

# SAFETY DATA SHEET

## 1. Identification

**Product identifier:** SILBIONE LSR 4310 A

### Recommended use and restriction on use

**Recommended use:** Medical / paramedical.

**Restrictions on use:** None known.

### Manufacturer/Importer/Supplier/Distributor Information

#### Manufacturer

**Company Name:** Bluestar Silicones USA Corp.  
**Address:** 7979 Park Place Road  
29745 York, SC  
**Telephone:** +1 (803) 792-3000  
**Fax:** +1 (803) 684-7202  
**Contact Person:**  
**e-mail:** product.stewardship@bluestarsilicones.com

#### Supplier

**Company Name:** Bluestar Silicones USA Corp.  
**Address:** Two Tower Blvd, Suite 1601  
08816-1100 East Brunswick, NJ  
**Telephone:** +1 (732) 227-2060  
**Fax:** +1 (732) 249-7000  
**Contact Person:**  
**e-mail:** product.stewardship@bluestarsilicones.com

**Emergency telephone number:** +1 (800) 424-9300 CHEMTREC

## 2. Hazard(s) identification

### Hazard Classification

Not a hazardous substance or mixture according to GHS.

### Label Elements

**Hazard Symbol:** No symbol  
**Signal Word:** No signal word.  
**Hazard Statement:** Not applicable

### Precautionary Statement

**Prevention:** Not applicable  
**Response:** Not applicable  
**Storage:** Not applicable  
**Disposal:** Not applicable

Other hazards which do not result in GHS classification: No data available.

### 3. Composition/information on ingredients

#### Mixtures

**Composition Comments:** Mixture of Polyorganosiloxanes, fillers, additives.

### 4. First-aid measures

**General information:** For further information refer to section 8 "Exposure-controls/personal protection".

**Ingestion:** Do not induce vomiting. Rinse mouth thoroughly. Get medical attention if symptoms occur.

**Inhalation:** Under normal conditions of intended use, this material is not expected to be an inhalation hazard.

**Skin Contact:** Wash skin thoroughly with soap and water. Seek medical attention if irritation develops or persists.

**Eye contact:** In the event of contact with the eyes, rinse thoroughly with clean water. Seek medical attention if irritation develops or persists or if visual changes occur.

#### Most important symptoms/effects, acute and delayed

**Symptoms:** None known.

**Hazards:** No specific recommendations.

#### Indication of immediate medical attention and special treatment needed

**Treatment:** No specific recommendations.

### 5. Fire-fighting measures

**General Fire Hazards:** No specific recommendations.

#### Suitable (and unsuitable) extinguishing media

**Suitable extinguishing media:** Dry chemical, alcohol resistant foam or carbon dioxide (CO2).

**Unsuitable extinguishing media:** Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical:** Product will burn under fire conditions. Hazardous Decomposition Products : formaldehyde, oxides of carbon and silica.

#### Special protective equipment and precautions for firefighters

**Special fire fighting procedures:** Water spray should be used to cool containers.

**Special protective equipment for fire-fighters:** Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Use water to keep fire exposed containers cool and disperse vapors.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures:** Use personal protective equipment. See Section 8 of the MSDS for Personal Protective Equipment.

**Methods and material for containment and cleaning up:** Sweep or scoop up and remove.

**Notification Procedures:** Caution: Contaminated surfaces may be slippery. For waste disposal, see section 13 of the MSDS.

**Environmental Precautions:** Do not allow to enter drains, sewers or watercourses.

## 7. Handling and storage

**Precautions for safe handling:** See Section 8 of the MSDS for Personal Protective Equipment. For further information, refer to Section 10: "Stability and Reactivity".

**Conditions for safe storage, including any incompatibilities:** Store in tightly closed original container in a dry, cool and well-ventilated place.

## 8. Exposure controls/personal protection

### Control Parameters

#### Occupational Exposure Limits

None of the components have assigned exposure limits.

**Appropriate Engineering Controls** No specific recommendations.

### Individual protection measures, such as personal protective equipment

**General information:** Provide sufficient ventilation during operations which cause vapor formation. This product can form formaldehyde vapors when heated to temperatures above 150 degrees C in the presence of air.

**Eye/face protection:** Wear approved safety glasses.

#### Skin Protection

**Hand Protection:** Protective gloves are recommended.

**Other:** Wear suitable protective clothing.

**Respiratory Protection:** No protection is ordinarily required under normal conditions of use and with adequate ventilation.

**Hygiene measures:** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties:

#### Appearance

<b>Physical state:</b>	Solid
<b>Form:</b>	Wax
<b>Color:</b>	Translucent.
<b>Odor:</b>	Odorless
<b>Odor threshold:</b>	No data available.
<b>pH:</b>	Not applicable
<b>Melting point/freezing point:</b>	No data available.
<b>International Inventories:</b>	> 500 °F (260 °C)
<b>Flash Point:</b>	> 392 °F (200 °C) (Cleveland Open Cup)
<b>Evaporation rate:</b>	No data available.
<b>Flammability (solid, gas):</b>	No data available.
<b>Flammability limit - upper (%):</b>	No data available.
<b>Flammability limit - lower (%):</b>	No data available.
<b>Vapor pressure:</b>	No data available.
<b>Vapor density:</b>	No data available.
<b>Relative density:</b>	No data available.
<b>Solubility(ies)</b>	
<b>Solubility in water:</b>	Insoluble in water
<b>Solubility (other):</b>	No data available.
<b>Partition coefficient (n-octanol/water):</b>	No data available.
<b>Auto-ignition temperature:</b>	> 572 °F (300 °C)
<b>Decomposition temperature:</b>	No data available.
<b>Viscosity:</b>	No data available.

## 10. Stability and reactivity

<b>Reactivity:</b>	No data available.
<b>Chemical Stability:</b>	Stable
<b>Possibility of Hazardous Reactions:</b>	Will not occur.
<b>Conditions to Avoid:</b>	None known.
<b>Incompatible Materials:</b>	Strong oxidizers, strong acids, and strong bases.
<b>Hazardous Decomposition Products:</b>	Thermal decomposition may liberate dimethylcyclosiloxanes. This product can form formaldehyde vapors when heated to temperatures above 150 degrees C in the presence of air.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Ingestion:</b>	No data available.
<b>Inhalation:</b>	No data available.

**Skin Contact:** No data available.

**Eye contact:** No data available.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Ingestion:** No data available.

**Inhalation:** No data available.

**Skin Contact:** No data available.

**Eye contact:** No data available.

**Information on toxicological effects**

**Acute toxicity (list all possible routes of exposure)**

**Oral**

**Product:** ATEmix: 91,431.9 mg/kg

**Dermal**

**Product:** No data available.

**Inhalation**

**Product:** No data available.

**Repeated Dose Toxicity**

**Product:** No data available.

**Skin Corrosion/Irritation**

**Product:** No data available.

**Serious Eye Damage/Eye Irritation**

**Product:** No data available.

**Respiratory or Skin Sensitization**

**Product:** No data available.

**Carcinogenicity**

**Product:** No data available.

**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**

No carcinogenic components identified

**US. National Toxicology Program (NTP) Report on Carcinogens:**

No carcinogenic components identified

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):**

No carcinogenic components identified

**Germ Cell Mutagenicity**

**In vitro**  
**Product:** No data available.

**In vivo**  
**Product:** No data available.

**Reproductive Toxicity**

**Product:** No data available.

**Specific Target Organ Toxicity - Single Exposure**

**Product:** No data available.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** No data available.

**Aspiration Hazard**

**Product:** No data available.

**Other Effects:** No data available.

**12. Ecological information****Ecotoxicity:****Acute hazards to the aquatic environment:**

**Fish**  
**Product:** No data available.

**Aquatic Invertebrates**  
**Product:** No data available.

**Chronic hazards to the aquatic environment:**

**Fish**  
**Product:** No data available.

**Aquatic Invertebrates**  
**Product:** No data available.

**Toxicity to Aquatic Plants**  
**Product:** No data available.

**Persistence and Degradability**

**Biodegradation**  
**Product:** No data available.

**BOD/COD Ratio**  
**Product:** No data available.

**Bioaccumulative Potential**

**Bioconcentration Factor (BCF)**  
**Product:** No data available.

**Partition Coefficient n-octanol / water (log Kow)**

**Product:** No data available.

**Mobility in Soil:** No data available.

**Other Adverse Effects:** No data available.

### 13. Disposal considerations

**Disposal instructions:** Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

### 14. Transport information

This material is not subject to transport regulations.

**Environmental hazards:** Not regulated.

**Special precautions for user:** No special precautions.

### 15. Regulatory information

#### US Federal Regulations

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**  
None present or none present in regulated quantities.

**CERCLA Hazardous Substance List (40 CFR 302.4):**  
None present or none present in regulated quantities.

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

##### Hazard categories

Acute (Immediate)  Chronic (Delayed)  Fire  Reactive  Pressure Generating

**SARA 302 Extremely Hazardous Substance**  
None present or none present in regulated quantities.

**SARA 304 Emergency Release Notification**  
None present or none present in regulated quantities.

**SARA 313 (TRI Reporting)**  
None present or none present in regulated quantities.

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)**  
None present or none present in regulated quantities.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**  
None present or none present in regulated quantities.

#### US State Regulations

**US. California Proposition 65**

No ingredient regulated by CA Prop 65 present.

**US. New Jersey Worker and Community Right-to-Know Act**

No ingredient regulated by NJ Right-to-Know Law present.

**US. Massachusetts RTK - Substance List**

No ingredient regulated by MA Right-to-Know Law present.

**US. Pennsylvania RTK - Hazardous Substances**

No ingredient regulated by PA Right-to-Know Law present.

**US. Rhode Island RTK**

No ingredient regulated by RI Right-to-Know Law present.

**Inventory Status:**

EU EINECS List: On or in compliance with the inventory

China Inv. Existing Chemical Substances: On or in compliance with the inventory

US TSCA Inventory: On or in compliance with the inventory

**16. Other information, including date of preparation or last revision**

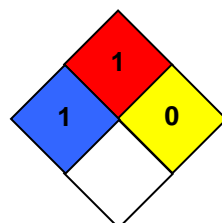
**HMIS Hazard ID**

<b>Health</b>	1
<b>Flammability</b>	1
<b>Physical Hazards</b>	0
<b>PERSONAL PROTECTION</b>	<b>B</b>

B - Safety Glasses & Gloves

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; \*Chronic health effect

**NFPA Hazard ID**



■ Flammability  
■ Health  
■ Reactivity  
■ Special hazard.

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

**Issue Date:** 05/22/2015

**Revision Date:** No data available.

**Version #:** 4.0

SDS\_US





**Further Information:** No data available.

**Disclaimer:** The information given is based on data available for the material, the components of the material, and similar materials. The information is believed to be correct. It is given in good faith. This information should be used to make an independent determination of the methods to safeguard workers and the environment.

# SAFETY DATA SHEET

## 1. Identification

**Product identifier:** SILBIONE LSR 4310 B

### Recommended use and restriction on use

**Recommended use:** Medical / paramedical.

**Restrictions on use:** None known.

### Manufacturer/Importer/Supplier/Distributor Information

#### Manufacturer

**Company Name:** Bluestar Silicones USA Corp.  
**Address:** 7979 Park Place Road  
29745 York, SC  
**Telephone:** +1 (803) 792-3000  
**Fax:** +1 (803) 684-7202  
**Contact Person:**  
**e-mail:** product.stewardship@bluestarsilicones.com

#### Supplier

**Company Name:** Bluestar Silicones USA Corp.  
**Address:** Two Tower Blvd, Suite 1601  
08816-1100 East Brunswick, NJ  
**Telephone:** +1 (732) 227-2060  
**Fax:** +1 (732) 249-7000  
**Contact Person:**  
**e-mail:** product.stewardship@bluestarsilicones.com

**Emergency telephone number:** +1 (800) 424-9300 CHEMTREC

## 2. Hazard(s) identification

### Hazard Classification

Not a hazardous substance or mixture according to GHS.

### Label Elements

**Hazard Symbol:** No symbol  
**Signal Word:** No signal word.  
**Hazard Statement:** Not applicable

### Precautionary Statement

**Prevention:** Not applicable  
**Response:** Not applicable  
**Storage:** Not applicable  
**Disposal:** Not applicable

**Other hazards which do not result in GHS classification:** Chemical compounds containing silicon - hydrogen bonds (SiH).

### 3. Composition/information on ingredients

#### Mixtures

**Composition Comments:** Mixture of Polyorganosiloxanes, fillers.

### 4. First-aid measures

**General information:** For further information refer to section 8 "Exposure-controls/personal protection".

**Ingestion:** Do not induce vomiting. Rinse mouth thoroughly. Get medical attention if symptoms occur.

**Inhalation:** Under normal conditions of intended use, this material is not expected to be an inhalation hazard.

**Skin Contact:** Wash skin thoroughly with soap and water. Seek medical attention if irritation develops or persists.

**Eye contact:** In the event of contact with the eyes, rinse thoroughly with clean water. Seek medical attention if irritation develops or persists or if visual changes occur.

#### Most important symptoms/effects, acute and delayed

**Symptoms:** None known.

**Hazards:** No specific recommendations.

#### Indication of immediate medical attention and special treatment needed

**Treatment:** No specific recommendations.

### 5. Fire-fighting measures

**General Fire Hazards:** No specific recommendations.

#### Suitable (and unsuitable) extinguishing media

**Suitable extinguishing media:** Dry chemical, alcohol resistant foam or carbon dioxide (CO<sub>2</sub>).

**Unsuitable extinguishing media:** Do not use water jet as an extinguisher, as this will spread the fire. Do not use alkaline powders.

**Specific hazards arising from the chemical:** For further information, refer to Section 10: "Stability and Reactivity". Product will burn under fire conditions. Hazardous Decomposition Products : formaldehyde, oxides of carbon and silica.

#### Special protective equipment and precautions for firefighters

<b>Special fire fighting procedures:</b>	Water spray should be used to cool containers.
<b>Special protective equipment for fire-fighters:</b>	Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures:</b>	Wear appropriate personal protective equipment. See Section 8 of the MSDS for Personal Protective Equipment. Avoid contact with bases. Eliminate all sources of ignition.
<b>Methods and material for containment and cleaning up:</b>	Avoid contact with bases. Sweep or scoop up and remove.
<b>Notification Procedures:</b>	Caution: Contaminated surfaces may be slippery. For waste disposal, see section 13 of the MSDS.
<b>Environmental Precautions:</b>	Do not allow to enter drains, sewers or watercourses.

## 7. Handling and storage

<b>Precautions for safe handling:</b>	Provide sufficient ventilation during operations which cause vapor formation. Do not mix with incompatible materials. For further information, refer to Section 10: "Stability and Reactivity". Read and follow manufacturer's recommendations.
<b>Conditions for safe storage, including any incompatibilities:</b>	Store in tightly closed original container. Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures.

## 8. Exposure controls/personal protection

### Control Parameters

#### Occupational Exposure Limits

None of the components have assigned exposure limits.

#### Appropriate Engineering Controls

No specific recommendations.

### Individual protection measures, such as personal protective equipment

<b>General information:</b>	Provide sufficient ventilation during operations which cause vapor formation. This product can form formaldehyde vapors when heated to temperatures above 150 degrees C in the presence of air.
<b>Eye/face protection:</b>	Wear approved safety glasses.
<b>Skin Protection</b>	
<b>Hand Protection:</b>	Protective gloves are recommended.
<b>Other:</b>	Wear suitable protective clothing.
<b>Respiratory Protection:</b>	No protection is ordinarily required under normal conditions of use and with adequate ventilation.

**Hygiene measures:** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties:

#### Appearance

<b>Physical state:</b>	Solid
<b>Form:</b>	Wax
<b>Color:</b>	Translucent.
<b>Odor:</b>	Odorless
<b>Odor threshold:</b>	No data available.
<b>pH:</b>	Not applicable
<b>Melting point/freezing point:</b>	No data available.
<b>International Inventories:</b>	> 500 °F (260 °C)
<b>Flash Point:</b>	> 392 °F (200 °C) (Cleveland Open Cup)
<b>Evaporation rate:</b>	No data available.
<b>Flammability (solid, gas):</b>	No data available.
<b>Flammability limit - upper (%):</b>	No data available.
<b>Flammability limit - lower (%):</b>	No data available.
<b>Vapor pressure:</b>	No data available.
<b>Vapor density:</b>	No data available.
<b>Relative density:</b>	No data available.
<b>Solubility(ies)</b>	
<b>Solubility in water:</b>	Insoluble in water
<b>Solubility (other):</b>	No data available.
<b>Partition coefficient (n-octanol/water):</b>	No data available.
<b>Auto-ignition temperature:</b>	> 572 °F (300 °C)
<b>Decomposition temperature:</b>	No data available.
<b>Viscosity:</b>	No data available.

## 10. Stability and reactivity

<b>Reactivity:</b>	No data available.
<b>Chemical Stability:</b>	Material is stable under normal conditions.
<b>Possibility of Hazardous Reactions:</b>	This product may generate hydrogen gas.
<b>Conditions to Avoid:</b>	None known.
<b>Incompatible Materials:</b>	A fire or explosion hazard arises because highly flammable gas (hydrogen) is released when it is in contact with : Strong oxidizers, strong bases and chemical compounds with mobile hydrogen, in the presence of metal salts and complexes.
<b>Hazardous Decomposition Products:</b>	Thermal decomposition may liberate dimethylcyclosiloxanes. This product can form formaldehyde vapors when heated to temperatures above 150 degrees C in the presence of air.

**11. Toxicological information****Information on likely routes of exposure****Ingestion:** No data available.**Inhalation:** No data available.**Skin Contact:** No data available.**Eye contact:** No data available.**Symptoms related to the physical, chemical and toxicological characteristics****Ingestion:** No data available.**Inhalation:** No data available.**Skin Contact:** No data available.**Eye contact:** No data available.**Information on toxicological effects****Acute toxicity (list all possible routes of exposure)****Oral****Product:** ATEmix: 96,068.83 mg/kg**Dermal****Product:** No data available.**Inhalation****Product:** No data available.**Repeated Dose Toxicity****Product:** No data available.**Skin Corrosion/Irritation****Product:** No data available.**Serious Eye Damage/Eye Irritation****Product:** No data available.**Respiratory or Skin Sensitization****Product:** No data available.**Carcinogenicity****Product:** No data available.**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**

No carcinogenic components identified

**US. National Toxicology Program (NTP) Report on Carcinogens:**

No carcinogenic components identified

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):**

No carcinogenic components identified

**Germ Cell Mutagenicity**

**In vitro**  
**Product:** No data available.

**In vivo**  
**Product:** No data available.

**Reproductive Toxicity**

**Product:** No data available.

**Specific Target Organ Toxicity - Single Exposure**

**Product:** No data available.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** No data available.

**Aspiration Hazard**

**Product:** No data available.

**Other Effects:** No data available.

**12. Ecological information****Ecotoxicity:****Acute hazards to the aquatic environment:**

**Fish**  
**Product:** No data available.

**Aquatic Invertebrates**  
**Product:** No data available.

**Chronic hazards to the aquatic environment:**

**Fish**  
**Product:** No data available.

**Aquatic Invertebrates**  
**Product:** No data available.

**Toxicity to Aquatic Plants**  
**Product:** No data available.

**Persistence and Degradability**

**Biodegradation**  
**Product:** No data available.

**BOD/COD Ratio**  
**Product:** No data available.

**Bioaccumulative Potential**

**Bioconcentration Factor (BCF)**  
**Product:** No data available.

**Partition Coefficient n-octanol / water (log Kow)**

**Product:** No data available.

**Mobility in Soil:** No data available.

**Other Adverse Effects:** No data available.

### 13. Disposal considerations

**Disposal instructions:** Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Waste of this material should not be mixed with other waste.

### 14. Transport information

This material is not subject to transport regulations.

**Environmental hazards:** Not regulated.

**Special precautions for user:** No special precautions.

### 15. Regulatory information

#### US Federal Regulations

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**  
None present or none present in regulated quantities.

**CERCLA Hazardous Substance List (40 CFR 302.4):**  
None present or none present in regulated quantities.

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

##### Hazard categories

Acute (Immediate)  Chronic (Delayed)  Fire  Reactive  Pressure Generating

**SARA 302 Extremely Hazardous Substance**  
None present or none present in regulated quantities.

**SARA 304 Emergency Release Notification**  
None present or none present in regulated quantities.

**SARA 313 (TRI Reporting)**  
None present or none present in regulated quantities.

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)**  
None present or none present in regulated quantities.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**  
None present or none present in regulated quantities.

#### US State Regulations

SDS\_US



**US. California Proposition 65**

No ingredient regulated by CA Prop 65 present.

**US. New Jersey Worker and Community Right-to-Know Act**

No ingredient regulated by NJ Right-to-Know Law present.

**US. Massachusetts RTK - Substance List**

No ingredient regulated by MA Right-to-Know Law present.

**US. Pennsylvania RTK - Hazardous Substances**

No ingredient regulated by PA Right-to-Know Law present.

**US. Rhode Island RTK**

No ingredient regulated by RI Right-to-Know Law present.

**Inventory Status:**

EU EINECS List:	On or in compliance with the inventory
Japan (ENCS) List:	On or in compliance with the inventory
China Inv. Existing Chemical Substances:	On or in compliance with the inventory
US TSCA Inventory:	On or in compliance with the inventory

**16. Other information, including date of preparation or last revision**

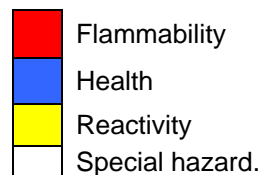
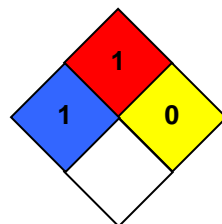
**HMIS Hazard ID**

<b>Health</b>	1
<b>Flammability</b>	1
<b>Physical Hazards</b>	0
<b>PERSONAL PROTECTION</b>	<b>B</b>

B - Safety Glasses & Gloves

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; \*Chronic health effect

**NFPA Hazard ID**



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

**Issue Date:** 05/22/2015

SDS\_US



**Revision Date:** No data available.

**Version #:** 4.0

**Further Information:** No data available.

**Disclaimer:** The information given is based on data available for the material, the components of the material, and similar materials. The information is believed to be correct. It is given in good faith. This information should be used to make an independent determination of the methods to safeguard workers and the environment.