

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 24.06.2010

Revision: 24.06.2010

1 Identification of the substance/preparation and of the company/undertaking

- **Product details**
- **Trade name:** *Interflon Fin Lube TF*
- **Application of the substance / the preparation** *Penetrating lubrication oil.*
- **Manufacturer/Supplier:**
*Interflon b.v.
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The Netherlands
Tel: +31(0)165.55.39.11
Fax: +31(0)165.53.80.82
Email: info@interflon.com
www.interflon.com*
- **Further information obtainable from:** *Product safety department.*
- **Information in case of emergency:** *0870 600 6266 (UK only)*

2 Hazards identification

- **Hazard description:** *Not applicable.*
- **Information concerning particular hazards for human and environment:**
*The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*
- **Classification system:**
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** *Mixture of mineral and synthetic oil, paraffinic solvent, Teflon® and additives.*

· **Dangerous components:**

CAS: 64742-47-8 EINECS: 265-149-8	Distillates (petroleum), hydrotreated light Xn; R 65-66	50-100%
CAS: 110-25-8 EINECS: 203-749-3	(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine Xi, N; R 38-41-51/53	≤ 2.5%
CAS: 80939-62-4 EINECS: 279-632-6	Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates Xi, N; R 36/38-51/53	< 1%
CAS: 9046-09-7	polyethylene glycol mono tributylphenyl ether Xi, N; R 36/38-51/53	< 1%
CAS: 90367-27-4 EINECS: 291-275-8	ethanol, 2,2'-[[3-[(2-hydroxyethyl)amino]propyl]imino]bis-, N-talk-alkylderivaten C, Xn, N; R 22-35-50/53	< 1%
	Mixture of amine neutralized alkylphosphates Xi, N; R 36/38-51/53	< 1%

- **Additional information:** *For the wording of the listed risk phrases refer to section 16.*

4 First-aid measures

- **After inhalation:** *Supply fresh air; consult doctor in case of complaints.*
- **After skin contact:** *Generally the product does not irritate the skin.*
- **After eye contact:** *Rinse opened eye for several minutes under running water.*

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- **After swallowing:** Do not induce vomiting; call for medical help immediately.

5 Fire-fighting measures

- **Suitable extinguishing agents:** CO₂, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:**
Do not breathe vapour or mist.
Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:**
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
Do not flush with water or aqueous cleansing agents
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.

7 Handling and storage

- **Handling:**
- **Information for safe handling:** Ensure good ventilation/exhaustion at the workplace.
- **Information about fire - and explosion protection:** Keep ignition sources away - Do not smoke.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Do not eat, drink, smoke or sniff while working.
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.
- **Respiratory protection:**
Use suitable respiratory protective device in case of insufficient ventilation.
Filter A/P2
- **Protection of hands:** Not required.
- **Material of gloves:** Not required.
- **Penetration time of glove material:** Not required.

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· **Eye protection:** Goggles recommended during refilling

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9 Physical and chemical properties

· **General Information**

Form:	Fluid
Colour:	Cloudy yellow brown
Odour:	Oily

· **Change in condition**

Melting point/Melting range: < -43°C
Boiling point/Boiling range: > 182°C

· **Flash point:** 80°C

· **Self-igniting:** > 370°C

· **Danger of explosion:** Product does not present an explosion hazard.

· **Explosion limits:**

Lower: 1 Vol % (in aria)
Upper: 8 Vol % (in aria)

· **Vapour pressure at 20°C:** 0.2 kPa

· **Density at 20°C:** 0.86 g/ml

· **Solubility in / Miscibility with water:**

Not miscible or difficult to mix.

· **Viscosity:**

Dynamic at 20°C: 70 mPas
Kinematic: a 40°C: >10 mm²/sec

10 Stability and reactivity

· **Thermal decomposition / conditions to be avoided:** >250°C

· **Materials to be avoided:** Strong acids, strong lye's and strong oxidising agents.

· **Dangerous reactions** No dangerous reactions known.

· **Dangerous decomposition products:**

Thermal decomposition or combustion can release carbon monoxide and partly burned hydrocarbons (from 400°C fluor compounds can be released in small amounts).

11 Toxicological information

· **Acute toxicity:**

· **LD/LC50 values relevant for classification:**

64742-47-8 Distillates (petroleum), hydrotreated light

Oral	LD50	>2000 mg/kg (rat)
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· **Primary irritant effect:**

· **on the skin:** No irritant effect.

· **on the eye:** No irritating effect.

· **Sensitization:** No sensitizing effects known.

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12 Ecological information

· **Information about elimination (persistence and degradability):**

· **Other information:**

Biodegradability:

Inherent biodegradable (calculated according to ASTM D7373-07)

· **Ecotoxicological effects:**

· **Aquatic toxicity:**

64742-47-8 Distillates (petroleum), hydrotreated light

EC50 48 hr >1000 mg/l (daphnia)

LC50 96 hr >2000 mg/l (Fish)

· **Remark:** Harmful to fish

· **Additional ecological information:**

· **General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Harmful to aquatic organisms

13 Disposal considerations

· **Product:**

· **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· **European waste catalogue**

13 02 08 other engine, gear and lubricating oils

· **Uncleaned packaging:**

· **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· **Land transport ADR/RID (cross-border)**

· **ADR/RID class:** Not classified

· **Maritime transport IMDG:**

· **IMDG Class:** Not classified

· **Marine pollutant:** No

· **Air transport ICAO-TI and IATA-DGR:**

· **ICAO/IATA Class:** Not classified

15 Regulatory information

· **Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

· **Risk phrases:**

52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· **Safety phrases:**

16 Keep away from sources of ignition - No smoking.

23 Do not breathe fumes/aerosol.

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- 33 Take precautionary measures against static discharges.
61 Avoid release to the environment. Refer to special instructions/safety data sheets.

· **National regulations:**

- **Waterhazard class:** Water hazard class 2 (Self-assessment): hazardous for water.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant R-phrases**

- 22 Harmful if swallowed.
35 Causes severe burns.
36/38 Irritating to eyes and skin.
38 Irritating to skin.
41 Risk of serious damage to eyes.
50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
65 Harmful: may cause lung damage if swallowed.
66 Repeated exposure may cause skin dryness or cracking.

· **Department issuing MSDS:** Product safety department.

· **Contact:**

Head Laboratory

Email: service@interflon.com

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