

Material Safety Data Sheet according to 1907/2006/EC, Article 31

Interflon Fin Lube TF

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

- **Product details:**
- **Application of the substance / the preparation:** Penetrating lubrication oil.
- **Further information obtainable from:** Product safety department.

MANUFACTURER/SUPPLIER:

Interflon b.v.
P.O. Box 1070
NL-4700 BB Roosendaal
The Netherlands
Tel: +31(0)165.55.39.11
Fax: +31(0)165.53.80.82
Email: info@interflon.com
www.interflon.com

EMERGENCY CONTACT:

Tel: (31) 165 553911

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%
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%

- **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.
- **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:**
Wear protective equipment. Keep unprotected persons away.
Do not breathe vapour or mist.
- **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:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Do not flush with water or aqueous cleansing agents
Ensure adequate ventilation.

7. HANDLING AND STORAGE

- **Handling:**
- **Information for safe handling:**
Do not eat, drink or smoke at the workplace.
Smokers have to be careful that Teflon®* products do not come into contact with tobacco or smoker's requisites.
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.

- Additional information: The lists valid during the making were used as basis.

- Personal protective equipment:

- General protective and hygienic measures:

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.

- Protection of hands:



Protective gloves

- Material of gloves:

Nitrile rubber, NBR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- Penetration time of glove material: The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

- Eye protection:

Goggles recommended during refilling

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% (in air)
Upper:	8% (in air)
Vapour pressure:	0.2 kPa
Density:	0.86 g/ml
Solubility in / Miscibility with	
water:	Not miscible or difficult to mix.
Viscosity:	
Dynamic:	70 mPas
Kinematic:	> 10 mm ² /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)
--	------	------	-------------------

- **Primary irritant effect:**

- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.

12. ECOLOGICAL INFORMATION

- Ecotoxical effects:

Aquatic toxicity:

64742-47-8 Distillates (petroleum), hydrotreated light	EC50 48 hr LC50 96 hr	>1000 mg/l (daphnia) >2000 mg/l (Fish)
--	--------------------------	---

- **Remark:** Harmful to fish
- **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: -
- Maritime transport IMDG:
- IMDG Class: -
- Marine pollutant: No
- Air transport ICAO-TI and IATA-DGR:
- ICAO/IATA Class: -

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.
60 This material and its container must be disposed of as hazardous waste.
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.
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.

16. OTHER INFORMATION

- **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

LAST UPDATE

05-09-2007

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties. We do not take on any responsibility for any risks coming from variations or unknown effects of the characteristics of raw materials (alone or in association), and from a different use of the product from the one prescribed.

Tel: (31) 165 553911