

Safety Data Sheet

gpsilicones.com



Version: 2

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1 – PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identifiers

PRODUCT NAME: GP-805
PRODUCT NUMBER: C-4085-BULK
DESCRIPTION: SILICONE POLYOL COPOLYMER
CAS NUMBER: 27306-78-1

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

No further relevant information available.

USE OF SUBSTANCE: Industrial / Wetting Agent

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

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).

The following Hazard Statements are applicable only to the EU regulations and not the US GHS regulation: H411.

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

Acute Tox. 4 H332 Harmful if inhaled.

Eye Irrit. 2 H319 Causes serious eye irritation.

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

Not Applicable

Information concerning particular hazards for human and environment:

Not Applicable

Additional Information:

There are no other hazards not otherwise classified that have been identified.
 0 percent of the mixture consists of component(s) of unknown toxicity.

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.

PICTOGRAMS:

SIGNAL WORD: Warning.

HAZARD DETERMINING COMPONENTS OF LABELLING:

Poly(oxy-1,2-ethanediyl), α -methyl- ω - [3-[1,3,3,3-tetramethyl-1-[trimethylsilyloxy]-1-disiloxanyl]propoxy]-

HAZARD STATEMENTS

The following Hazard Statements are applicable only to the EU regulations and not the US GHS regulation: H411
 H332 Harmful if inhaled.
 H411 Toxic to aquatic life with long lasting effects.
 H319: Causes serious eye irritation.

PRECAUTIONARY STATEMENTS

P261 Avoid breathing mist/vapours/spray.
 P264: Wash thoroughly after handling.
 P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P280: Wear protective gloves/protective clothing/eye protection.
 P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do.
 Continue rinsing.
 P312 Call a POISON CENTER/doctor if you feel unwell.

HAZARD DESCRIPTION:**WHMIS-SYMBOLS:**

Not applicable.

NFPA-ratings (scale 0 – 4)

Health	2
Flammability	1
Reactivity	0

HMIS-ratings (scale 0 – 4)

Health	2
Flammability	1
Reactivity	0
Personal Protection	D

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: Mixture of substances listed below with nonhazardous additions.

CAS-No.: 27306-78-1

Hazardous components:

COMPONENT	CLASSIFICATION	CONCENTRATION
Poly(oxy-1, 2-ethanediyl), a- methyl-w-[3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]-1-disiloxanyl]propoxy]- CAS: 27306-78-1 EC Number: 608-078-3	Aquatic Chronic 2, H411 Acute Tox. 4, H332; Eye Irrit. 2, H319	50-100%
Poly(oxy-1,2-ethanediyl), a-methyl-w-(2-propen-1-yloxy)- CAS: 27252-80-8 EC number: 608-068-9	Acute Tox 4. H302	10-25%

4 – FIRST-AID MEASURES

4.1 Description of first aid measures

GENERAL INFORMATION: Take affected persons out into fresh air. Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

BREATHING (INHALATION): Supply fresh air; consult doctor in case of complaints. Provide oxygen treatment if affected person has difficulty breathing.

SKIN (DERMAL): Immediately rinse with water.
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): Rinse out mouth and then drink plenty of water.
Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed

Thirst
Gastric or intestinal disorders when ingested.
Nausea in case of ingestion.
Coughing.
Difficulty breathing
Slight irritant effect on skin and mucous membranes.
Irritant to eyes.

HAZARDS:

Harmful if inhaled.
Danger of impaired breathing.
Nausea in case of ingestion.

4.3 Indication of any immediate medical attention and special treatment needed

Coughing.

Difficulty breathing
Slight irritant effect on skin and mucous membranes.
Irritant to eyes.
If necessary oxygen respiration treatment.
Medical supervision for at least 48 hours.
Later observation for pneumonia and pulmonary oedema.

5 – FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing agents:

Use fire extinguishing methods suitable to surrounding conditions.

For safety reasons unsuitable extinguishing agents: None.

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**

No further relevant information available.

6 – ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

For large spills, use respiratory protective device against the effects of fumes/dust/aerosol.

Use personal protective equipment as required. **6.2 Environmental precautions:**

Do not allow to penetrate the ground/soil.

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.

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:

No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Store in a cool location.

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
None	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:

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.

Keep away from foodstuffs, beverages and feed.

Do not inhale gases / fumes / aerosols.

Respiratory protection:

Wear appropriate NIOSH respirator when ventilation is inadequate and occupational exposure limits are exceeded.

Protection of hands:



Protective gloves

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

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:

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

See section 7 for additional information.

9 – PHYSICAL / CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form:	Liquid.
Colour:	Clear to straw color.
Odour:	Ether-like
Odour threshold:	Not determined.
pH value:	7
Change in condition:	
Melting point/Melting range:	-1 ° C (30 °F)
Boiling point/Boiling range:	>150 C (>302 °F)
Flash point:	116 °C (241 °F)
Flammability (solid, gaseous):	Not applicable.
Auto/Self-ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
Self-igniting:	Not determined.
Danger of explosion:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Vapor pressure:	Not determined.
Density at 25 °C:	1 g/cm ³ (8.345 lbs/gal)
Relative density:	Not determined.
Vapour density at 20 °C	Not determined.
Evaporation rate:	<1
Solubility in / Miscibility with Water:	Dispersible.
Partition coefficient (n-octanol/water)	Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
9.2 Other information	No further relevant information available.

10 – STABILITY and REACTIVITY

10.1 Reactivity No further relevant information available.

10.2 Chemical stability

Thermal decomposition / conditions to be avoided

Stable under normal temperatures and pressures.

No decomposition if used and stored according to specifications.

10.3 Possibility of hazardous reactions

Reacts with strong oxidising agents.

10.4 Conditions to avoid

Store away from oxidizing agents.

10.5 Incompatible materials:

Oxidizing agents.

10.6 Hazardous decomposition products:

Carbon monoxide and carbon dioxide.

Silicon Oxides (SiO_x)**11 – TOXICOLOGICAL INFORMATION****11.1 Information on toxicological effects****Acute toxicity (LD/LC50 values):**

Ingredient	CAS Number	Data Type	Value
Poly(oxy-1,2-ethanediyl), a-methyl-w-(-2-propen-1-yloxy)-	27252-80-8	Oral LD50	>500 mg/kg (rat)

Primary irritant effect:**On the skin:** Slight irritant effect on skin and mucous membranes.**On the eye:** Causes serious eye irritation**Sensitisation:** Based on available data, the classification criteria are not met.**Additional toxicological information:****Repeated dose toxicity:**

No further relevant information available.

CMR effects (carcinogenity, mutagenicity and toxicity for reproduction):

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

STOT-single exposure

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

STOT-repeated exposure

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

12 – ECOLOGICAL INFORMATION**12.1 Toxicity****Aquatic toxicity:** Toxic for aquatic organisms**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:****Ecotoxicological effects:****Remark:** Toxic for fish**General notes:**

Toxic for aquatic organisms

Due to available data on eliminability/decomposition and bioaccumulation potential prolonged term damage of the environment can not be excluded.

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. Must not be disposed together with household garbage. Do not allow product to reach sewage system.

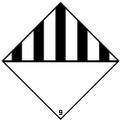
Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

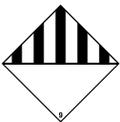
14 – TRANSPORTATION INFORMATION

14.1 Transport hazard information

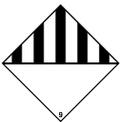
DOT
UN Number: UN 3082
Proper shipping name: Environmentally hazardous substances, liquid, n.o.s (Poly(oxy-1,2-ethanediyl), a-methyl-w-[3-[1,3,3,3-tetramethyl-1[(trimethylsilyl)oxy]-1-disiloxanyl]propoxy]-)
Hazard class: 9 Miscellaneous dangerous substances and articles.
Label: 9
Packing group: III
Special instructions: Transport labeling is not required for non-bulk single package shipments by motor vehicle, rail car or aircraft. Bulk packaging consists of a maximum capacity of greater than 450L (119 gallons) for a liquid and maximum net mass greater than 400 kg (882 pounds) for a solid. Limited Quantity for packages less than 30 kg (66 lb) and inner packagings less than 5L (1.3 gal).



ADR
UN Number: UN3082
Proper shipping name: 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (POLY (OXY-1,2-ETHANEDIYL), a-METHYL-w-[3-[1,3,3,3-TETRAMETHYL-1[(TRIMETHYLSILYL)OXY]-1-DISILOXANYL]PROPOXY]-)
Hazard class: 9 (M6) Miscellaneous dangerous substances and articles
Label: 9
Packing group: III
Transport category: 3
Tunnel restriction code: E



IMDG
UN Number: UN3082
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (POLY (OXY-1,2-ETHANEDIYL), a-METHYL-w-[3-[1,3,3,3-TETRAMETHYL-1[(TRIMETHYLSILYL)OXY]-1-DISILOXANYL]PROPOXY]-), MARINE POLLUTANT
Hazard class: 9 Miscellaneous dangerous substances and articles.
Label: 9
Packing group: III



IATA
UN Number: UN3082
Proper shipping name: Environmentally hazardous substances, liquids, n.o.s. (Poly(oxy-1,2-ethanediyl), a-methyl-w-[3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]-1-disiloxanyl]propoxy]-)

Hazard class: 9 Miscellaneous dangerous substances and articles.
Label: 9
Packing group: III



14.2 Environmental hazards:

Marine pollutant: Yes

Symbol (fish and tree)

Special marking (ADR): Symbol (fish and tree)

Special marking (IATA) Symbol (fish and tree)

14.3 Special precautions for user: Warning: Miscellaneous dangerous substances and articles.

Danger code: 90

EMS Number: F-A,S-F

Transport in bulk according to AnnexII of

MARPOL73/78 and the IBC Code: Not applicable

UN "Model Regulation": UN 3082 ENVIROMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (POLY (OXY-1,2-ETHANEDIYL), a-METHYL-w-[3-[1,3,3,3-TETRAMETHYL-1[(TRIMETHYLSILYL)OXY]-1-DISILOXANYL]PROPOXY]-), 9, III

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):

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:

None of the ingredients are 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:

None of the ingredients are listed.

Carcinogenic Categories

EPA (Environmental Protection Agency)

None of the ingredients are listed.

IARC (International Agency for Research on Cancer):

None of the ingredients are listed.

TLV (Threshold Limit Value established by ACGIH):

None of the ingredients are listed.

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

None of the ingredients are listed.

Canada

Canadian Domestic Substances list:

All ingredients are listed.

Canadian Ingredient Disclosure list (limit 0.1%):

None of the ingredients are listed.

Canadian Ingredient Disclosure list (limit 1%):

Genesee Polymers - GP-805

None of the ingredients are listed

Other regulations, limitations and prohibitive regulations

None of the ingredients are listed.

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.

Relevant phrases

H302 Harmful if swallowed.

H319 Causes serious eye irritation

H332 Harmful if inhaled.

H411 Toxic to aquatic life with long lasting effects.

Abbreviations and acronyms:

Acute Tox.4: Acute toxicity, Hazard Category 4

Aquatic Chronic 2: Hazardous to the aquatic environment- Chronic Hazard Category 2

Eye Irrit. 2 Serious eye damage/eye irritation, Hazard Category 2

Sources

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