

Material Safety Data Sheet directive 91/155/EC

Interflon Fin Super (Aerosol)

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:

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2. 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:	Distillates (petroleum), hydrotreated light	 Xn; R 65-66	25-50%
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265-149-8			
CAS: 64742-48-9 EINECS: 265-150-3	Naphtha (petroleum), hydrotreated heavy	 Xn; R 65-66	10-25%
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: 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%
9046-09-7	polyethylene glycol mono tributylphenyl ether	 Xi,  N; R 36/38-51/53	< 1%

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

3. HAZARDS IDENTIFICATION

- Hazard description:



F+ Extremely flammable

- 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.

At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

Warning! Pressurized container.

R 12 Extremely flammable.

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

R 66 Repeated exposure may cause skin dryness or cracking.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
Keep out of the reach of children

- **Classification system:** The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

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:** If symptoms persist consult doctor.

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:** 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.

Open and handle receptacle with care.

- Information about fire - and explosion protection:

Do not spray onto a naked flame or any incandescent material.

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

- Storage:

- Requirements to be met by storerooms and receptacles:

Store in a cool location.

Observe official regulations on storing packagings with pressurized containers.

- Information about storage in one common storage facility: Not required.

- Further information about storage conditions:

Keep container tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

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:



Tightly sealed goggles

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information	
Form:	Fluid Aerosol
Colour:	Cloudy yellow brown
Odour:	Oily
Change in condition	
Melting point/Melting range:	-43 °C (oil)
Boiling point/Boiling range:	> 182 °C (oil)
Flash point:	80 °C (oil)
Self-igniting:	> 370 °C (oil)
Danger of explosion:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	1% (in air)

Upper:	8% (in air)
Vapour pressure:	4.2 bar
Density:	0,85 g/ml (oil)
Solubility in / Miscibility with	
water:	Not miscible or difficult to mix.
Viscosity:	
Dynamic:	65 mPas (oil)

10. STABILITY AND REACTIVITY

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

Aerosol: avoid sun-ray, piercing can.

Oil: avoid open fire, hot spots above 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)
64742-48-9 Naphtha (petroleum), hydrotreated heavy	Oral	LD50	>2000 mg/kg (rat)
	Dermal	LD50	>2000 mg/kg (rab)
	Inhalative	LC50/4 h	>5 mg/l (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)
64742-48-9 Naphtha (petroleum), hydrotreated heavy	EC50 48 hr IC50 72 hr LC50 96 hr	>1000 mg/l (daphnia) >1000 mg/l (Algea) >1000 mg/l (Fish)

- **Remark:** Harmful to fish

- General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
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:

15 01 04 metallic packaging
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:** 2, 5F

- **UN-Number:** 1950
- **Packaging group:** -
- **Hazard label:** 2.1
- **Description of goods:** UN1950 AEROSOLS, FLAMMABLE
- **Maritime transport IMDG:**



- **IMDG Class:** 2.1
- **UN Number:** 1950
- **Label:** 2.1
- **Packaging group:** -
- **EMS Number:** F-D,S-U
- **Marine pollutant:** No
- **Proper shipping name:** AEROSOLS
- **Air transport ICAO-TI and IATA-DGR:**



- **ICAO/IATA Class:** 2.1
- **UN/ID Number:** 1950
- **Label:** 2.1
- **Packaging group:** -
- **Proper shipping name:** AEROSOLS, flammable

15. REGULATORY INFORMATION

- **Labelling according to EU guidelines:** The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.
- **Code letter and hazard designation of product:**
F+ Extremely flammable
- **Risk phrases:**
12 Extremely flammable.
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
66 Repeated exposure may cause skin dryness or cracking.

- Safety phrases:

3/7 Keep container tightly closed in a cool place.
16 Keep away from sources of ignition No smoking.
23 Do not breathe fumes/aerosol.
51 Use only in well-ventilated areas.

- Special labelling of certain preparations:

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
Keep out of the reach of children

- National regulations:

- Waterhazard class:

Water hazard class 1 (Self-assessment): slightly 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

22-03-2007

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.
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