, this type of carcinogenic effect can be considered improbable for this substance.

Toxicity to reproduction

No evidence for damaging effects on fertility.

Teratogenicity

No evidence of teratogenic properties

Mutagenicity

Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Aspiration Hazard

No aspiration toxicity classification. Based on available data, the classification criteria are not met.

11.3 Delayed and immediate effects and also chronic effects from short and long term exposure:**Inhalation**

Highly toxic by inhalation of aerosol or mist. If misted, causes irritation of mucous membranes, nose, eyes, and throat. May cause coughing and difficulty in breathing. Extremely high vapor concentrations may cause lung damage. May cause lung sensitization, an allergic reaction, which becomes evident on re-exposure to this material.

Skin

Severely irritating. Prolonged or repeated skin contact with liquid may cause defatting resulting in drying, redness and possible blistering. Causes skin sensitization, an allergic reaction, which becomes evident on re-exposure to this material.

Eyes

Irritating. May cause tearing, reddening and/or swelling. May cause slight corneal injury.

Ingestion

Aspiration hazard if swallowed - can enter lungs and cause damage. May cause irritation to the mucous membranes of the mouth, throat, and digestive tract.

Chronic exposure

Hot processing of this material releases isocyanate containing vapors. Isocyanates are known to be toxic by inhalation and can cause skin and respiratory sensitization.

Target organs

Repeated or prolonged inhalation of a component of this product may cause lung effects.

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

Data for 4,4'-Methylenedicyclohexyl diisocyanate

LD50 Oral Rat: 18200 mg/kg

LD50 Dermal Rat: > 7000 mg/kg

LC50 Inhalation: Rat: 0.33 mg/l 4 h / dust/mist

Repeated dose toxicity:

Data for 4,4'-Methylenedicyclohexyl diisocyanate

Inhalation Rat/90-day: 0.003 mg/l NOAEL Method: OECD TG 413

Only in the upper respiratory tract local irritant effects were observed.

11.5 Carcinogenicity:

Contains no carcinogenic substances as defined by NTP, IARC and/or OSHA.

Section 12 – Ecological Information

12.1 Ecotoxicity:**Toxicity to fish**

LC50 Brachydanio rerio: > 8.1 mg/l / 96 h

Method: Directive 92/69/EEC C.1

No toxicity at the limit of solubility

Toxicity in aquatic invertebrates

EC50 Daphnia magna: > 8.3 mg/l / 48 h

Method: Directive 92/69/EEC C.2

No toxicity at the limit of solubility

Toxicity to algae

ErC50 Desmodesmus subspicatus (green algae): > 5.0 mg/l / 72 h

Method: (Directive 92/69/EEC part C.3.)

No toxicity at the limit of solubility

EC10 Desmodesmus subspicatus (green algae): 1.2 mg/l

Method: (Directive 92/69/EEC part C.3.)

Toxicity to bacteria

EC50 Pseudomonas putida: 191 mg/l / 3 h

12.2 Persistence and Degradability:

Biodegradability
Exposure time: 28 d
Result: 0 % Not readily biodegradable.
Method: Directive 92/69/EEC C.4-D

12.3 Bioaccumulative Potential:

Not expected due to rapid hydrolysis.

12.4 Mobility in Soil:

The soil mobility of the substance is significantly affected by adsorption to soil components. The effects of light decompose the substance rapidly in the atmosphere.

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: Other regulated substances, liquid, n.o.s.(Dicyclohexylmethane diisocyanate)
Hazard Class: 9
Identification Number: NA 3082
Packing group: III

Sea Transportation (IMDG):

Not classified as hazardous sea cargo (IMDG code)

Air Transportation (IATA):

Proper Shipping Name: Aviation regulated liquid, n.o.s.(Dicyclohexylmethane diisocyanate)
Hazard Class: 9
Identification Number: UN 3334
Packing group: III

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:

Not inhalation toxic pursuant to the dangerous goods regulations

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:

Acute Health Hazard

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:

4,4'-Methylenedicyclohexyl diisocyanate CAS No. 5124-30-1

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: 7/27/2015
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: 1

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 1555 Part B
Product Code: 1555B
Effective Date: 7/31/2015
Revision Date: -

1.2 Recommended use and restrictions on use:

Product Use: Component of polyurethane polymer system
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: Toxic to reproduction - Category 2

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

Signal Words: Warning

Hazard Statements: Suspected of damaging fertility or the unborn child.

Precautionary Statements:

Prevention: Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wear protective gloves/protective clothing/eye protection/face protection.

Response: If exposed or concerned: Get medical advice/attention.

- Storage:** Store locked up.
- Disposal:** Dispose of contents/container in accordance with local, regional, national and international regulations.

2.3 Hazards not otherwise classified in the classification process:

None known

2.4 Ingredients (Present at ≥ 1%) of unknown toxicity:

None

Section 3 – Composition/Information on Ingredients

3.1.1 Hazardous ingredients(s)

Chemical Name	CAS NO.	% (by wt.)
Dimethyltin dineodecanoate	68928-76-7	< 1.0 %

3.1.2 Non-hazardous ingredient(s)

Chemical Name	CAS NO.	% (by wt.)
Polyether polyol	*	90.0 – 100.0 %

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 15 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 irritation

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. 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**

Dimethyltin dineodecanoate

68928-76-7

ACGIH TWA: 0.1 mg/m³**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	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	
Specific Gravity	1.08
Bulk Density (lbs./gal)	9.00
Solubility	Slightly Soluble
Partition Coefficient; n-octanol/water	Not Established
Auto-ignition temperature	Not Established
Viscosity	9500 cps

Note: Physical data presented above are typical values and should not be construed as a specification.

 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:** Strong oxidizers
- 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 heat release with some diisocyanates.

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:

Acute Toxicity:	Not classified
Skin Corrosion/Irritation:	Not classified
Serious Eye Damage/Irritation:	Not classified
Respiratory or Skin Sensitization:	Not classified
Germ Cell Mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive Toxicity:	Suspected of damaging fertility or the unborn child.
Specific Target Organ Toxicity (Single Exposure):	Not classified
Specific Target Organ Toxicity (Repeated Exposure):	Not classified
Aspiration Hazard:	Not classified

11.3 Delayed and immediate effects and also chronic effects from short and long term exposure:

Short term exposure:

Eye Contact:	May cause eye irritation.
Skin Contact:	May cause skin irritation from prolonged contact in sensitive individuals.
Inhalation:	Not Available
Ingestion:	May cause gastrointestinal disturbances if swallowed..

Long term exposure:	Not Available
Chronic effects:	Suspected of damaging fertility. Suspected of damaging the unborn child.

11.4 Numerical Measure of toxicity (Acute toxicity estimates)

Toxicity data for Product:

ATE Oral (Product): 2291 mg/kg

Toxicity data for Dimethyltin Dineodecanoate:

LD50 Oral: 500 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.

Methanol 1-5 ppm (reproduction)

Section 16 – Other Information

16.1 Date of preparation or last revision:

Company: GS Polymers, Inc.
Rev Date: 7/31/2015
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: 1*
Flammability: 1
Physical Hazard: 0

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