

Product name: TEGO® Glide 110

SAFETY DATA SHEET

Classified in accordance with Health Canada Hazardous Products Regulations
(SOR/2015-17)

1. Identification

Product identifier:
TEGO® Glide 110

Chemical name:
Polydimethylsiloxane with polyether groups

Recommended use of the chemical and restrictions on use

Recommended use: Industrial use
Recommended restrictions: None known.

Manufacturer/Importer/Distributor Information

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Canada

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Emergency : 800 681 9531 (CHEMTREC MEXICO)
+1 703 527 3887 (CHEMTREC WORLD)
+1 613 996 6666 (CANUTEC – For Transportation Emergencies Only)
+1 973 929 8060 (Product Regulatory Services)

2. Hazard identification

Hazard Classification According to Hazardous Products Regulations

Physical Hazards

Flammable liquids Category 4

Health Hazards

Reproductive toxicity Category 2

Environmental Hazards

Chronic hazards to the aquatic environment Category 2

Label Elements

Product name: TEGO® Glide 110
Hazard Symbol:

Signal Word: Warning

Hazard Statement: Combustible liquid.
 Toxic to aquatic life with long lasting effects.

Precautionary Statements
Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

Response: IF exposed or concerned: Get medical advice/attention. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction. Collect spillage.

Storage: Store in a well-ventilated place. Keep cool. Store locked up.

Disposal: Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.

Physical Hazards Not Otherwise Classified: Classification not possible

Health Hazards Not Otherwise Classified: Classification not possible

3. Composition/information on ingredients

Chemical name:
 Polydimethylsiloxane with polyether groups

Substances
Composition information of impurities and stabilizers

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)* Reference quantity: Fraction (Weight)
octamethylcyclotetrasiloxane	No data available.	556-67-2	1 - 5%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Description of necessary first-aid measures
General information: Remove soiled or soaked clothing immediately

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Inhalation:	fresh air supply, consult a doctor if feeling unwell.
Skin Contact:	In case of contact with skin wash off with soap and water. In case of discomfort: Supply with medical care.
Eye contact:	In case of contact with eyes rinse thoroughly with plenty of water. If symptoms persist, seek medical advice.
Ingestion:	Thoroughly clean the mouth with water In case of discomfort: Supply with medical care.
Personal Protection for First-aid Responders:	No data available.

Most important symptoms/effects, acute and delayed

Symptoms:	No special hints.
Hazards:	No data available.

Indication of immediate medical attention and special treatment needed

Treatment:	Treat symptomatically.
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5. Fire-fighting measures

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media:	Foam, carbon dioxide or dry powder.
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Unsuitable extinguishing media:	High volume water jet.
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Specific hazards arising from the chemical:	In the event of fire the following can be released: - Carbon monoxide, carbon dioxide, silicon dioxide
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Special protective equipment and precautions for firefighters

Special fire fighting procedures:	Keep away from sources of ignition - no smoking. Take action to prevent static discharges. Cool endangered containers by water spray Vapours may form explosive mixtures with air.
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Special protective equipment for fire-fighters:	Do not inhale explosion and/or combustion gases. Self-contained breathing apparatus.
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6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:	Use personal protective equipment. Ensure adequate ventilation. Keep away from sources of ignition - no smoking. High risk of slipping due to leakage/spillage of product
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Methods and material for containment and cleaning up:	Take up with absorbent material (eg sand, kieselguhr, universal binder) Dispose of absorbed material in accordance with the regulations.
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Environmental Precautions:	Do not allow to enter drains or waterways Do not discharge into the subsoil/soil.
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Product name: TEGO® Glide 110**7. Handling and storage****Handling****Technical measures (e.g. Local and general ventilation):** No data available.**Safe handling advice:** Do not inhale gases/vapours/aerosols. Avoid contact with skin and eyes.No special measures necessary if stored and handled as prescribed.**Contact avoidance measures:** No data available.**Storage****Safe storage conditions:** No data available.**Safe packaging materials:** No data available.**8. Exposure controls/personal protection****Control Parameters****Occupational Exposure Limits**

None of the components have assigned exposure limits.

Biological Limit Values

No biological exposure limits noted for the ingredient(s).

Appropriate Engineering Controls No data available.**Individual protection measures, such as personal protective equipment****Eye/face protection:** Safety glasses**Skin Protection****Hand Protection:** Additional Information: gloves made of butyl (IIR), gloves made of nitril (NBR)**Other:** protective clothing**Respiratory Protection:** in case of formation of vapours/aerosols: Short term: filter apparatus, combination filter A-P2**Hygiene measures:** Do not eat, drink or smoke when working. Wash hands before breaks and immediately after handling the product. Remove soiled or soaked clothing immediately.**9. Physical and chemical properties****Information on basic physical and chemical properties****Appearance****Physical state:** liquid**Form:** liquid**Color:** yellowish**Odor:** Slight**Odor Threshold:** not measured**Freezing point:** 50 °F/10 °C**Boiling Point:** not measured**Flammability:** No data available.

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Upper/lower limit on flammability or explosive limits

Explosive limit - upper:	not measured
Explosive limit - lower:	not measured
Flash Point:	156 °F/69 °C
Self Ignition Temperature:	743 °F/395 °C
Decomposition Temperature:	not measured
pH:	5 - 6 (77 °F/25 °C)
Viscosity	
Dynamic viscosity:	140 - 400 mPa.s (77 °F/25 °C)
Kinematic viscosity:	No data available.
Flow Time:	Not applicable
Solubility(ies)	
Solubility in Water:	Insoluble
Solubility (other):	not measured
Partition coefficient (n-octanol/water):	not measured
Vapor pressure:	not measured
Relative density:	No data available.
Density:	1.02 - 1.04 g/cm ³ (77 °F/25 °C) (DIN 51757)
Bulk density:	Not applicable
Relative vapor density:	not measured
Particle characteristics	
Particle Size Distribution:	Not applicable
Specific surface area:	Not applicable
Surface charge/Zeta potential:	Not applicable
Assessment:	Not applicable
Shape:	Not applicable
Crystallinity:	Not applicable
Surface treatment:	Not applicable

Other information

Explosive properties:	not measured
Oxidizing properties:	not measured
Minimum ignition temperature:	not measured
Metal Corrosion:	not measured

10. Stability and reactivity

Reactivity:	see section "Possibility of hazardous reactions".
Chemical Stability:	The product is stable under normal conditions.
Possibility of hazardous reactions:	No hazardous reactions with proper storage and handling
Conditions to avoid:	Unknown
Incompatible Materials:	Unknown
Hazardous Decomposition Products:	in the presence of air small amounts of formaldehyde are evolved due to oxidative decomposition when heated to and above 150°C.

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11. Toxicological information

Information on likely routes of exposure

Inhalation:	If handled correctly, not a relevant route of exposure. Information on effects are given below.
Skin Contact:	Relevant route of exposure. Information on effects are given below.
Eye contact:	Relevant route of exposure. Information on effects are given below.
Ingestion:	If handled correctly, not a relevant route of exposure. Information on effects are given below.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral

Product: LD 50 (Rat): > 2,000 mg/kg (OECD 423)

Dermal

Product: No data available.
Acute toxicity estimate: > 5,000 mg/kg (Calculation method)
Not classified for acute toxicity based on available data.

Inhalation

Product: No data available.
Not classified for acute toxicity based on available data.

Repeated dose toxicity

Product: No data available.

Skin Corrosion/Irritation

Product: Non-Irritating
OECD 439 Non-Irritating;

Serious Eye Damage/Eye Irritation

Product: No data available.

Respiratory or Skin Sensitization

Product: No data available.

Carcinogenicity

Product: No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogens present or none present in regulated quantities

ACGIH: US.ACGIH Threshold Limit Values:

No carcinogens present or none present in regulated quantities
No carcinogens present or none present in regulated quantities

US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogens present or none present in regulated quantities

Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2), as amended

No carcinogens present or none present in regulated quantities

Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act), as amended

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No carcinogens present or none present in regulated quantities

Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended

No carcinogens present or none present in regulated quantities

Germ Cell Mutagenicity
In vitro

Product: No data available.
Components:
 octamethylcyclotetrasiloxane
 Ames test (OECD 471): negative
 Chromosomal aberration (OECD 473): negative
 gene mutation test (OECD 476): negative

In vivo

Product: No data available.
Components:
 octamethylcyclotetrasiloxane
 Micronucleus test (OECD 474) Inhalation - vapor (Rat): negative
 Chromosomal aberration (OECD 478) Oral (Rat): negative
 Chromosomal aberration (OECD 475) Inhalation - vapor (Rat, Female, Male): negative

Reproductive toxicity

Product: No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Aspiration Hazard

Product: Not classified

Information on health hazards
Other hazards

Product: Proper use provided, no adverse health effects have been observed or have been come to our knowledge. Possible due to the composition of the product: Irritating to eyes.;

12. Ecological information

Ecotoxicity:
Acute hazards to the aquatic environment:
Fish

Product: No data available.

Aquatic Invertebrates

Product: EL50 (Daphnia magna, 48 h): > 100 mg/l Only a limit concentration was tested (LIMIT test).
 NOEL (Daphnia magna, 48 h): 100 mg/l Only a limit concentration was tested (LIMIT test).

Toxicity to Aquatic Plants

Product: No data available.
Components:
 octamethylcyclotetrasiloxane EC 50 (Algae (Pseudokirchneriella subcapitata), 96 h): > 22 µg/l (US-EPA-

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ane method)
 EC 50 (Algae (*Pseudokirchneriella subcapitata*), 96 h): > 22 µg/l (US-EPA-method)

Toxicity to microorganisms

Product: No data available.

Chronic hazards to the aquatic environment:
Fish

Product: No data available.

Aquatic Invertebrates

Product: No data available.

Toxicity to Aquatic Plants

Product: NOEC (*Desmodesmus subspicatus* (green algae), 72 h): 100 mg/l (OECD 201) The product was tested above its maximum solubility.

Toxicity to microorganisms

Product: No data available.

Persistence and Degradability
Biodegradation

Product: No data available.

BOD/COD Ratio

Product: No data available.

Bioaccumulative potential
Bioconcentration Factor (BCF)

Product: No data available.

Partition Coefficient n-octanol / water (log Kow)

Product: Log Kow: not measured

Mobility in soil:

Product No data available.

Results of PBT and vPvB assessment:

Product No data available.

Other adverse effects:
Other hazards

Product: No data available.

13. Disposal considerations

Disposal methods:

In accordance with local authority regulations, take to special waste incineration plant

Contaminated Packaging:

If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.

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14. Transport information

Domestic regulation

TDG

Not regulated as a dangerous good

Remarks : FOR USA ONLY: In packagings > 450 L this Product must be classified, placarded, marked and shipped as Combustible Liquid in the USA.
FOR USA ONLY: In packagings > 450 L this Product must be classified, placarded, marked and shipped as Combustible Liquid in the USA.

International Regulations

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

15. Regulatory information

Canada Federal Regulations

List of Toxic Substances (CEPA, Schedule 1)

Chemical Identity

octamethylcyclotetrasiloxane

Export Control List (CEPA 1999, Schedule 3)

Not Regulated

National Pollutant Release Inventory (NPRI)

Canada. National Pollutant Release Inventory (NPRI) Substances, Part 5, VOCs with Additional Reporting Requirements

NPRI PT5 Not Regulated

Canada. National Pollutant Release Inventory (NPRI) (Schedule 1, Parts 1-4)

NPRI Not Regulated

Greenhouse Gases

Not Regulated

Canada. Substances Subject to Significant New Activity (SNAc) Reporting Requirements

Not Regulated

Controlled Drugs and Substances Act

CA CDSI Not Regulated

CA CDSII Not Regulated

CA CDSIII Not Regulated

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CA CDSIV	Not Regulated
CA CDSV	Not Regulated
CA CDSVII	Not Regulated
CA CDSVIII	Not Regulated

Precursor Control Regulations
 Not Regulated

Inventory Status:

US TSCA Inventory:	Included on Inventory.	
Canada DSL Inventory List:	Included on Inventory.	

16. Other information, including date of preparation or last revision
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Version #: 1.1

Further Information: No data available.

Revision Information: Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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