SAFETY DATA SHEET

TECSIFLEX WP1810

Issue date: October 21, 2025

Silicone-based water repellent (polydimethylsiloxane)

1. Identification of the substance/mixture and of the company/undertaking

Product identifier

Product name	Silicone-based water repellent (Polydimethylsiloxane)
Reference	TECSIFLEX WP1810
Synonyms	-
CAS No.	-
EC No.	-
Molecular formula	-
REACH registration number	-
Additional identification	Nanoform is NOT covered by this SDS.
UFI	N/A

Relevant identified uses and uses advised against

Relevant identified uses	Please consult manufacturer.
Uses advised against	Please consult manufacturer.

Details of the supplier

Name of the company	TLA GROUP
Address of the company	+57 310 7459601
Telephone	
E-mail	customservicetlagroup.com

2. Hazards identification

CLP classification according to Regulation (EC) No. 1272/2008. According to Regulation (EC) No 1272/2008 and its amendments, not classified as a dangerous substance.

Label elements

Hazard pictograms	Not applicable
Signal word	Not applicable

Hazard statements

Hazard statements	Not applicable

Precautionary statements

Prevention	Not applicable
Response	Not applicable
Storage	Not applicable
Disposal	Not applicable

Other hazards	Not applicable

3. Composition / information on ingredients

Component	CAS No.	EC No.	Index No.	Hazard classification according to CLP	Specific conc. limits / M-factors / ATE	Concentration (weight %)
Poly(dimethylsiloxane)	63148-62-9	-	-	Not Classified	-	100%

4. First aid measures

Description of first aid measures

General advice	Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician if discomfort persists.
Skin contact	Take off contaminated clothing and shoes immediately. Wash off with plenty of water for at least 15 minutes and consult a physician if discomfort persists.
Ingestion	Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.
Inhalation	Move victim into fresh air. If breathing is difficult, give oxygen. Do not use mouth-to-mouth resuscitation if the victim ingested or inhaled the substance. If not breathing, give artificial respiration and consult a physician immediately.
Protection of first-aiders	Ensure that medical personnel are aware of the substance involved and take precautions to protect themselves and prevent spread of contamination.

Most important symptoms and effects, both acute and delayed

Substanceaccumulationinthehumanbodymayoccurandmaycausesome concern following repeated or long-term occupational exposure.

Indication of immediate medical attention and special treatment needed

Treat symptomatically. Symptoms may be delayed.

5. Firefighting measures

Suitable extinguishing media	Foam, carbon dioxide (CO■), dry powder.
Unsuitable extinguishing media	There is no restriction on the type of extinguisher which may be used.

Specific hazards arising from the substance or mixture

1.	Containers may explode when heated.
2.	May expand or decompose explosively when heated or involved in fire.

Advice for firefighters

1.	As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.
2.	Fight fire from a safe distance, with adequate cover.
3.	Prevent fire-extinguishing water from contaminating surface water or the ground water system.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

1.	Ensure adequate ventilation. Remove all sources of ignition. Take precautionary measures against static discharges.
2.	Evacuate personnel to safe areas. Keep people away from and upwind of the spill/leak.
3.	Use personal protective equipment. Avoid breathing vapours, mist, gas or dust.

Environmental precautions

1.	Prevent further leakage or spillage if safe to do so.
2.	Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up

1.	Absorb spilled material in dry sand or inert absorbent. In case of a large amount of spillage, contain the spill by bunding.
2.	Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.
3.	Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.

Reference to other sections

SeeSection8forinformationonpersonal protection equipment and Section 13 for information on disposal.

7. Handling and storage

Precautions for handling — Protective measures

1.	Handle in a well-ventilated place.
2.	Wear suitable protective equipment.
3.	Avoid contact with skin and eyes.

Measures to prevent fire

1.	Keep away from heat/sparks/open flames/hot surfaces.

Measures to prevent aerosol and dust generation

1.	Not applicable.

Advice on general occupational hygiene

1.	Wash hands and face after using the substance.
2.	Replace contaminated clothing immediately.

Conditions for safe storage, including any incompatibilities

1.	Keep containers tightly closed.
2.	Keep containers in a dry, cool and well-ventilated place.
3.	Keep away from heat/sparks/open flames/hot surfaces.
4.	Store away from incompatible materials and foodstuff containers.

Specific end uses

Inadditiontotheusesmentioned in the previous parts, no other specific end uses are foreseen.

8. Exposure controls / personal protection

Control parameters

Occupational exposure limit values	No information available.
Biological limit values	No information available.

Monitoring methods

1.	EN 14042 — Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.
2.	GBZ/T 160.1~GBZ/T 160.81-2004 — Determination of toxic substances in workplace air (series standard).

Derived No Effect Level (DNEL) — Poly(dimethylsiloxane) (CAS 63148-62-9)

Route of exposure	DNEL for workers	Acute effects (local)	Acute effects (systemic)	Chronic effects (local)	Chronic effects (systemic)
Inhalation	No data available	No data available	No data available	No data available	No data available
Oral	No data available	No data available	No data available	No data available	No data available
Dermal	No data available	No data available	No data available	No data available	No data available

Predicted No Effect Concentration (PNEC)	No information available.

Engineering controls

1.	Ensure adequate ventilation, especially in confined areas.
2.	Ensure that eyewash stations and safety showers are close to the workstation location.
3.	Use explosion-proof electrical/ventilating/lighting equipment.
4.	Set up emergency exits and a necessary risk-elimination area.

Personal protection equipment

Eye protection	Tightly fitting safety goggles (approved by EN 166 (EU) or NIOSH (US)).
Hand protection	Wear protective gloves (such as butyl rubber), passing the tests according to EN 374 (EU), US F739 or AS/NZS 2161.1.
Respiratory protection	If exposure limits are exceeded or irritation or other symptoms occur, use a full-face respirator with a multi-purpose combination (US) or type AXBEK (EN 14387) cartridges.
Skin and body protection	Wear fire/flame resistant/retardant clothing and antistatic boots.

9. Physical and chemical properties

Physical state	Liquid
Color	Colorless hazy
Odor	Slight
Odor threshold	No information available
pH	No information available
Melting point/freezing point (°C)	No information available
Initial boiling point and boiling range (°C)	> 190 °C (1013 mmHg)
Flash point (closed cup, °C)	> 70 °C
Evaporation rate	No information available
Flammability	No information available
Upper/lower explosive limits [%(v/v)]	Upper limit: not available; Lower limit: not available
Vapor pressure	< 50 hPa (20 °C)
Vapor density (Air = 1)	No information available
Relative density (Water = 1)	0.90 – 0.95
Solubility (mg/L)	Partly miscible with water (Poly(dimethylsiloxane))
n-octanol/water partition coefficient	No information available
Auto-ignition temperature (°C)	> 280 °C
Decomposition temperature (°C)	No information available
Viscosity (mm²/s)	< 20
Explosive properties	No information available
Oxidizing properties	No information available

10. Stability and reactivity

Reactivity	Contact with incompatible substances can cause decomposition or other chemical reactions.
Chemical stability	Stable under proper operation and storage conditions.
Possibility of hazardous reactions	No information available.
Conditions to avoid	Incompatible materials, heat, flame and spark.
Incompatible materials	No information available.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

Acute toxicity

Acute toxicity	No information available.

Carcinogenicity

ID	CAS No.	Component	IARC	NTP
1	63148-62-9	Poly(dimethylsiloxane)	Not Listed	Not Listed

Others

Skin corrosion/irritation	No information available.
Serious eye damage/irritation	No information available.
Skin sensitization	No information available.
Respiratory sensitization	No information available.
Reproductive toxicity	No information available.
STOT — single exposure	No information available.
STOT — repeated exposure	No information available.
Aspiration hazard	No information available.
Germ cell mutagenicity	No information available.
Reproductive toxicity (additional)	No information available.

12. Ecological information

Acute aquatic toxicity	No information available.
Chronic aquatic toxicity	No information available.
Persistence and degradability	No information available.
Bioaccumulative potential	No information available.
Mobility in soil	No information available.

Results of PBT and vPvB assessment (according to (EC) No 2015/830)

Component	CAS No.	Results of PBT and vPvB assessment
Poly(dimethylsiloxane)	63148-62-9	Not PBT/vPvB

13. Disposal considerations

Waste chemicals	Before disposal, refer to the relevant national and local laws and regulations. Incineration disposal is recommended.
Contaminated packaging	Containers may still present a chemical hazard when empty. Keep away from heat and ignition sources. Return to supplier for recycling if possible.
Disposal recommendations	Refer to sections 13.1 and 13.2 for detailed information on waste and packaging disposal.

14. Transport information

Label and mark	Transporting label: Not applicable.
IMDG-CODE	Not regulated for transport of dangerous goods.
ICAO/IATA-DGR	Not regulated for transport of dangerous goods.
UN-ADR	Not regulated for transport of dangerous goods.

15. Regulatory information

International chemical inventory

Component	EINECS	TSCA	DSL	IECSC	NZIoC	PICCS	KECI	AICS	ENCS
Poly(dimethylsiloxane)	✓	✓	✓	✓	✓	✓	✓	✓	✓

EINECS: European Inventory of Existing Commercial Chemical Substances. TSCA: United States Toxic Substances Control Act Inventory. DSL: Canadian Domestic Substances List. IECSC: China Inventory of Existing Chemical Substances. NZIoC: New Zealand Inventory of Chemicals. PICCS: Philippines Inventory of Chemicals and Chemical Substances. KECI: Existing and Evaluated Chemical Substances (Korea). AICS: Australia Inventory of Chemical Substances. ENCS: Existing and New Chemical Substances (Japan).

European chemical inventory (REACH)

Component	A	B	C	D	E	F	G
Poly(dimethylsiloxane)	✗	✗	✗	✓	✓	✗	✗

A: Candidate list of Substances of Very High Concern (SVHC). B: Substances requiring authorisation. C: Substances restricted under REACH. D: Pre-registered substances. E: Registered substances. F: Substance Evaluation (CoRAP). G: List of priority substances under EU water policy (Directive 2455/2001/EC).