

# Safety Data Sheet

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## 1 – PRODUCT AND COMPANY IDENTIFICATION

### 1.1 Product Identifiers

**PRODUCT NAME:** GP-235  
**PRODUCT NUMBER:** C-3008-BULK  
**DESCRIPTION:** Diphenyl Dimethoxy Silane  
**CAS NUMBER:** 6843-66-9  
**EC NUMBER:** 229-929-1

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

**USE OF SUBSTANCE:** Industrial / Chemical intermediate

### 1.3 Company Identifiers

**MANUFACTURER:** Genesee Polymers Corporation  
G-4099 S. Dort Hwy.  
Burton, MI 48529  
Tel (810) 715-5018 Fax (810) 742-8581  
Email: [cpiskoti@gpsilicones.com](mailto:cpiskoti@gpsilicones.com)

### 1.4 Emergency Contact Information

**24 HR. EMERGENCY PHONES:** CHEM\*TEL (800) 255-3924 (Domestic) / (813) 248-0585 (International)  
**Contract Number: MIS0002539**

## 2 – HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008**

Classifications listed also are applicable to the OSHA GHS Hazard Communication Standard (29CFR1910.1200).

Skin Irrit. 2 H315 Causes skin irritation.

**Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

R38: Irritating to skin.

**Information concerning particular hazards for human and environment:**

Not Applicable

### 2.2 GHS Label elements, including precautionary statements

### Labelling according to Regulation (EC) No 1272/2008

The product is additionally classified and labelled according to the Globally Harmonized System within the United States. (GHS)  
The substance is classified and labelled according to the CLP regulation.

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#### PICTOGRAMS:

**SIGNAL WORD:** Warning.

#### HAZARD DETERMINING COMPONENTS OF LABELLING:

Diphenyldimethoxysilane

#### HAZARD STATEMENTS

H315: Causes skin irritation.

#### PRECAUTIONARY STATEMENTS

P280: Wear protective gloves/protective clothing/eye protection.

P302+P352 IF ON SKIN: wash with plenty of water.

P332+P313 If skin irritation occurs; Get medical advice/attention.

#### HAZARD DESCRIPTION:

##### WHMIS-SYMBOLS:

N/A

##### NFPA-ratings (scale 0 – 4)

Health	2
Flammability	1
Reactivity	1

##### HMIS-ratings (scale 0 – 4)

Health	2
Flammability	1
Reactivity	1
Personal Protection	H

#### HMIS LONG TERM HEALTH SUBSTANCES

Substance is not listed.

#### 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

Results of PBT and vPvB assessment:

PBT: Not applicable

vPvB: Not applicable

### 3 – HAZARDS IDENTIFICATION

#### 3.1 Substances

**Description:** Diphenyldimethoxysilane  
**CAS-No.:** 6843-66-9  
**EC-No.:** 229-929-1

## Hazardous components:

COMPONENT	CLASSIFICATION	CONCENTRATION
Diphenyldimethoxysilane	Skin Irrit. 2, H315	95% min

## 4 – FIRST-AID MEASURES

### 4.1 Description of first aid measures

**GENERAL INFORMATION:** Consult a physician. Show this safety data sheet to the doctor in attendance.

**BREATHING (INHALATION):** Supply fresh air; consult doctor in case of complaints. In case of irregular breathing or respiratory arrest provide artificial respiration.

**SKIN (DERMAL):** Immediately remove any clothing soiled by the product.  
Immediately wash with soap and water and rinse thoroughly.  
If skin irritation is experienced, consult a doctor.

**EYES:** Remove contact lenses if worn.  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**SWALLOWING (INGESTION):** Never give anything by mouth to an unconscious person.  
Rinse mouth with water. Consult a physician.

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

No further relevant information available.

**HAZARDS:** No further relevant information available.

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

No further relevant information available.

## 5 – FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media

#### Suitable extinguishing agents:

Alcohol resistant foam.

Fire-extinguishing powder.

Carbon dioxide.

Water haze or fog.

**For safety reasons unsuitable extinguishing agents:** Water with full jet.

### 5.2 Special hazards arising from the substance or mixture:

Formation of toxic gases is possible during heating or in case of fire.

### 5.3 Advice for firefighters

#### Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

#### Additional information

Eliminate all ignition sources if safe to do so.

Cool endangered receptacles with water spray.

## 6 – ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation.

### 6.2 Environmental precautions:

Do not allow to enter sewers/surface or ground water.

Inform respective authorities in case of seepage into water course or sewage system.

### 6.3 Methods and material for containment and clean up

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Absorb with non-combustible liquid-binding material (sand, diatomite, acid binders, universal binders.)  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.  
Send for recovery or disposal in suitable receptacles.

#### 6.4 Reference to other sections

See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment  
See Section 13 for disposal information.

## 7 – HANDLING and STORAGE

### 7.1 Precautions for safe handling

Use only in well ventilated areas.  
Keep ignition sources away- Do not smoke.  
Prevent formation of aerosols.

#### Information about fire – and explosion protection:

Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.  
Fumes can combine with air to form an explosive mixture.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Storage:

#### Requirements to be met by storerooms and receptacles:

Store in a cool, dry place.  
Provide ventilation for receptacles.  
Avoid storage near extreme heat, ignition sources or open flame.

#### Information about storage in one common storage facility:

#### Store away from foodstuffs. Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.  
Keep container tightly sealed.

### 7.3 Specific end use(s)

No further relevant information available.

## 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

**Additional information about design of technical facilities:** No further data; see item 7

### 8.1 Control parameters

#### Ingredients with limit values that require monitoring at the workplace:

Ingredient	CAS number	Data type	Value
Not Required	N/A	N/A	N/A

**DNELs** No further relevant information available.

**PNECs** No further relevant information available.

#### Ingredients with biological limit value

Ingredient	CAS number	Data type	Value
None	N/A	N/A	N/A

**Additional information:** The lists valid during the making were used as basis.

### 8.2 Exposure controls

#### Personal protective equipment:

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**General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

Use only in well ventilated areas

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

**Respiratory protection:**

Use suitable respiratory protective device when high concentrations are present.

For large spills, respiratory protection may be advisable.

**Protection of hands:****Protective gloves**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

**Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

**Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:****Safety glasses****Body protection:**

Protective work clothing

**Limitation and supervision of exposure into the environment**

No further relevant information available.

**Risk management measures**

See section 7 for additional information.

No further relevant information available.

**9 – PHYSICAL / CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties****General Information****Appearance:**

<b>Form:</b>	Liquid.
<b>Colour:</b>	Clear
<b>Odour:</b>	Like alcohol
<b>Odour threshold:</b>	Not determined.
<b>pH value:</b>	Not determined.
<b>Change in condition:</b>	
<b>Melting point/Melting range:</b>	Not determined.
<b>Boiling point/Boiling range:</b>	160 ° C (>320 ° F )
<b>Flash point:</b>	121°C (250 °F)
<b>Flammability (solid, gaseous):</b>	Not applicable.
<b>Auto/Self-ignition temperature:</b>	Not determined.
<b>Decomposition temperature:</b>	Not determined.

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<b>Self-igniting:</b>	Not determined.
<b>Danger of explosion:</b>	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
<b>Explosion limits:</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
<b>Vapor pressure:</b>	Not determined.
<b>Density at 25 °C:</b>	1.08 g/cm <sup>3</sup> (8.9964 lbs/gal)
<b>Relative density:</b>	Not determined.
<b>Vapour density at 20 °C</b>	Not determined.
<b>Evaporation rate:</b>	Not determined.
<b>Solubility in / Miscibility with Water:</b>	Not miscible. Decomposition by hydrolysis.
<b>Partition coefficient (n-octanol/water)</b>	Not determined.
<b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
<b>VOC content:</b>	Not determined.
<b>9.2 Other information</b>	No further relevant information available.

## 10 – STABILITY and REACTIVITY

### 10.1 Reactivity

### 10.2 Chemical stability

#### Thermal decomposition / conditions to be avoided

Stable under normal temperatures and pressures.

### 10.3 Possibility of hazardous reactions

Reacts with humid air.

Reacts with oxidizing agents.

Reacts with strong acids.

Reacts with water.

### 10.4 Conditions to avoid

Moisture

### 10.5 Incompatible materials:

Keep away from water. Reacts with water and moisture in air to liberate methanol.

### 10.6 Hazardous decomposition products:

Methanol in case of hydrolysis.

## 11 – TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute toxicity (LD/LC50 values):

Ingredient	CAS Number	Data Type	Value
None	N/A	N/A	N/A

#### Primary irritant effect:

**On the skin:** Based on available data, the classification criteria are not met.

**On the eye:** Not classified as a primary irritant.

**Sensitisation:** No sensitising effects known.

#### Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version. Irritant

## 12 – ECOLOGICAL INFORMATION

### 12.1 Toxicity

**Aquatic toxicity:** No further relevant information available.

**12.2 Persistence and degradability** No further relevant information available.

**12.3 Bioaccumulative potential** No further relevant information available.

**12.4 Mobility in soil** No further relevant information available.

#### **Additional ecological information:**

##### **General notes:**

At present there are no ecotoxicological assessments.

### 12.5 Results of PBT and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.

**12.6 Other adverse effects** No further relevant information available.

## 13 – DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

#### **Recommendation**

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

#### **Uncleaned packaging:**

**Recommendation:** Disposal must be made according to official regulations.

## 14 – TRANSPORTATION INFORMATION

### 14.1 Transport hazard information

#### **DOT**

**UN Number:** Not Regulated

**Proper shipping name:** Not Regulated

**Hazard class:** Not Regulated

**Packing group:** Not Regulated

#### **ADR**

**UN Number:** Not Regulated

**Proper shipping name:** Not Regulated

**Hazard class:** Not Regulated

**Packing group:** Not Regulated

#### **IMDG**

**UN Number:** Not Regulated

**Proper shipping name:** Not Regulated

**Hazard class:** Not Regulated

**Packing group:** Not Regulated

**IATA**

**UN Number:** Not Regulated  
**Proper shipping name:** Not Regulated  
**Hazard class:** Not Regulated  
**Packing group:** Not Regulated

**14.2 Environmental hazards:**

**Marine pollutant:** No

**14.3 Special precautions for user:** Not applicable.

**Danger code:** Not applicable

**EMS Number:** Not applicable

**Transport in bulk according to AnnexII of  
MARPOL73/78 and the IBC Code:** Not applicable

**UN "Model Regulation":** -

**15 - REGULATIONS****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****United States (USA)****SARA****Section 355 (extremely hazardous substances):**

Substance is not listed.

**Section 313 (Specific toxic chemical listings):**

Substance is not listed.

**TSCA (Toxic Substances Control Act):**

Substance is listed

**Proposition 65 (California)****Chemicals known to cause cancer:**

Substance is not listed

**Chemicals known to cause reproductive toxicity for females:**

Substance is not listed.

**Chemicals known to cause reproductive toxicity for males:**

Substance is not listed.

**Chemicals known to cause developmental toxicity:**

Substance is not listed.

**Carcinogenic Categories****EPA (Environmental Protection Agency)**

Substance is not listed.

**IARC (International Agency for Research on Cancer):**

Substance is not listed.

**TLV (Threshold Limit Value established by ACGIH):**

Substance is not listed.

**NIOSH-Ca (National Institute for Occupational Safety and Health):**

Substance is not listed.

**Canada****Canadian Domestic Substances list:**

Substance is listed.

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**Canadian Ingredient Disclosure list (limit 0.1%):**

None of the ingredients are listed.

**Canadian Ingredient Disclosure list (limit 1%):**

Substance is listed.

**Other regulations, limitations and prohibitive regulations**

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

**Substances of very high concern (SVHC) according to REACH, Article 57:**

Substance is not listed.

**15.2 Chemical safety assessment:**

A Chemical Safety Assessment has not been carried out.

**16 – OTHER INFORMATION**

We believe the recommendations and technical information contained herein to be accurate. However, they are given without warranty or guarantee, expressed or implied, and we assume no responsibility for losses or damages, direct or indirect, as a result of their use.

**Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

DOT: US Department of Transportation

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (Canada)

WHMIS: Workplace Hazardous Materials Information System (Canada)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50 Lethal concentration, 50 percent

Skin irrit. 2 Skin corrosion/irritation, Hazard Category 2

**Sources**

SDS Prepared by:

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