

Safety Data Sheet

gpsilicones.com



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1 – PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identifiers

PRODUCT NAME: GP-451
PRODUCT NUMBER: C-6156-BULK
DESCRIPTION: SILICONE EMULSION
CAS NUMBER: MIXTURE

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

No further relevant information available.

USE OF SUBSTANCE: Industrial / Mold Release Agent 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@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 following Hazard Statements are applicable only to the EU regulations and not the US GHS regulation: H412.

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

Skin Sens. 1 H317 May cause an allergic skin reaction.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

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

R43: May cause sensitisation by skin contact.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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 substance is 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:

2,2',2''- (hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol

HAZARD STATEMENTS

The following Hazard Statements are applicable only to the EU regulations and not the US GHS regulation: H412
 H317 May cause an allergic skin reaction.
 H412 Harmful to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS

P302+P352 IF ON SKIN: wash with plenty of water.
 P363 Wash contaminated clothing before reuse.
 P280: Wear protective gloves/protective clothing/eye protection.
 P333+P313 If skin irritation or rash occurs; Get medical advice/attention.

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

HAZARD DESCRIPTION:**WHMIS-SYMBOLS:**

D2B-Toxic material causing other toxic effects.

NFPA-ratings (scale 0 – 4)

Health	2
Flammability	0
Reactivity	0

HMIS-ratings (scale 0 – 4)

Health	2
Flammability	0
Reactivity	0
Personal Protection	D

HMIS LONG TERM HEALTH SUBSTANCES

None of the ingredients are 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.: MIXTURE

Hazardous components:

COMPONENT	CLASSIFICATION	CONCENTRATION
Polyethylene glycol mono (tridecyl) ether CAS: 24938-91-8	Aquatic Chronic 2, H411 Acute Tox. 4, H302	1% - 5%
Dimethylsiloxane, polymer, (((3((2-aminoethyl)amino)propyl)-dimethoxysilyloxy)-terminated CAS:71750-80-6	Skin Irrit. 2, H315; Eye Irrit. 2, H319	<2.5%
Quaternary ammonium compounds, coco alkylbis(hydroxyethyl)methyl, chlorides CAS:70750-47-9 EINECS: 274-846-6	Aquatic Acute 1, H400, Acute TOX. 4, H302, Eye Irrit. 2, H319	1% - 5%
1,3,5-Triazine-1,3,5(2H,4H,6H)-Triethanol CAS #4719-04-4	Acute Tox. 2, H330 STOT RE 1, H372 Acute Tox. 4, H302; Skin Sens. 1, H317	<1%

Additional Information:

For the listed ingredients, the identity and exact percentages are being withheld as a trade secret.

For the wording of the listed risk phrases refer to section 16.

4 – FIRST-AID MEASURES

4.1 Description of first aid measures

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

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

KIN (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

May cause gastro-intestinal irritation if ingested.

Nausea in case of ingestion.

Slight irritant effect on eyes.

Allergic Reactions.

Headache.

HAZARDS: May cause sensitisation by inhalation and skin contact.

4.3 Indication of any immediate medical attention and special treatment needed

Medical supervision for at least 48 hours.

Treat skin and mucous membrane with antihistamine and corticoid preparations.

Contains 2, 2' 2''-(hexahydro-1,3,5triazine-1,3,5-triyl) triethanol. May produce an allergic reaction.

5 – FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing agents:

Use fire extinguishing methods suitable to surrounding conditions.

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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

For large spills, wear protective clothing.

Particular danger of slipping on leaked/spilled product.

Ensure adequate ventilation.

6.2 Environmental precautions:

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

6.3 Methods and material for containment and clean up

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

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.

Avoid contact with the eyes and skin.

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, dry place.

Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from oxidizing agents.

Further information about storage conditions:

Store at temperatures not exceeding 27 C/ 80 F
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.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

Keep away from foodstuffs, beverages and feed.

Respiratory protection:

NIOSH or EN approved organic vapor respirator equipped with a dust/mist prefilter should be used.

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.

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:

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

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:

Form: Liquid.

Colour: White

Odour: Not determined.

Odour threshold: Not determined.

pH value: 9

Change in condition:

Melting point/Melting range: Not determined.

Boiling point/Boiling range: >100°C (>212°F)

Flash point: Not applicable.

Flammability (solid, gaseous): Not applicable.

Auto/Self-ignition temperature: Not determined.

Decomposition temperature: Not determined.

Self-igniting: Product is not self-igniting.

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: 0.99 g/cm³ (8.262lbs/gal)

Relative density: Not determined.

Vapour density at 20 °C Not determined.

Evaporation rate: Not determined.

Solubility in / Miscibility with

Water: Dispersible.

Partition coefficient

(n-octanol/water) Not determined.

Viscosity:

Dynamic: Not determined.

Kinematic: Not determined.

OC content:

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

No decomposition if used and stored according to specifications.

10.3 Possibility of hazardous reactions

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

10.4 Conditions to avoid

No further relevant information available.

10.5 Incompatible materials:

Oxidizers

10.6 Hazardous decomposition products:

Carbon monoxide and carbon dioxide.

Silicon Oxides.

Ammonia

Nitrogen oxides (NOx)

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: Slight irritant effect on skin and mucous membranes.

On the eye: Slight irritant effect on eyes.

Sensitisation: Sensitisation possible through skin contact.

Sensitisation possible through inhalation.

Additional toxicological information:

Contain 2,2',2''-(hexahydro-1,3,5-triazine-1,3,5-triyl)tr ethanol. May produce an allergic reaction.

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:

Repeated dose toxicity:

Repeated exposures may result in skin and/or respiratory sensitivity.

12 – ECOLOGICAL INFORMATION

12.1 Toxicity

Aquatic toxicity: The product contains materials that are harmful to the environment.

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.

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.

PvB: Not applicable.

12.6 Other adverse effects No further relevant information available.

13 –DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Recommendation

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

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%):

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.

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

None of the ingredients are listed.

5.2 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.

H411 Toxic to aquatic life with long lasting effects.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R23 Toxic by inhalation

R36/38 Irritating to eyes and skin.

H317 May cause an allergic skin reaction.

H330 Fatal if inhaled.

R43 may cause sensitisation by skin contact.

R48/23 Toxic: danger of serious damage to health by prolonged exposure through inhalation.

H372 Causes damage to organs through prolonged or repeated exposure.

H315 Causes skin irritation.

H319 Causes serious eye irritation

H400 Very toxic to aquatic life.

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

ACGIH: American Conference of Governmental Industrial Hygienists

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

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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

Aquatic Chronic 3: Hazardous to the aquatic environment- Chronic Hazard Category 3

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

Acute Tox.4: Acute toxicity, Hazard Category 4

LD50: Lethal dose, 50 percent

Acute Tox. 2: Acute toxicity, Hazard Category 2

Skin Sens. 1: Sensitisation-Skin, Hazard Category 1

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

STOT SE 3: Specific target organ toxicity- Single exposure, Hazard Category 3

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

Aquatic Acute 1: Hazardous to the aquatic environment-Acute Hazard, Category 1

Sources

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