

# Safety Data Sheet

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## 1 – PRODUCT AND COMPANY IDENTIFICATION

### 1.1 Product Identifiers

**PRODUCT NAME:** GP-369  
**PRODUCT NUMBER:** C-4755-BULK  
**DESCRIPTION:** Decamethylcyclopentasiloxane (D-5)  
**CAS NUMBER:** 541-02-6

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

No further relevant information available.

**USE OF SUBSTANCE:** Industrial / Hydrophobing agent/water repellent.

### 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@gpcsilicones.com](mailto:cpiskoti@gpcsilicones.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).

Flamm Liq. 4 H227: Combustible Liquid

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

Not Regulated

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

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

#### Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.

## 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 product is classified and labelled according to the CLP regulation.

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

### PICTOGRAMS:



**SIGNAL WORD:** Warning.

### HAZARD DETERMINING COMPONENTS OF LABELLING:

Decamethylcyclopentasiloxane

### HAZARD STATEMENTS

H227: Combustible Liquid.

### PRECAUTIONARY STATEMENTS

P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking.

P261 Avoid breathing mist/vapours/spray.

P271 Use only outdoors or in a well-ventilated area.

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

P403+P235: Store in a well ventilated place. Keep cool.

P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

### HAZARD DESCRIPTION:

#### WHMIS-SYMBOLS:

Not hazardous under WHMIS.

#### NFPA-ratings (scale 0 – 4)

Health	0
Flammability	2
Reactivity	0

#### HMIS-ratings (scale 0 – 4)

Health	0
Flammability	2
Reactivity	0
Personal Protection	D

### HMIS LONG TERM HEALTH SUBSTANCES

Not applicable

### 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:** Decamethylcyclopentasiloxane  
**CAS-No.:** 541-02-6

#### Hazardous components:

COMPONENT	CLASSIFICATION	CONCENTRATION
Decamethylcyclopentasiloxane CAS: 541-02-6 EINECS: 208-764-9	Flam. Liq. 4, H227	>99%

### 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.

**SKIN (DERMAL):** Wash with soap and water.  
If skin irritation is experienced, consult a doctor.

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

**SWALLOWING (INGESTION):** Do not induce vomiting.  
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 fog or haze.

## 6 – ACCIDENTAL RELEASE MEASURES

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

Ensure adequate ventilation.

Wear protective equipment. Keep unprotected persons away.

Keep away from ignition sources.

Protect from heat.

### 6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course.

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

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

Absorb with non-combustible liquid-binding material (sand, diatomite, acid binders, universal binders.)

Dispose contaminated material as waste according to item 13.

Send for recovery or disposal in suitable receptacles.

Allow to evaporate

### 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.

Avoid splashes or spray in enclosed areas.

Prevent formation of aerosols.

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

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

### 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.

Store away from oxidizing agents.

#### 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
Decamethylcyclpentasiloxane	541-02-6	TWA	Long-term value: 10 ppm

**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:

#### General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Keep away from foodstuffs, beverages and feed.

#### Respiratory protection:

Not required under normal conditions of use.

Use suitable respiratory protective device in case of insufficient ventilation.

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.

As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

#### 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:

Not required under normal conditions of use.

Protection may be required for spills.

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

Avoid release to the environment.

#### Risk management measures

No further relevant information available.

See section 7 for additional information.

## 9 – PHYSICAL / CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

#### General Information

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<b>Appearance:</b>	
<b>Form:</b>	Liquid.
<b>Colour:</b>	Colourless
<b>Odour:</b>	Not determined.
<b>Odour threshold:</b>	Not determined.
<b>pH value:</b>	Not determined.
<b>Change in condition:</b>	
<b>Melting point/Melting range:</b>	-38 °C (-36 °F)
<b>Boiling point/Boiling range:</b>	210°C (410°F)
<b>Flash point:</b>	73 °C (163 °F) (P.M.C.C)
<b>Flammability (solid, gaseous):</b>	Not applicable.
<b>Auto/Self-ignition temperature:</b>	392 °C (737.6 °F)
<b>Decomposition temperature:</b>	Not determined.
<b>Self-igniting:</b>	Product is not self-igniting.
<b>Danger of explosion:</b>	Not determined.
<b>Explosion limits:</b>	
<b>Lower:</b>	0.4 Vol %
<b>Upper:</b>	13.21 Vol %
<b>Vapor pressure:</b>	0.15 hPa
<b>Density at 25 °C:</b>	0.96 g/cm <sup>3</sup> (8.011 lbs/gal)
<b>Relative density:</b>	Not determined.
<b>Vapour density at 20 °C</b>	Not determined.
<b>Evaporation rate:</b>	<1
<b>Solubility in / Miscibility with</b>	
<b>Water:</b>	Not determined.
<b>Partition coefficient</b>	
<b>(n-octanol/water)</b>	Not determined.
<b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	3.8 mm <sup>2</sup> /s (25 °C)
<b>9.2 Other information</b>	No further relevant information available.

## 10 – STABILITY and REACTIVITY

**10.1 Reactivity** No additional information.

### 10.2 Chemical stability

#### Thermal decomposition / conditions to be avoided

Stable under normal temperatures and pressures.

### 10.3 Possibility of hazardous reactions

Combustible liquid.

Reacts with oxidizing agents.

Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomised.

### 10.4 Conditions to avoid

Keep ignition sources away - Do not smoke.

Store away from oxidizing agents.

### 10.5 Incompatible materials:

Oxidizing agents.

### 10.6 Hazardous decomposition products:

Formaldehyde

## 11 – TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

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

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

**Primary irritant effect:**

**On the skin:** Not classified as a primary skin irritant or corrosive.

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

**Subacute to chronic toxicity**

No further relevant information available.

**Sensitisation:** No sensitising effects known.

**Additional toxicological information:**

**Repeated dose toxicity:**

No relevant information available.

**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):**

Based on available data, the classification criteria are not met.

**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.

Residual materials should be treated as hazardous.

**Uncleaned packaging:**

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

**14 – TRANSPORTATION INFORMATION**

**14.1 Transport hazard information**

**DOT**

**UN Number:** NA1993

**Proper shipping name:** Combustible liquid, n.o.s (decamethylcyclopentasiloxane)

**Hazard class:**

**Label:** Not Regulated

**Packing group:** III

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**ADR**

**UN Number:** Not Regulated  
**Proper shipping name:** Not Regulated  
**Hazard class:** Not Regulated  
**Label:** Not Regulated  
**Packing group:** Not Regulated  
**Limited quantities:** Not regulated  
**Transport category:** Not regulated  
**Tunnel restriction code:** Not regulated

**IMDG**

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

**IATA**

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

**14.2 Environmental hazards:**

**Marine pollutant:** No

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

**Danger code:** 128

**EMS Number:** Not applicable

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

**UN "Model Regulation":** Above applies only to containers over 119 gallons or 450 liters. Not regulated if shipped in packages less than or equal to 119 gallons (450 liters).

**15 - REGULATIONS****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

**United States (USA)**

**SARA**

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**Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

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

None of the ingredients are listed.

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

All ingredients are listed.

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

Substance is not listed

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

None of the ingredients are listed.

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

None of the ingredients are listed.

**Chemicals known to cause developmental toxicity:**

Substance is not listed.

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

None of the ingredients are 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):**

None of the ingredients are listed.

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

Substance is not listed.

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

Substance is not listed.

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

None of the ingredients are 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 and the SDS contains all the information required by the Controlled Products Regulations.

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

None of the ingredients are 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.

**Relevant phrases**

H227 Combustible liquid.

**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)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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ACGIH: American Conference of Governmental Industrial Hygienists  
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  
LD50: Lethal dose, 50 percent  
Flam. Liq. 4: Flammable liquids, Hazard Category 4

**Sources**

SDS Prepared by:  
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