

Interflon Lube EPR

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1.1
Replaces version:

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name **Interflon Lube EPR**

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses Industrial use
Scope lubricant

1.3 Details of the supplier of the safety data sheet

Interflon BV
Belder 47
4704 RK Roosendaal
Netherlands

Telephone: +31 (0)165 553911
e-mail: Service@Interflon.com
Website: www.Interflon.com

Supplier (importer)

Interflon Vietnam
Telephone:

e-mail (competent person) msds.vn@interflon.com

1.4 Emergency telephone number

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification acc. to GHS

Section	Hazard class	Category	Hazard class and category	Hazard statement
3.3	serious eye damage/eye irritation	2	Eye Irrit. 2	H319

For full text of abbreviations: see SECTION 16.

2.2 Label elements

Labelling

- Signal word. warning

- Pictograms

GHS07



- Hazard statements
H319

Causes serious eye irritation.

- Precautionary statements

P280

Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/....

P305+P351+P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313

If eye irritation persists: Get medical advice/attention.

Interflon Lube EPR

Version number: 1.1

date of issue
15.04.2026

Date of compilation: Revi-
sion: 15.04.2026

2.3 Other hazards

This material is combustible, but will not ignite readily. This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

Hazards not otherwise classified

Repeated exposure may cause skin dryness or cracking.
Contains Sulfonic acids, petroleum, calcium salts. May produce an allergic reaction.

Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of $\geq 0,1\%$.

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of $\geq 0,1\%$.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixtures

Product description

Mixture of mineral and vegetable oils, additives and Micpol®

Hazardous ingredients

Name of substance	Identifier	Wt%	Classification acc. to GHS	Notes
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics	CAS No 64742-48-9	25 - < 50	Asp. Tox. 1 / H304	L(b)
N-methyl-N-[C18-(unsaturated)alkanoyl]glycine		1 - < 5	Acute Tox. 4 / H332 Skin Irrit. 2 / H315 Eye Dam. 1 / H318 Aquatic Acute 1 / H400 Aquatic Chronic 3 / H412	
Sulfonic acids, petroleum, calcium salts	CAS No 61789-86-4	< 1	Skin Sens. 1B / H317	

Notes

L(b): The classification as a carcinogen is not required. The substance contains less than 3 % DMSO extract

Concentration limit, M-Factor, ATE

Hazardous ingredients, Specific Conc. Limits, M-factors, ATE				
Name of substance	Specific Conc. Limits	M-Factors	ATE	Exposure route
N-methyl-N-[C18-(unsaturated)alkanoyl]glycine	-	-	11 mg _i /4h 1.37 mg _j /4h	inhalation: vapour inhalation: dust/mist
Sulfonic acids, petroleum, calcium salts	Skin Sens. 1B; H317: C $\geq 10\%$	-	-	

Remarks

For full text of Hazard- and EU Hazard-statements: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still

Interflon Lube EPR

Version number: 1.1

date of issue
15.04.2026Date of compilation: Revi-
sion: 15.04.2026

and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

none

SECTION 5: Firefighting measures**5.1 Extinguishing media**

Suitable extinguishing media

Water spray, Water mist, Fire extinguishing powder, Carbon dioxide (CO₂), Carbon dioxide (CO₂), Alcohol resistant foam

Unsuitable extinguishing media

Water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Nitrogen oxides (NO_x), Carbon monoxide (CO), Carbon dioxide (CO₂)

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance. Use suitable breathing apparatus.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Interflon Lube EPR

Version number: 1.1

date of issue
15.04.2026

Date of compilation: Revi-
sion: 15.04.2026

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation
Use local and general ventilation. Use only in well-ventilated areas.

Advice on general occupational hygiene

Remove contaminated clothing and protective equipment before entering eating areas. Never place chemicals in containers that are normally used for food or drink.

7.2 Conditions for safe storage, including any incompatibilities

Conditions of storage

Store in accordance with local/regional/national/international regulations. Keep container tightly closed and in a well-ventilated place.

Managing of associated risks

- Flammability hazards
Keep in a cool place.

7.3 Specific end use(s)

See section 16 for a general overview.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Relevant DNELs of components						
Name of substance	CAS No	Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
N-methyl-N-[C18-(unsaturated)alkanoyl]glycine		DNEL	0.8 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
N-methyl-N-[C18-(unsaturated)alkanoyl]glycine		DNEL	4.2 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Sulfonic acids, petroleum, calcium salts	61789-86-4	DNEL	11.75 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
Sulfonic acids, petroleum, calcium salts	61789-86-4	DNEL	3.33 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects

Relevant PNECs of components						
Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
N-methyl-N-[C18-(unsaturated)alkanoyl]glycine		PNEC	0.004 mg/l	aquatic organisms	freshwater	short-term (single instance)
N-methyl-N-[C18-(unsaturated)alkanoyl]glycine		PNEC	0 mg/l	aquatic organisms	marine water	short-term (single instance)

Interflon Lube EPR

Version number: 1.1

 date of issue
15.04.2026

 Date of compilation: Revi-
sion: 15.04.2026

Relevant PNECs of components						
Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
N-methyl-N-[C18-(unsaturated)alkanoyl]glycine		PNEC	1 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
N-methyl-N-[C18-(unsaturated)alkanoyl]glycine		PNEC	0.057 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
N-methyl-N-[C18-(unsaturated)alkanoyl]glycine		PNEC	0.006 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
N-methyl-N-[C18-(unsaturated)alkanoyl]glycine		PNEC	1.71 mg/kg	terrestrial organisms	soil	short-term (single instance)
Sulfonic acids, petroleum, calcium salts	61789-86-4	PNEC	1 mg/l	aquatic organisms	freshwater	short-term (single instance)
Sulfonic acids, petroleum, calcium salts	61789-86-4	PNEC	1 mg/l	aquatic organisms	marine water	short-term (single instance)
Sulfonic acids, petroleum, calcium salts	61789-86-4	PNEC	1,000 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Sulfonic acids, petroleum, calcium salts	61789-86-4	PNEC	226,000,000 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Sulfonic acids, petroleum, calcium salts	61789-86-4	PNEC	226,000,000 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Sulfonic acids, petroleum, calcium salts	61789-86-4	PNEC	271,000,000 mg/kg	terrestrial organisms	soil	short-term (single instance)

8.2 Exposure controls

General safety precautions

Use only in well-ventilated areas.

In case of insufficient ventilation, wear suitable respiratory equipment.

Avoid contact with skin and eyes.

Keep away from food, drink and animal feedingstuffs. Do not breathe gas/vapour/spray. Wash hands after use.

Individual protection measures (personal protective equipment)

Eye/face protection

Work with safety glasses.

Skin protection

- Hand protection

Chemical protection gloves are suitable, which are tested according to EN 374. When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. Type of material. NBR: acrylonitrile-butadiene rubber. CR: chloroprene (chlorobutadiene) rubber. PVC: polyvinyl chloride.

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

[In case of inadequate ventilation] wear respiratory protection. Type: A-P2 (combined filters against particles and organic gases and vapours, colour code: Brown/White).

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

Interflon Lube EPR

Version number: 1.1

date of issue
15.04.2026Date of compilation: Revi-
sion: 15.04.2026

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	liquid
Colour	beige
Odour	characteristic
Melting point/freezing point	not determined
Boiling point or initial boiling point and boiling range	186 °C at 1 atm
Flammability	non-combustible
Lower and upper explosion limit	0.6 vol% - 7 vol% non-combustible
Flash point	65 °C at 1 atm not relevant
Auto-ignition temperature	>200 °C (auto-ignition temperature (liquids and gases))
Decomposition temperature	not relevant
pH (value)	not determined
Kinematic viscosity	27 cSt at 40 °C not relevant
Solubility(ies)	easily soluble

Partition coefficient

Partition coefficient n-octanol/water (log value)	not relevant
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Vapour pressure	0.05 kPa at 20 °C
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Density and/or relative density

Density	0.85 g/cm ³ at 20 °C
Relative vapour density	information on this property is not available / not relevant

Particle characteristics	not relevant (liquid)
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9.2 Other information

Information with regard to physical hazard classes	hazard classes acc. to GHS (physical hazards): not relevant
Other safety characteristics	there is no additional information

Interflon Lube EPR

Version number: 1.1

date of issue
15.04.2026Date of compilation: Revi-
sion: 15.04.2026

SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

10.5 Incompatible materials

Oxidisers

10.6 Hazardous decomposition products

Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification acc. to GHS

Acute toxicity

Shall not be classified as acutely toxic.

Acute toxicity estimate (ATE) of components			
Name of substance	CAS No	Exposure route	ATE
N-methyl-N-[C18-(unsaturated)alkanoyl]glycine		inhalation: vapour	11 mg _l /4h
N-methyl-N-[C18-(unsaturated)alkanoyl]glycine		inhalation: dust/mist	1.37 mg _l /4h

Acute toxicity of components					
Name of substance	CAS No	Exposure route	Endpoint	Value	Species
N-methyl-N-[C18-(unsaturated)alkanoyl]glycine		oral	LD50	>5,000 mg/kg	rat
N-methyl-N-[C18-(unsaturated)alkanoyl]glycine		inhalation: dust/mist	LC50	1.37 mg _l /4h	rat

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

Contains Sulfonic acids, petroleum, calcium salts. May produce an allergic reaction.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Interflon Lube EPR

Version number: 1.1

date of issue
15.04.2026

Date of compilation: Revi-
sion: 15.04.2026

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

Other information

Repeated exposure may cause skin dryness or cracking.

11.2 Information on other hazards

There is no additional information.

SECTION 12: Ecological information

12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

12.2 Persistence and degradability

Data are not available.

12.3 Bioaccumulative potential

Data are not available.

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of $\geq 0,1\%$.

12.7 Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains.

Waste treatment of containers/packagings

This article should be disposed of as hazardous waste. Please do not put it in your normal household waste. Dispose of this material and its container to hazardous or special waste collection point. Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

14.1 UN number or ID number	not subject to transport regulations
14.2 UN proper shipping name	not relevant
14.3 Transport hazard class(es)	none
14.4 Packing group	not assigned

Interflon Lube EPR

Version number: 1.1

date of issue
15.04.2026

Date of compilation: Revision:
15.04.2026

- 14.5 Environmental hazards** non-environmentally hazardous acc. to the dangerous goods regulations
- 14.6 Special precautions for user**
There is no additional information.
- 14.7 Maritime transport in bulk according to IMO instruments**
The cargo is not intended to be carried in bulk.

Information for each of the UN Model Regulations

Inland transport of dangerous goods

Not subject to ADR.

International Maritime Dangerous Goods Code (IMDG) - Additional information

Not subject to IMDG.

International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Not subject to ICAO-IATA.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

There is no additional information.

National inventories

Country	Inventory	Status
CA	DSL	not all ingredients are listed
EU	REACH Reg.	all ingredients are listed or exempt from listing
US	TSCA	not all ingredients are listed

Legend

- DSL Domestic Substances List (DSL)
- REACH Reg. REACH registered substances
- TSCA Toxic Substance Control Act

15.2 Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
Acute Tox.	Acute toxicity
ADR	Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)
Aquatic Acute	Hazardous to the aquatic environment - acute hazard
Aquatic Chronic	Hazardous to the aquatic environment - chronic hazard
Asp. Tox.	Aspiration hazard
ATE	Acute Toxicity Estimate
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
DGR	Dangerous Goods Regulations (see IATA/DGR)
DNEL	Derived No-Effect Level

Interflon Lube EPR

Version number: 1.1

date of issue
15.04.2026

Date of compilation: Revi-
sion: 15.04.2026

Abbr.	Descriptions of used abbreviations
ED	Endocrine disruptor
Eye Dam.	Seriously damaging to the eye
Eye Irrit.	Irritant to the eye
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
LC50	Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval
LD50	Lethal Dose 50 %: the LD50 corresponds to the dose of a tested substance causing 50 % lethality during a specified time interval
M-factor	Means a multiplying factor. It is applied to the concentration of a substance classified as hazardous to the aquatic environment acute category 1 or chronic category 1, and is used to derive by the summation method the classification of a mixture in which the substance is present
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
Skin Corr.	Corrosive to skin
Skin Irrit.	Irritant to skin
Skin Sens.	Skin sensitisation
vPvB	Very Persistent and very Bioaccumulative

Key literature references and sources for data

UN Recommendations on the Transport of Dangerous Good. Agreement concerning the International Carriage of Dangerous Goods by Road (ADR). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant phrases (code and full text as stated in section 2 and 3)

Code	Text
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

Disclaimer

Interflon Lube EPR

Version number: 1.1

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Date of compilation: Revi-
sion: 15.04.2026

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.