

Safety Data Sheet

according to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Revision: May 30, 2019

1 Identification

- **Product identifier**
- **Trade name: GP-535**
- **Product code: C-0261**
- **CAS Number:**
30110-74-8
- **Recommended use and restriction on use**
- **Recommended use:** Industrial uses.
- **Restrictions on use:** Contact manufacturer/supplier
- **Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**
Genesee Polymers Corporation
G-4099 S. Dort Hwy.
Burton, MI 48529
(810) 715-5018
customerservice@gpcsilicones.com
- **Emergency telephone number:**
ChemTel Inc.
(800)255-3924 (North America)
+1 (813)248-0585 (International)



2 Hazard(s) identification

- **Classification of the substance or mixture**
Flam. Liq. 2 H225 Highly flammable liquid and vapor.
- **Label elements**
- **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms:**



GHS02

- **Signal word:** Danger
- **Hazard statements:**
H225 Highly flammable liquid and vapor.
- **Precautionary statements:**

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P280	Wear protective gloves/protective clothing/eye protection.
P303+P361+P353	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P370+P378	In case of fire: Use foam, powder, or carbon dioxide for extinction.

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P403+P235

Store in a well-ventilated place. Keep cool.

P501

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

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3 Composition/information on ingredients

- **Chemical characterization: Substances**

- **CAS No. Description**

30110-74-8 tetramethyldisiloxane

4 First-aid measures

- **Description of first aid measures**

- **General information:** Immediately remove any clothing soiled by the product.

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.

- **After skin contact:**

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

If skin irritation is experienced, consult a doctor.

- **After eye contact:**

Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- **After swallowing:**

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; immediately call for medical help.

- **Most important symptoms and effects, both acute and delayed:**

Nausea in case of ingestion.

May cause gastro-intestinal irritation if ingested.

- **Danger:** No relevant information available.

- **Indication of any immediate medical attention and special treatment needed:**

No relevant information available.

5 Fire-fighting measures

- **Extinguishing media**

- **Suitable extinguishing agents:**

Gaseous extinguishing agents

Alcohol resistant foam

Carbon dioxide

Fire-extinguishing powder

- **For safety reasons unsuitable extinguishing agents:** Water

- **Special hazards arising from the substance or mixture**

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

- **Advice for firefighters**

- **Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

- **Additional information:**

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Eliminate all ignition sources if safe to do so.
Use large quantities of foam as it is partially destroyed by the product.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**

Use respiratory protective device against the effects of fumes/dust/aerosol.

Ensure adequate ventilation.

Wear protective equipment. Keep unprotected persons away.

Keep away from ignition sources.

Protect from heat.

- **Environmental precautions** Do not allow product to reach sewage system or any water course.

- **Methods and material for containment and cleaning up**

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

Dispose contaminated material as waste according to item 13.

Do not flush with water or aqueous cleansing agents

Send for recovery or disposal in suitable receptacles.

- **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

- **Handling**

- **Precautions for safe handling:**

Use only in well ventilated areas.

Prevent formation of aerosols.

Avoid splashes or spray in enclosed areas.

- **Information about protection against explosions and fires:**

Highly flammable liquid and vapor.

Keep ignition sources away - Do not smoke.

Protect from heat.

Protect against electrostatic charges.

Emergency cooling must be available in case of nearby fire.

Flammable gas-air mixtures may be formed in empty containers/receptacles.

Fumes can combine with air to form an explosive mixture.

- **Conditions for safe storage, including any incompatibilities**

- **Requirements to be met by storerooms and receptacles:**

Store in a cool location.

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 oxidizers, strong acids, strong bases.

Protect from humidity and water.

- **Further information about storage conditions:**

Store under inert gas.

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- Keep containers tightly sealed.
- Protect from heat and direct sunlight.
- **Specific end use(s)** No relevant information available.

8 Exposure controls/personal protection

- **Control parameters**
- **Components with limit values that require monitoring at the workplace:** Not required.
- **Exposure controls**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
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.
- **Engineering controls:** Provide adequate ventilation.
- **Breathing equipment:**
Not required under normal conditions of use.
Use suitable respiratory protective device when aerosol or mist is formed.
Use suitable respiratory protective device when high concentrations are present.
For spills, respiratory protection may be advisable.
- **Protection of hands:**



Protective gloves

- **Material of gloves**
Neoprene gloves
Butyl rubber, BR
- **Eye protection:**



Safety glasses

- Follow relevant national guidelines concerning the use of protective eyewear.
- **Body protection:**
Protective work clothing
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.
No relevant information available.

9 Physical and chemical properties

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Information on basic physical and chemical properties

Appearance:

Form: Liquid
Color: Colorless

Odor: Not determined.
Odor threshold: Not determined.

pH-value: Not determined.
Melting point/Melting range: Not determined.
Boiling point/Boiling range: 70 °C (158 °F)

Flash point: -12 °C (10.4 °F)

Flammability (solid, gaseous): Not applicable.

Auto-ignition temperature: 240 °C (464 °F)

Decomposition temperature: Not determined.

Danger of explosion: Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

Explosion limits

Lower: Not determined.
Upper: Not determined.

Oxidizing properties: Non-oxidizing.

Vapor pressure at 27 °C (80.6 °F): 260 hPa (195 mm Hg)

Density at 20 °C (68 °F): 0.76 g/cm³ (6.34 lbs/gal)

Relative density: Not determined.

Vapor density: Not determined.

Evaporation rate at 20 °C (68 °F): >1

Solubility in / Miscibility with

Water: Not miscible or difficult to mix.

Partition coefficient (n-octanol/water): Not determined.

Viscosity

Dynamic at 20 °C (68 °F): 0.5 cSt
Kinematic: Not determined.

Other information: No relevant information available.

10 Stability and reactivity

Reactivity: No relevant information available.

Chemical stability:

Thermal decomposition / conditions to be avoided:

Heating may cause release of toxic fumes.

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

Possibility of hazardous reactions

Highly flammable liquid and vapor.

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Reacts with oxidizing agents.
 Reacts with alcohols.
 Reacts with amines.
 Reacts with halogenated compounds.
 Reacts with water.
 Reacts with metals forming hydrogen.
 Used empty containers may contain product gases which form explosive mixtures with air.
 Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomized.
 Toxic fumes may be released if heated above the decomposition point.

· **Conditions to avoid**

Moisture.
 Keep ignition sources away - Do not smoke.
 Keep away from heat and direct sunlight.

· **Incompatible materials**

Strong acids and alkali.
 Oxidizing agents.
 Water

· **Hazardous decomposition products**

Carbon monoxide and carbon dioxide
 Hydrogen
 Formaldehyde
 Silicon Oxides.

11 Toxicological information

· **Information on toxicological effects**

· **Acute toxicity:** Based on available data, the classification criteria are not met.

· **LD/LC50 values that are relevant for classification:**

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Oral	LD50	3000 mg/kg (mouse)
Inhalative	LC50/4h	800 mg/m ³ (mouse)

· **Primary irritant effect:**

· **On the skin:** Based on available data, the classification criteria are not met.
 · **On the eye:** Based on available data, the classification criteria are not met.
 · **Sensitization:** No sensitizing effects known.

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

Substance is not listed.

· **NTP (National Toxicology Program):**

Substance is not listed.

· **OSHA-Ca (Occupational Safety & Health Administration):**

Substance is not listed.

· **Probable route(s) of exposure:**

Ingestion.
 Inhalation.
 Eye contact.
 Skin contact.

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- **Acute effects (acute toxicity, irritation and corrosivity):** No relevant information available.
- **Repeated dose toxicity:** No relevant information available.
- **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.
- **Carcinogenicity:** Based on available data, the classification criteria are not met.
- **Reproductive toxicity:** 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.
- **Aspiration hazard:** Based on available data, the classification criteria are not met.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity** No relevant information available.
- **Persistence and degradability** No relevant information available.
- **Bioaccumulative potential:** No relevant information available.
- **Mobility in soil:** No 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.
At present there are no ecotoxicological assessments.
- **Other adverse effects** No relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of 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.
- **Uncleaned packagings**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **UN-Number**
- **DOT, ADR/RID/ADN, IMDG, IATA** UN1993

- **UN proper shipping name**



Limited Quantity for packages less than 30 kg (66 lb) and inner packagings less than 1 L (0.3 gal).

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· DOT, IATA	Flammable liquid n.o.s. (tetramethyldisiloxane)
· ADR/RID/ADN	1 9 9 3 F L A M M A B L E L I Q U I D , N . O . S . (tetramethyldisiloxane)
· IMDG	F L A M M A B L E L I Q U I D , N . O . S . (tetramethyldisiloxane)

· **Transport hazard class(es)**

· DOT



· Class	3
· Label	3

· ADR/RID/ADN



· Class	3 (F1)
· Label	3

· IMDG, IATA



· Class	3
· Label	3

· **Packing group**

· DOT, ADR/RID/ADN, IMDG, IATA	II
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· **Environmental hazards**

· Marine pollutant:	No
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· **Special precautions for user**

Warning: Flammable liquids

· **Danger code (Kemler):**

33

· **EMS Number:**

F-E, S-E

· **Transport in bulk according to Annex II of**

MARPOL73/78 and the IBC Code	Not applicable.
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15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **United States (USA)**

· **SARA**

· **Section 302 (extremely hazardous substances):**

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Substance is not listed.

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

Substance is not listed.

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

Substance is not listed.

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

All ingredients are listed or exempt.

· **Proposition 65 (California)**

· **Chemicals known to cause cancer:**

Substance is not listed.

· **Chemicals known to cause developmental toxicity for females:**

Substance is not listed.

· **Chemicals known to cause developmental toxicity for males:**

Substance is not listed.

· **Chemicals known to cause developmental toxicity:**

Substance is not listed.

· **EPA (Environmental Protection Agency):**

Substance is not listed.

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

Substance is not listed.

· **Canadian Domestic Substances List (DSL):**

Substance is not listed.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Abbreviations and acronyms:**

ADR: 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

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

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

OSHA: Occupational Safety & Health Administration

Flam. Liq. 2: Flammable liquids – Category 2

· **Sources**

SDS Prepared by:

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