

SAFETY DATA SHEET

1. Identification

Product identifier: TEGO® Hammer 300.000

Chemical name: Dimethyl Polysiloxane, Polydimethylsiloxane oil

Other means of identification

Recommended use: Industrial use

Recommended restrictions: None known.

Manufacturer/Importer/Distributor Information

Company Name : Evonik Australia Pty Ltd
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Emergency : +1 703 527 3887 (CHEMTREC WORLD)

2. Hazard(s) identification

Classification according to GHS

Health Hazards

Acute toxicity (Dermal) Category 5

Label Elements

Hazard Symbol: No symbol

Signal Word: Warning

Hazard Statement: May be harmful in contact with skin.

Precautionary Statements

Response: Call a POISON CENTER or doctor/ physician if you feel unwell.

Other hazards: None known.

3. Composition/information on ingredients

Chemical name:

Dimethyl Polysiloxane, Polydimethylsiloxane oil

Substances

General information: No hazardous ingredients.

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 Do not induce vomiting. 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: No special hints.

Hazards: No data available.

Indication of immediate medical attention and special treatment needed

Treatment: Treat symptomatically.

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 dioxide, carbon monoxide Under certain conditions of combustion traces of other toxic substances cannot be excluded

Special protective equipment and precautions for fire-fighters
Special fire-fighting procedures:

Keep away from sources of ignition - no smoking. Take action to prevent static discharges.

Special protective equipment for fire-fighters:

Self-contained breathing apparatus. Do not inhale explosion and/or combustion gases.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment. High risk of slipping due to leakage/spillage of product

Accidental release measures:

No data available.

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:

Avoid contact with skin and eyes. Do not inhale gases/vapours/aerosols. Provide good ventilation of working area (local exhaust ventilation if necessary). Avoid formation of aerosol.

Contact avoidance measures:

No data available.

Storage
Safe storage conditions:

Incompatible with oxidizing agents. Keep away from heat. Keep away from direct sunlight. Keep container tightly closed and dry in a cool, well-ventilated place

Safe packaging materials:

No data available.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Observe national threshold limit values.

Biological Limit Values

Observe national threshold limit values.

Appropriate Engineering Controls

No data available.

Individual protection measures, such as personal protective equipment
General information:

No data available.

Eye/face protection:

goggles with side pieces

Skin Protection
Hand Protection:

 Material: Nitrile rubber.
 Glove thickness: 1.25 mm
 Additional Information: Prolonged or repeated contact:
 Material: Nitrile.
 Glove thickness: 0.198 mm
 Additional Information: Brief contact only:

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:

viscous

Color:

Colorless

Odor:

Odorless

Odor Threshold:

not measured

Freezing point:

Approximate -49 °F/-45 °C

Boiling Point:

not measured

Flammability:

No data available.

Upper/lower limit on flammability or explosive limits
Explosive limit - upper:

not measured

Explosive limit - lower:

not measured

Flash Point:

> 572 °F/> 300 °C (Closed Cup)

Self Ignition Temperature:

> 752 °F/> 400 °C

Decomposition Temperature:

> 392 °F/> 200 °C

pH:

Not applicable

Viscosity

Dynamic viscosity:	Approximate 300,000 mPa.s (77 °F/25 °C)
Kinematic viscosity:	300000 mm ² /s (77 °F/25 °C)
Flow Time:	No data available.

Solubility(ies)

Solubility in Water:	Slightly Soluble
Solubility (other):	Ethanol.: Slightly Soluble acetone: Slightly Soluble Hydrocarbons.: miscible

Partition coefficient (n-octanol/water):

not measured

Vapor pressure:

< 0.1 hPa (68 °F/20 °C)

Relative density:

Approximate 0.978 (77 °F/25 °C)

Density:Approximate 0.978 g/cm³ (77 °F/25 °C)**Bulk density:**

No data available.

Relative vapor density:

No data available.

Other information

Explosive properties:	not measured
Oxidizing properties:	No data available.
Minimum ignition temperature:	not measured
Metal Corrosion:	not measured
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 dangerous reactions known.
Conditions to avoid:	To avoid thermal decomposition, do not overheat.
Incompatible Materials:	Strong oxidizing agents.
Hazardous Decomposition Products:	None with proper storage and handling. Hazardous decomposition products: carbon monoxide, carbon dioxide silicic acid

11. Toxicological information**Information on toxicological effects****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.

Acute toxicity (list all possible routes of exposure)

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

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

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

Repeated dose toxicity
Product: NOAEL (Rat(Male), Oral): 10,000 mg/kg
NOAEL (Rat(female), Oral): 11,000 mg/kg

Skin Corrosion/Irritation
Product: Not irritant
(Rabbit): Not irritating;

Serious Eye Damage/Eye Irritation
Product: Not irritant
(Rabbit): Not irritating;

Respiratory or Skin Sensitization
Product: Non sensitising

Carcinogenicity
Product: Non sensitising
No evidence that cancer may be caused.

Germ Cell Mutagenicity

No data available.

In vitro
Product: No data available.

In vivo
Product: No data available.

Reproductive toxicity
Product: Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity - Single Exposure
Product: Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity - Repeated Exposure

Product: Based on available data, the classification criteria are not met.

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.;

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product: No data available.

Aquatic Invertebrates

Product: No data available.

Toxicity to Aquatic Plants

Product: No data available.

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: No data available.

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: Does not bioaccumulate.

Partition Coefficient n-octanol / water (log Kow)

Product: Log Kow: not measured

Mobility in soil:

Product No data available.

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

ADG

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

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

International regulations

Montreal protocol

Not applicable

Stockholm convention

Not applicable

Rotterdam convention

Not applicable

Kyoto protocol

Not applicable

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

Issue Date: 09.05.2022

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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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