

Product name: TEGO® Glide 100

SAFETY DATA SHEET

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

1. Identification

Product identifier:
TEGO® Glide 100

Chemical name:
Polyether-modified polysiloxane

Recommended use of the chemical and restrictions on use

Recommended use: Industrial use
Recommended restrictions: None known.

Manufacturer/Importer/Distributor Information

Company Name : Evonik Canada Inc.
3380 South Service Road
L7N 3J5 Burlington ON
Canada

Telephone : +1 905 336 3423

Fax : +1 905 332 5632

E-mail : product-regulatory-services@evonik.com

Emergency telephone number:

24-Hour Health : +1 800 424 9300 (CHEMTREC - US & CANADA)
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

Environmental Hazards

Chronic hazards to the aquatic environment Category 3

Label Elements

Hazard Symbol: No symbol

Signal Word: No signal word.

Hazard Statement: Harmful to aquatic life with long lasting effects.

Product name: TEGO® Glide 100
Precautionary Statements

Prevention: Avoid release to the environment.

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:
 Polyether-modified polysiloxane

Mixtures

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)* Reference quantity: Fraction (Weight)
propane-1,2-diol	No data available.	57-55-6	1 - 5%
octamethylcyclotetrasiloxane	No data available.	556-67-2	0 - 0.1%

* 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

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 water. In case of discomfort: Supply with medical care.

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 and effects, both acute and delayed

Symptoms: Up to now no symptoms are known.

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, dry powder, water spray.

Unsuitable extinguishing media: High volume water jet.

Special hazards arising from the substance or mixture: In the event of fire the following can be released: - Carbon monoxide, carbon dioxide, silicon dioxide Under certain conditions of combustion traces of other toxic substances cannot be excluded

Special protective equipment and precautions for firefighters

Special fire fighting procedures: No specific precautions.

Special protective equipment for fire-fighters: Do not inhale explosion and/or combustion gases. Self-contained breathing apparatus.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment.

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.

Environmental Precautions: Do not allow to enter drains or waterways Prevent product from getting into subsoil/soil.

7. Handling and storage**Handling**

Technical measures (e.g. Local and general ventilation): No data available.

Safe handling advice: Ensure adequate ventilation. Do not inhale gases/vapours/aerosols. Avoid contact with skin and eyes.

Contact avoidance measures: No data available.

Storage

Safe storage conditions: Keep container tightly closed in a cool, well-ventilated place.

Safe packaging materials: No data available.

8. Exposure controls/personal protection**Control Parameters****Occupational Exposure Limits**

Product name: TEGO® Glide 100

Chemical Identity	Type	Exposure Limit Values		Source
propane-1,2-diol - Aerosol.	TWA		10 mg/m ³	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended
propane-1,2-diol - Vapor and aerosol.	TWA	50 ppm	155 mg/m ³	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended

Please refer to the latest edition of the appropriate source text and consult an industrial hygienist or similar professional, or local agencies, for further information.

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: Material: Nitrile rubber.
Break-through time: 480 min

Other: protective clothing

Respiratory Protection: in case of formation of vapours/aerosols: Short term: filter apparatus, combination filter A-P2

Hygiene measures: When using do not eat, drink or smoke. 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: faint inherent odor

Odor Threshold: not measured

Freezing point: not measured

Boiling Point: not measured

Flammability: not measured

Upper/lower limit on flammability or explosive limits

Explosive limit - upper: not measured

Explosive limit - lower: not measured

Flash Point: 234 °F/112 °C (DIN EN ISO 2719)

Self Ignition Temperature: not measured

Decomposition Temperature: not measured

pH: 9.5 - 10.5 (40 g/l, 68 °F/20 °C) in Water

Viscosity

Dynamic viscosity: 900 - 1,300 mPa.s (77 °F/25 °C)

Kinematic viscosity: 865 - 1250 mm²/s (77 °F/25 °C, calculated)

Flow Time: No data available.

Solubility(ies)

Product name: TEGO® Glide 100

Solubility in Water:	Soluble
Solubility (other):	not measured
Partition coefficient (n-octanol/water):	not measured
Vapor pressure:	not measured
Relative density:	not measured
Density:	1.02 - 1.04 g/cm ³ (68 °F/20 °C)
Bulk density:	No data available.
Relative vapor density:	not measured

Particle characteristics

Particle Size:	No data available.
Particle Size Distribution:	No data available.
Specific surface area:	No data available.
Surface charge/Zeta potential:	No data available.
Shape:	No data available.
Crystallinity:	No data available.
Surface treatment:	No data available.

Other information

Explosive properties:	not measured
Oxidizing properties:	not oxidizing
Minimum ignition temperature:	not measured
Metal Corrosion:	Not corrosive to metals
Evaporation Rate:	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:	None with proper storage and handling.
Incompatible Materials:	Not known.
Hazardous Decomposition Products:	None with proper storage and handling.

11. Toxicological information**Information on toxicological effects****Information on likely routes of exposure**

Inhalation:	Information on effects are given below.
Skin Contact:	Information on effects are given below.
Eye contact:	Information on effects are given below.
Ingestion:	Information on effects are given below.

Product name: TEGO® Glide 100

Acute toxicity (list all possible routes of exposure)

Oral

Product: Not classified for acute toxicity based on available data.

Dermal

Product: LD 50 (ATEmix): > 5,000 mg/kg

Inhalation

Product: Not classified for acute toxicity based on available data.

Repeated dose toxicity

Product: No data available.

Skin Corrosion/Irritation

Product: No data available.

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

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

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

No data available.

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:

Product name: TEGO® Glide 100

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
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Reproductive toxicity

Product:	No data available.
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Specific Target Organ Toxicity - Single Exposure

Product:	No data available.
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Specific Target Organ Toxicity - Repeated Exposure

Product:	No data available.
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Aspiration Hazard

Product:	Not classified
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Information on health hazards
Other hazards

Product:	No data available.
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12. Ecological information

Ecotoxicity:
Acute hazards to the aquatic environment:
Fish

Product:	No data available.
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Aquatic Invertebrates

Product:	No data available.
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Toxicity to Aquatic Plants

Product:	No data available.
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Components:

propane-1,2-diol	EC 50 (Scenedesmus capricornutum (fresh water algae), 72 h): 24,200 mg/l Literature EC 50 (Algae (Pseudokirchneriella subcapitata), 96 h): 19,000 mg/l (OECD 201) EC 50 (Skeletonema costatum (marine diatom), 96 h): 19,100 mg/l (OECD 201)
octamethylcyclotetrasiloxane	EC 50 (Algae (Pseudokirchneriella subcapitata), 96 h): > 22 µg/l (US-EPA-method) EC 50 (Algae (Pseudokirchneriella subcapitata), 96 h): > 22 µg/l (US-EPA-method)

Toxicity to microorganisms

Product:	No data available.
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Chronic hazards to the aquatic environment:
Fish

Product:	No data available.
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Aquatic Invertebrates

Product:	No data available.
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Toxicity to Aquatic Plants

Product:	No data available.
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Product name: TEGO® Glide 100

Components:

octamethylcyclotetrasiloxane NOEC (Algae (*Pseudokirchneriella subcapitata*), 96 h): < 22 µg/l (US-EPA-method)

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: Do not allow to enter soil, waterways or waste water canal.

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.

14. Transport information

Domestic regulation

TDG

Not regulated as a dangerous good

International Regulations

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Product name: TEGO® Glide 100

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 Toluene

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

CA CDSIV Not Regulated

CA CDSV Not Regulated

CA CDSVII Not Regulated

CA CDSVIII Not Regulated

Precursor Control Regulations

Chemical Identity

Toluene

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

Issue Date: 02/07/2022

Product name: TEGO® Glide 100

Version #: 2.0

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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