

# SAFETY DATA SHEET

## POLYBOND® 3349



|         |                |              |              |
|---------|----------------|--------------|--------------|
| Version | Revision Date: | SDS Number:  | Country : US |
| 1.2     | 2019/03/31     | 000000000154 | Language: Z8 |

### SECTION 1. IDENTIFICATION

#### Recommended use of the chemical and restrictions on use

Recommended use : Polymer

Restrictions on use : Reserved for industrial and professional use.

#### Manufacturer or supplier's details

|          |  |
|----------|--|
| Company: | <u>Supplier</u><br>SI Group USA (USAA), LLC<br>4 Mountainview Terrace<br>Suite 200<br>Danbury, CT<br>United States of America (USA)<br>06810 |
|----------|--|

#### Emergency telephone

Emergency telephone: +1 703-741-5970(CHEMTREC/US)  
+44 (0) 1235 239 670(NCEC/EU)  
0 512 8090 3042(NRCC/CHINA)  
For additional emergency telephone numbers see section 16 of the Safety Data Sheet.

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS classification in accordance with 29 CFR 1910.1200

Not a hazardous substance or mixture.

#### GHS label elements

Not a hazardous substance or mixture.

#### Other hazards

None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

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Chemical nature : Polymer

### Hazardous ingredients

No hazardous ingredients

## SECTION 4. FIRST AID MEASURES

- |   |  |
|---|--|
| General advice  | : No hazards which require special first aid measures.   |
| If inhaled  | : Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion.<br>If symptoms persist, call a physician.  |
| In case of skin contact                                     | : Take off contaminated clothing and shoes immediately.<br>Wash off with soap and plenty of water.   |
| In case of eye contact                                      | : Flush eyes with water as a precaution.<br>Remove contact lenses.<br>Protect unharmed eye.<br>Keep eye wide open while rinsing.<br>If eye irritation persists, consult a specialist.                          |
| If swallowed  | : Clean mouth with water and drink afterwards plenty of water.<br>Do not give milk or alcoholic beverages.<br>Never give anything by mouth to an unconscious person.<br>If symptoms persist, call a physician. |
| Most important symptoms and effects, both acute and delayed | : Product dust may be irritating to eyes, skin and respiratory system.<br>No information available.  |
| Notes to physician  | : The first aid procedure should be established in consultation with the doctor responsible for industrial medicine.   |

## SECTION 5. FIRE-FIGHTING MEASURES

- |                                       |  |
|---------------------------------------|--|
| Suitable extinguishing media          | : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  |
| Specific hazards during fire fighting | : Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.<br><br>Burning produces irritant fumes.<br>Exposure to decomposition products may be a hazard to health. |
| Further information                   | : Standard procedure for chemical fires.   |
| Special protective equipment          | : In the event of fire, wear self-contained breathing apparatus.   |

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for fire-fighters

### SECTION 6. ACCIDENTAL RELEASE MEASURES

- |   |   |   |
|---|---|---|
| Personal precautions, protective equipment and emergency procedures | : | Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Non-sparking tools should be used. Avoid dust formation. |
| Environmental precautions   | : | Should not be released into the environment. Do not flush into surface water or sanitary sewer system.  |
| Methods and materials for containment and cleaning up               | : | Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.   |

### SECTION 7. HANDLING AND STORAGE

- |   |   |  |
|---|---|--|
| Advice on protection against fire and explosion | : | Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations.<br><br>Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed. |
| Advice on safe handling                         | : | For personal protection see section 8.   |
| Conditions for safe storage                     | : | Keep container tightly closed in a dry and well-ventilated place.  |

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Control parameters

##### Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

#### Exposure controls

- |                      |   |   |
|----------------------|---|---|
| Engineering measures | : | It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen deficient environment. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are |
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designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).

Use mechanical ventilation for general area control.  
Ensure that extracted air cannot be returned to the workplace through the ventilation system.  
Ensure that eyewash stations and safety showers are close to the workstation location.

### Personal protective equipment

Respiratory protection : In the case of dust or aerosol formation use respirator with an approved filter.  
Respirator with a dust filter

Hand protection

Remarks : Polyvinyl alcohol or nitrile- butyl-rubber gloves Before removing gloves clean them with soap and water.

Eye protection : Eye wash bottle with pure water  
Tightly fitting safety goggles

Skin and body protection : Dust impervious protective suit  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.  
Wash hands before breaks and at the end of workday.

Environmental exposure controls

Water : Do not let product enter drains.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

|                             |                     |
|-----------------------------|---------------------|
| Appearance                  | : pellets           |
| Color                       | : white             |
| Odor                        | : slight            |
| Odor Threshold              | : No data available |
| pH                          | : No data available |
| Melting point/range         | : 123 - 127 °C      |
| Boiling point/boiling range | : No data available |
| Flash point                 | : No data available |

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|  |   |                         |
|--|---|-------------------------|
| Evaporation rate                       | : | No data available       |
| Flammability (solid, gas)              | : | No data available       |
| Upper explosion limit                  | : | No data available       |
| Lower explosion limit                  | : | No data available       |
| Vapor pressure                         | : | No data available.      |
| Relative vapor density                 | : | No data available       |
| Relative density                       | : | ca. 0.93 - 0.95 (25 °C) |
| Density                                | : | No data available       |
| Solubility(ies)                        |   |                         |
| Water solubility                       | : | insoluble               |
| Solubility in other solvents           | : | No data available       |
| Partition coefficient: n-octanol/water | : | No data available       |
| Autoignition temperature               | : | No data available       |
| Decomposition temperature              | : | No data available       |
| Viscosity                              |   |                         |
| Viscosity, dynamic                     | : | No data available       |
| Viscosity, kinematic                   | : | No data available       |
| Explosive properties                   | : | No data available       |
| Oxidizing properties                   | : | No data available       |
| Surface tension                        | : | No data available       |

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### SECTION 10. STABILITY AND REACTIVITY

|                                    |   |   |
|------------------------------------|---|---|
| Reactivity                         | : | Stable under recommended storage conditions.  |
| Chemical stability                 | : | No decomposition if stored and applied as directed.                                   |
| Possibility of hazardous reactions | : | Stable under recommended storage conditions.<br>No decomposition if used as directed. |
| Conditions to avoid                | : | No data available   |

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|                                  |   |                               |
|----------------------------------|---|-------------------------------|
| Incompatible materials           | : | Halogenated compounds         |
| Hazardous decomposition products | : | Carbon oxides<br>Hydrocarbons |

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### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

##### Product:

|                           |   |  |
|---------------------------|---|--|
| Acute oral toxicity       | : | Remarks: Not classified due to lack of data. |
| Acute inhalation toxicity | : | Remarks: Not classified due to lack of data. |
| Acute dermal toxicity     | : | Remarks: Not classified due to lack of data. |

#### Skin corrosion/irritation

##### Product:

Remarks: The product is not considered as being a skin irritant.

#### Serious eye damage/eye irritation

##### Product:

Remarks: The product is not considered as being an eye irritant.

#### Respiratory or skin sensitization

##### Product:

Remarks: No data available

#### Germ cell mutagenicity

##### Product:

|                                     |   |  |
|-------------------------------------|---|--|
| Genotoxicity in vitro               | : | Remarks: Not classified due to lack of data. |
| Genotoxicity in vivo                | : | Remarks: Not classified due to lack of data. |
| Germ cell mutagenicity - Assessment | : | Not classified due to lack of data.          |

#### Carcinogenicity

##### Product:

|                              |   |                                     |
|------------------------------|---|-------------------------------------|
| Carcinogenicity - Assessment | : | Not classified due to lack of data. |
|------------------------------|---|-------------------------------------|

#### IARC

No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

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**OSHA** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP** No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

### Reproductive toxicity

**Product:**

Reproductive toxicity - : Not classified due to lack of data.  
Assessment

### STOT-single exposure

**Product:**

Assessment: Not classified due to lack of data.

### STOT-repeated exposure

**Product:**

Assessment: Not classified due to lack of data.

### Repeated dose toxicity

**Product:**

Remarks: Not classified due to lack of data.

### Aspiration toxicity

**Product:**

Not classified due to lack of data.

### Further information

**Product:**

Remarks: No data available

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## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

**Product:**

Toxicity to fish : Remarks: No data is available on the product itself.

Toxicity to daphnia and other :  
aquatic invertebrates Remarks: No data is available on the product itself.

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Toxicity to algae : Remarks: No data is available on the product itself.

Toxicity to microorganisms : Remarks: No data is available on the product itself.

### Further information

The following percentage of the mixture consists of ingredient(s) with unknown hazards to the aquatic environment: 99.82 %

### Persistence and degradability

#### Product:

Biodegradability : Remarks: No data available

### Bioaccumulative potential

#### Product:

Bioaccumulation : Remarks: No data available

### Mobility in soil

#### Product:

Mobility : Remarks: No data available

### Other adverse effects

#### Product:

Results of PBT and vPvB assessment : This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT). This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances  
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information : There is no data available for this product.

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : Do not dispose of waste into sewer.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Offer surplus and non-recyclable solutions to a licensed disposal company.



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Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.

### SECTION 14. TRANSPORT INFORMATION

#### International Regulations

##### IATA-DGR

Not regulated as a dangerous good

##### IMDG-Code

Not regulated as a dangerous good

##### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

#### Domestic regulation

##### 49 CFR

Not regulated as a dangerous good

##### Special precautions for user

Not applicable

### SECTION 15. REGULATORY INFORMATION

#### EPCRA - Emergency Planning and Community Right-to-Know

##### CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

##### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards** : No SARA Hazards

**SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

#### Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).

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### Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

### US State Regulations

#### Massachusetts Right To Know

No components are subject to the Massachusetts Right to Know Act.

#### Pennsylvania Right To Know

Not listed

#### New Jersey Right To Know

Not listed

#### California Prop 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

### The ingredients of this product are reported in the following inventories:

|       |  |
|-------|--|
| REACH | : Not in compliance with the inventory                   |
| DSL   | : All components of this product are on the Canadian DSL |
| AICS  | : On the inventory, or in compliance with the inventory  |
| NZIoC | : On the inventory, or in compliance with the inventory  |
| ENCS  | : Not in compliance with the inventory                   |
| ISHL  | : Not in compliance with the inventory                   |
| KECI  | : On the inventory, or in compliance with the inventory  |
| PICCS | : Not in compliance with the inventory                   |
| IECSC | : On the inventory, or in compliance with the inventory  |
| TCSI  | : Not in compliance with the inventory                   |
| TSCA  | : On TSCA Inventory                                      |

### TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

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### SECTION 16. OTHER INFORMATION

#### Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

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### Further information

#### NFPA:

Flammability

1

0 Health 0

Instability

#### HMIS® IV:

Special hazard.

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "\*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

Refer to NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids, for safe handling.

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<\*\* Phrase language not available: [ Z8 ] CUST - 100000000012264 \*\*>

US / Z8

### Carechem24 International Worldwide Coverage

#### Emergency Phone Numbers:

|               |                        |                                 |
|---------------|------------------------|---------------------------------|
| Europe:       | All European Countries | +44 (0) 1235 239 670            |
| Asia Pacific: | East / South East Asia | Regional Number : +65 3158 1074 |
|               | Australia              | +61 2801 44558                  |
|               | New Zealand            | +64 9929 1483                   |
|               | China Taiwan           | +86 10 5100 3039                |
|               | Japan                  | +81 345 789 341                 |
|               | Indonesia              | 00780 3011 0293                 |
|               | :Malaysia              | +60 3 6207 4347                 |
|               | Thailand               | 001800 1 2066 6751              |
|               | Korea                  | +65 3158 1285                   |
|               | Vietnam                | +65 3158 1255                   |
|               | India                  | +65 3158 1198                   |
|               | Pakistan               | +65 3158 1329                   |
|               | Philippines            | +65 31581203                    |
|               | Sri Lanka              | +65 3158 1195                   |
|               | Bangladesh             | +65 3158 1200                   |

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|------------------------------|---------------------------|----------------------|
| <u>Middle East / Africa:</u> | Arabic speaking countries | +44 (0) 1235 239 671 |
|                              | All other countries       | +44 (0) 1235 239 670 |
| <u>America</u>               | United States / Canada    | 001866 928 0789      |
| <u>Latin America:</u>        | Brazil                    | +55 113 711 9144     |
|                              | All other countries       | +44 (0) 1235 239 670 |
|                              | Mexico                    | +52 555 004 8763     |