

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



## POLYBOND® 3200

Version            Revision Date:            SDS Number:            Country : CN  
1.6                2019/09/24                400000003493            Language: EN

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name                                    : POLYBOND® 3200  
Product code                                    : 000000000004074406  
Chemical nature                                : Polymer

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

Recommended use                              : Polymer  
Restrictions on use                            : For professional and industrial installation and use only.

#### Manufacturer or supplier's details

Company:                                        Supplier  
SI Group Chemicals Trading (Shanghai) Co., Ltd.  
Room 201, Block 5, No. 1499 Shang Chuan Road, Pudong District,  
Shanghai  
China

Prepared by                                     SI Group Regulatory Affairs

Further information for the safety data sheet : msdsrequest@siigroup.com

#### Emergency telephone number

Emergency telephone number:                +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.

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

<b>Appearance</b>	: pellets
<b>Colour</b>	: white
<b>Odour</b>	: slight
Not a hazardous substance or mixture.	

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### GHS Classification

Not a hazardous substance or mixture.

### GHS label elements

Not a hazardous substance or mixture.

### Physical and chemical hazards

Not classified based on available information.

### Health hazards

Not classified based on available information.

### Environmental hazards

Not classified based on available information.

### Other hazards which do not result in classification

In case of occurrence of dust, risk of dust explosion.

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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

### Hazardous components

No hazardous ingredients

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## 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.  
If symptoms persist, call a physician.  
In case of skin contact : Take off contaminated clothing and shoes immediately.  
Wash off with soap and plenty of water.  
In case of eye contact : If eye irritation persists, consult a specialist.  
IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
If swallowed : Clean mouth with water and drink afterwards plenty of water.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
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.  
No information available.  
Notes to physician : The first aid procedure should be established in consultation with the doctor responsible for industrial medicine.

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## 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Use extinguishing measures that are appropriate to local cir-

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- Specific hazards during fire-fighting : cumstances and the surrounding environment.  
Do not allow run-off from fire fighting to enter drains or water courses.  
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.
- Hazardous combustion products : No information available.
- Specific extinguishing methods : Standard procedure for chemical fires.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

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### 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
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.

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### 7. HANDLING AND STORAGE

#### Handling

- Advice on protection against fire and explosion : Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed.
- Advice on safe handling : 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.  
Keep away from heat and sources of ignition.  
For personal protection see section 8.
- Avoidance of contact : Halogenated compounds

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### Storage

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.

Technical measures/Precautions :

Materials to avoid : No special restrictions on storage with other products.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Components 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 designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Ensure adequate ventilation, especially in confined areas.

Dust formation may be relevant in the processing of this product. In addition to substance-specific OELs, general limitations of concentrations of particulates in the air at workplaces have to be considered in workplace risk assessment. Relevant limits include: OSHA PEL for Particulates Not Otherwise Regulated of 15 mg/m<sup>3</sup> - total dust, 5 mg/m<sup>3</sup> - respirable fraction; and ACGIH TWA for Particles (insoluble or poorly soluble) Not Otherwise Specified of 3 mg/m<sup>3</sup> - respirable particles, 10 mg/m<sup>3</sup> - inhalable particles.

#### Personal protective equipment

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

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

Skin and body protection : Dust impervious protective suit

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Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hand protection

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

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : pellets  
Colour : white  
Odour : slight  
Odour Threshold : No data available  
  
pH : No data available  
  
Melting point/range : 160 °C  
  
Boiling point/boiling range : No data available  
Flash point : No data available  
  
Evaporation rate : No data available  
  
Flammability (solid, gas) : No data available  
Upper explosion limit : No data available  
  
Lower explosion limit : No data available  
  
Vapour pressure : No data available  
  
Relative vapour density : No data available  
  
Relative density : 0.9  
  
Density : No data available  
  
Solubility(ies)  
Water solubility : insoluble  
  
Solubility in other solvents : No data available  
  
Partition coefficient: n-octanol/water : No data available

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Auto-ignition 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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### 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.  
No decomposition if used as directed.  
Conditions to avoid : No data available  
Incompatible materials : Halogenated compounds  
Hazardous decomposition products : No hazardous decomposition products are known.

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### 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 : Not classified due to lack of data.

#### Serious eye damage/eye irritation

**Product:**

Remarks : Not classified due to lack of data.

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### Respiratory or skin sensitisation

**Product:**

Remarks : No data available

### Germ cell mutagenicity

**Product:**

Genotoxicity in vitro : Remarks: No data available

Genotoxicity in vivo : Remarks: No data available

Germ cell mutagenicity - Assessment : Not classified due to lack of data.

### Carcinogenicity

**Product:**

Remarks : This information is not available.

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

### Reproductive toxicity

**Product:**

Effects on fertility : Remarks: No data available

Effects on foetal development : Remarks: No data available

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

### 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 : No data available

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### Aspiration toxicity

#### **Product:**

No aspiration toxicity classification

### Further information

#### **Product:**

Remarks : No data available

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## 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.

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

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

### 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 : This substance/mixture contains no components considered to



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assessment      be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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

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### 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.

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

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### 14. TRANSPORT INFORMATION

#### International Regulations

##### ADR

Not regulated as a dangerous good

##### RID

Not regulated as a dangerous good

##### 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.

##### GB 6944/12268

Not regulated as a dangerous good

#### Special precautions for user

Not applicable

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### 15. REGULATORY INFORMATION

#### National regulatory information

General rule for classification and hazard communication of chemicals - Compliant

Provisions on the Safe Use of Chemicals at Workplace - Compliant

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Regulation on the Safety Management of Hazardous Chemicals

Law on Prevention and Control of Environment Pollution by Solid Waste - Compliant

International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors : Neither banned nor restricted

Hazardous Chemicals for Priority Management under SAWS : Not applicable

China Severely Restricted Toxic Chemicals for Import and Export : Not applicable

Catalogue of Hazardous Chemicals : Not applicable

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

DSL : All components of this product are on the Canadian DSL

AICS : On the inventory, or in compliance with the inventory

NZIoC : Not in compliance with the inventory

ENCS : On the inventory, or in compliance with the inventory

ISHL : On the inventory, or in compliance with the inventory

KECI : On the inventory, or in compliance with the inventory

PICCS : On the inventory, or 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

REACH : On the inventory, or in compliance with the inventory

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## 16. OTHER INFORMATION

### Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; CPR - Controlled Products Regulations; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan);

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ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; 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; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; 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; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; 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; WHMIS - Workplace Hazardous Materials Information System

### Further information

Other information : 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.

Date format : yyyy/mm/dd

### Disclaimer

The information and recommendations contained in this safety data sheet are, to the best of SI Group's knowledge, belief and experience, accurate and reliable as of the date of its publication and describe the product only with regard to safety requirements. It is the user's responsibility to confirm that it is using the most current available version of this safety data sheet. The information and recommendations herein are offered for the user's consideration and examination. Identified uses in this safety data sheet do neither represent an agreement on the quality of the Product nor a designated use. For the avoidance of doubt, nothing herein shall be construed as relieving the user of its responsibility to ensure that the product is suitable for the intended use and that any proprietary rights, existing laws and legislation are observed. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING THE PRODUCT DESCRIPTIONS, DATA OR INFORMATION HEREIN. This safety data sheet is neither a Certificate of Analysis (CoA) nor a technical data sheet and shall not be mistaken for a description of the product's specifications. If user repackages this product, it is the user's responsibility to insure proper health, safety and other necessary information is included with and/or on the packaging. Appropriate warnings and safe-handling procedures should be provided to handlers and further users of the product. Alteration of this document is strictly prohibited. Except to the extent required by law, re-publication or retransmission of this document, in whole or in part, is not permitted.

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### Carechem24 International Worldwide Coverage

#### Emergency Phone Numbers:

<u>Europe:</u>	All European Countries	+44 (0) 1235 239 670
<u>Asia Pacific:</u>	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
<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