

Safety Data Sheet

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1 – PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identifiers

PRODUCT NAME: GP-977
PRODUCT NUMBER: C-8482-BULK
DESCRIPTION: SILICONE FLUID
CAS NUMBER: 68951-99-5

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

No further relevant information available.

USE OF SUBSTANCE: Industrial / Laboratory chemicals Chemical for synthesis

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

The product is not classified as hazardous according to OSHA GHS regulations within the United States.

The substance is not classified as hazardous according to the CLP regulation.

The product is not classified as hazardous according to the Globally Harmonized System (GHS)

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

Not Applicable

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

This product does not have a classification according to the CLP regulation.

The product is not classified as hazardous according to OSHA GHS regulations within the United States.
The product does not have a classification according to the General GHS regulations.

PICTOGRAMS:



SIGNAL WORD: Not Regulated.

HAZARD DETERMINING COMPONENTS OF LABELLING:
None.

HAZARD STATEMENTS
Not Regulated.

PRECAUTIONARY STATEMENTS
Not Regulated.

HAZARD DESCRIPTION:
WHMIS-SYMBOLS:
Not hazardous under WHMIS.

NFPA-ratings (scale 0 – 4)

Health	0
Flammability	1
Reactivity	0

HMIS-ratings (scale 0 – 4)

Health	0
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: Siloxanes and Silicones, di-Me, Me vinyl, mono(vinyl group)-terminated
CAS-No.: 68951-99-5

Hazardous components:

COMPONENT	CLASSIFICATION	CONCENTRATION
None	N/A	N/A

4 – FIRST-AID MEASURES

4.1 Description of first aid measures

GENERAL INFORMATION: Take affected persons out into fresh air. Immediately remove any clothing soiled by the product.

BREATHING (INHALATION): Supply fresh air; consult doctor in case of complaints.

SKIN (DERMAL): 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.
Protect unharmed eye.

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

Gastric or intestinal disorders when ingested.

Nausea in case of ingestion.

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:

- Foam.
- Alcohol resistant foam.
- Fire-extinguishing powder.
- Carbon dioxide.
- Gaseous extinguishing agents.
- 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.

6.2 Environmental precautions:

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

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

Avoid splashes or spray in enclosed areas.

Use only in well ventilated areas.

Information about fire – and explosion protection:

Keep ignition sources away - Do not smoke.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Avoid storage near extreme heat, ignition sources or open flame.

Store in a cool, dry place.

Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from oxidizing agents.

Protect from humidity and water.

Do not store together with acids.

Do not store together with alkalis (caustic solutions).

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.
Immediately remove all soiled and contaminated clothing.
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:

For large spills, respiratory protection may be advisable.
Use suitable respiratory protective device when high concentrations are present.
Not required under normal conditions of use.

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:

Protection may be required for spills.
Not required under normal conditions of use.

Limitation and supervision of exposure into the environment

Avoid release to the environment.

Risk management measures

No special requirements.

9 – PHYSICAL / CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form:	Liquid.
Colour:	Clear to slightly hazy.
Odour:	Not determined.
Odour threshold:	Not determined.
pH value:	Not determined.
Change in condition:	
Melting point/Melting range:	Not determined.
Boiling point/Boiling range:	Undetermined.
Flash point:	>149 °C (>300 °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:	1.32 hPa (1 mm Hg)
Density at 25 °C:	0.98 g/cm ³ (8.178 lbs/gal)
Relative density:	Not determined.
Vapour density at 20 °C	Not determined.
Evaporation rate:	Not determined.
Solubility in / Miscibility with Water:	Not miscible or difficult to mix.
Partition coefficient (n-octanol/water)	Not determined.
Viscosity:	
Dynamic:	300 CSt
Kinematic:	Not determined.
9.2 Other information	No further relevant information available.

10 – STABILITY and REACTIVITY

10.1 Reactivity

10.2 Chemical stability

Thermal decomposition / conditions to be avoided

Keep away from heat/sparks/open flames/hot surfaces - No smoking.

10.3 Possibility of hazardous reactions

Reacts with alkali (lyes).

Reacts with acids.

Reacts with peroxides and other radical forming substances.

Reacts with oxidizing agents.

Toxic fumes may be released if heated above the decomposition point.

10.4 Conditions to avoid

Store away from oxidizing agents.

Keep ignition sources away - Do not smoke.

Avoid acids.

Moisture

10.5 Incompatible materials:

Oxidizers, strong bases, strong acids

Water

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
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.

Sensitisation: No sensitising effects known.

Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

The substance is not subject to classification according to the latest version of the EU lists.

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:

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

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. Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.

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.

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.

Canadian Ingredient Disclosure list (limit 0.1%):

Genesee Polymers - GP-977

Substance is not listed.

Canadian Ingredient Disclosure list (limit 1%):

Substance is not 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)

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

HS: Globally Harmonised System of Classification and Labelling of Chemicals

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IATA: International Air Transport Association

Sources

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