

SAFETY DATA SHEET

Classified in accordance 29 CFR 1910.1200

1. Identification

Product identifier: TEGO GLIDE 407

Chemical name:
Phenyl-Methyl-Polysiloxane

Other means of identification

Recommended restrictions

Recommended use: Industrial Use
Restrictions on use: None known.

Manufacturer/Importer/Distributor Information

Company Name : Evonik Corporation
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Parsippany, NJ 07054
USA

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Emergency telephone number:

24-Hour Health : +1 800 424 9300 (CHEMTREC - US & CANADA)
Emergency : +1 800 681 9531 (CHEMTREC MEXICO)
+1 703 527 3887 (CHEMTREC WORLD)

2. Hazard(s) identification

Hazard Classification

Physical Hazards

Flammable liquids Category 4

Health Hazards

Toxic to reproduction Category 2

Label Elements

Hazard Symbol:



Signal Word:	Warning
Hazard Statement:	Combustible liquid. Suspected of damaging fertility or the unborn child.
Precautionary Statements	
Prevention:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Wear protective gloves/protective clothing/eye protection/face protection.
Response:	IF exposed or concerned: Get medical advice/attention. In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.
Storage:	Store in a well-ventilated place. Keep cool. Store locked up.
Disposal:	Dispose of contents/ container to an approved waste disposal plant.
Hazard(s) not otherwise classified (HNOC):	None.

3. Composition/information on ingredients

Chemical name:

Phenyl-Methyl-Polysiloxane

Substances

Chemical Identity	CAS number	Content in percent (%) [*]
Octamethylcyclotetrasiloxane	556-67-2	>=2.5 - <5%

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

Composition information of impurities and stabilizers

Chemical Identity	CAS number	Content in percent (%) [*]
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Composition information of impurities and stabilizers

Chemical Identity	CAS number	Content in percent (%) [*]
Octamethylcyclotetrasiloxane	556-67-2	>=1 - <5%
Decamethylcyclopentasiloxane	541-02-6	>=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 contaminated, soaked clothing immediately and dispose of safely.
Inhalation:	Remove individual from site of exposure to fresh air.

Skin Contact:	Immediately and thoroughly, wash off with soap and water.
Eye contact:	Flush eye(s) for 15 minutes or more; if irritation persists, consult a physician (preferably an eye specialist) and show MSDS.
Ingestion:	If swallowed, seek medical attention and show MSDS.
Personal Protection for First-aid Responders:	As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

Most important symptoms/effects, acute and delayed

Symptoms:	No information is on file to date regarding acute and/or delayed post-exposure symptoms and effects.
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:	Not applicable

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
Special protective equipment for fire-fighters:	As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:	Use personal protective equipment. Keep away sources of ignition.
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 Do not discharge into the subsoil/soil.

7. Handling and storage

Handling

Technical measures (e.g. Local and general ventilation):	Good general (mechanical) ventilation should be sufficient to control airborne levels.
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Safe handling advice:	Do not inhale vapours Avoid contact with skin and eyes.Wear respiratory protection when spraying. Provide good ventilation of working area (local exhaust ventilation if necessary).
Contact avoidance measures:	No data available.
Hygiene measures:	No smoking, eating or drinking allowed when using this product. Wash hands before breaks and at end of work shift.

Storage

Safe storage conditions:	Keep container closed.
Safe packaging materials:	No data available.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Hazardous components without workplace control parameters

Appropriate Engineering Controls	Good general (mechanical) ventilation should be sufficient to control airborne levels.
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Individual protection measures, such as personal protective equipment

Eye/face protection: Safety Goggles recommended for use.

Skin Protection

Hand Protection:

Material: gloves made of nitril (NBR)
 Break-through time: 480 min
 Material: gloves made of natural latex
 Break-through time: 480 min
 Material: gloves made of chloroprene (CR, e.g. Neoprene)
 Break-through time: 480 min
 Material: gloves made of butyl (IIR)
 Break-through time: 480 min

Skin and Body Protection:

Light protective clothing is required.

Respiratory Protection: In case of vapors/aerosols, use short term filter apparatus, filter A-P2.

Hygiene measures: No smoking, eating or drinking allowed when using this product. Wash hands before breaks and at end of work shift.

9. Physical and chemical properties

Appearance

Physical state:	liquid
Form:	liquid
Color:	Colorless
Odor:	Characteristic
Odor Threshold:	not measured
pH:	Not applicable
Freezing point:	not measured
Boiling Point:	not measured
Flash Point:	> 154 °F (TAG CC)

Evaporation Rate:	not measured
Flammability (solid, gas):	no data available
Explosive limit - upper (%):	not measured
Explosive limit - lower (%):	not measured
Vapor pressure:	not measured
Vapor density (air=1):	not measured
Density:	0.97 - 0.99 g/cm ³ (25 °C) (DIN 51757)
Relative density:	No data available.
Solubility(ies)	
Solubility in Water:	Insoluble
Solubility (other):	not measured
Partition coefficient (n-octanol/water):	not measured
Self Ignition Temperature:	not measured
Decomposition Temperature:	not measured
Kinematic viscosity:	No data available.
Dynamic viscosity:	25 - 45 mPa.s (25 °C, DIN 53015 (Höppler))
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 Unknown
Incompatible Materials:	Unknown
Hazardous Decomposition Products:	None with proper storage and handling.

11. Toxicological information

Information on likely routes of exposure

Inhalation:	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.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation:	No data available.
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Skin Contact: No data available.

Eye contact: No data available.

Ingestion: No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral

Product: Acute toxicity estimate: > 5,000 mg/kg

Dermal

Product: Acute toxicity estimate: 2,765 mg/kg

Inhalation

Product: no data available

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

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

No carcinogens present or none present in regulated quantities

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

No carcinogens present or none present in regulated quantities

Germ Cell Mutagenicity

In vitro

Product: No data available.

Components:

Octamethylcyclotetrasiloxane
 gene mutation (OECD 471): negative
 gene mutation (OECD 476): negative
 Chromosomal aberration (OECD 473): negative

Octamethylcyclotetrasiloxane
 gene mutation (OECD 471): negative
 gene mutation (OECD 476): negative
 Chromosomal aberration (OECD 473): negative

Decamethylcyclopentasiloxane
 gene mutation (OECD 471): negative
 gene mutation (OECD 476): negative
 Chromosomal aberration (OECD 473): negative
 DNA damage and/or repair: negative

In vivo

Product: No data available.

Components:

Octamethylcyclotetrasiloxane
 Micronucleus test (OECD 474) inhalative (Rat): negative
 Chromosomal aberration (OECD TG 478) Oral (Rat): negative

Octamethylcyclotetrasiloxane
 Micronucleus test (OECD 474) inhalative (Rat): negative
 Chromosomal aberration (OECD TG 478) Oral (Rat): negative

Decamethylcyclopentasiloxane
 Micronucleus test (OECD 474) Inhalation (Rat, male and female): negative
 DNA damage and/or repair (OECD 486) Inhalation (Rat, male and female): 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

Other effects:

Proper use provided, no adverse health effects have been observed or have been come to our knowledge. Eye contact may produce an oil film over the eye-ball causing a harmless reversible shortlasting dimness of sight.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product: No data available.

Aquatic Invertebrates**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:** 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:**

No data available.

Components:

Octamethylcyclotetrasiloxane No data available.

Components:

Octamethylcyclotetrasiloxane No data available.

Decamethylcyclopentasiloxane No data available.

Other adverse effects:

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****49 CFR**

Not regulated as a dangerous good

Remarks : For USA only: This product is not regulated in packages < 119 gallons / 450 L. In bulk packages this products is a Combustible Liquid, NA1993.

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

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Chemical Identity

Octamethylcyclotetrasiloxane

Reportable quantity

De minimis concentration: 1.0% One-Time Export Notification only.

US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)

None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity

Ethanol
Cyclohexane

Reportable quantity

100 lbs.
1000 lbs.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Flammable (gases, aerosols, liquids, or solids), Reproductive toxicity

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances

SARA 311/312 Hazardous Chemical

<u>Chemical Identity</u>	<u>Threshold Planning Quantity</u>
<u>Chemical Identity</u>	<u>Threshold Planning Quantity</u>

SARA 313 (TRI Reporting)

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

US State Regulations
US. California Proposition 65


WARNING: This product can expose you to chemicals including, Ethanol, which is [are] known to the State of California to cause cancer and birth defects or other reproductive harm.

US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity
 Ethanol

US. Massachusetts RTK - Substance List

No ingredient regulated by MA Right-to-Know Law present.

US. Pennsylvania RTK - Hazardous Substances

No ingredient regulated by PA Right-to-Know Law present.

US. Rhode Island RTK

No ingredient regulated by RI Right-to-Know Law present.

Inventory Status:

US TSCA Inventory:	Included on Inventory.
Canada DSL Inventory List:	Not in compliance with the inventory.
Canada NDSL Inventory:	Included on Inventory.

16. Other information, including date of preparation or last revision
HMIS Hazard ID

Health	2
Flammability	2
Physical Hazards	0
PERSONAL PROTECTION	X

Ask supervisor or safety specialist for handling instructions

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible; *Chronic health effect

Issue Date: 03/15/2019

Version #: 1.0

Further Information: CTFA: complies

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

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