

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 30.01.2019

Version number 5

Revision 30.01.2019

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

1.1 Product identifier

Trade name: **Interflon Degreaser EM30+ (aerosol)**

1.2 Relevant identified uses of the substance or mixture and uses advised against
No further relevant information available.

Application of the substance / the mixture *Degreaser*

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Interflon b.v.

P.O. Box 1070

NL-4700 BB Roosendaal

The Netherlands

Tel: +31(0)165.55.39.11

Email: service@interflon.com

www.interflon.com

Further information obtainable from: Product safety department

1.4 Emergency telephone number: UK National Poisons Emergency number: +44 870 600 6266

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

STOT SE 3 H336 May cause drowsiness or dizziness.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS02 GHS07

Signal word *Danger*

Hazard-determining components of labelling:

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

1-methoxy-2-propanol

Hazard statements

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

H336 May cause drowsiness or dizziness.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

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- **Additional information:**
EUH066 Repeated exposure may cause skin dryness or cracking.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Material does not meet the criteria for PBT according to Regulation (EC) No 1907/2006, Annex XIII.
- **vPvB:** Material does not meet the criteria for vPvB according to Regulation (EC) No 1907/2006, Annex XIII.

SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Blend of solvents. Propellant gas carbon dioxide.

- **Dangerous components:**

EC number: 919-857-5 Reg.nr.: 01-2119463258-33	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics Flam. Liq. 3, H226; Asp. Tox. 1, H304; STOT SE 3, H336	50 – 100%
CAS: 107-98-2 EINECS: 203-539-1 Reg.nr.: 01-2119457435-35	1-methoxy-2-propanol Flam. Liq. 3, H226; STOT SE 3, H336	25 – 50%
CAS: 124-38-9 EINECS: 204-696-9	carbon dioxide Press. Gas (Liq.), H280	2.5 – 10%

- **SVHC**
This product does not contain "very worrisome substances" (SVHC) that are very dangerous to human health or the environment. (SVHC <0.1% (w/w) Regulation (EC) No. 1907/2006 (REACH), Article 57).

- **Regulation (EC) No 648/2004 on detergents / Labelling for contents**

aliphatic hydrocarbons, non-ionic surfactants	≥30%
perfumes	

- **Additional information:**
Note: Any entry in the EC column that begins with the number "9" is a Provisional List Number provided by ECHA pending publication of the official EC Inventory Number for the substance. See Section 16 for additional CAS number information for the substance.
See SDS Section 16 for full text of hazard statements.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **After inhalation:**
Remove person to fresh air and keep comfortable for breathing.
In case of unconsciousness place patient stably in side position for transportation.
Call a POISON CENTER/doctor if you feel unwell.
- **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.
- **4.2 Most important symptoms and effects, both acute and delayed**
Acute and delayed effects are indicated in sections 2 and 11.
- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

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SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
Use fire extinguishing methods suitable to surrounding conditions
CO₂, sand, powder, water spray.
Foam
- **5.2 Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
Carbon monoxide (CO)
- **5.3 Advice for firefighters**
- **Protective equipment:**
Wear self-contained respiratory protective device.
Use personal protective equipment (EN469).
- **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Clear spills immediately.
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
- **6.4 Reference to other sections**
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
- **Information about fire - and explosion protection:**
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Do not spray on an open flame or other ignition source.
Pressurised 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.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store in accordance with local/regional/national/international regulations.
Observe official regulations on storing packagings with pressurised containers.
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
Store in a well-ventilated place.
Keep container tightly closed.
Store in a dry place.

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- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Store in a cool place.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

· **8.1 Control parameters**

- **Ingredients with limit values that require monitoring at the workplace:**

107-98-2 1-methoxy-2-propanol

WEL (Great Britain)	Short-term value: 560 mg/m ³ , 150 ppm Long-term value: 375 mg/m ³ , 100 ppm Sk
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IOELV (EU)	Short-term value: 568 mg/m ³ , 150 ppm Long-term value: 375 mg/m ³ , 100 ppm Skin
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124-38-9 carbon dioxide

WEL (Great Britain)	Short-term value: 27400 mg/m ³ , 15000 ppm Long-term value: 9150 mg/m ³ , 5000 ppm
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IOELV (EU)	Long-term value: 9000 mg/m ³ , 5000 ppm
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- **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

Wash hands before breaks and at the end of work.

Do not eat, drink, smoke or sniff while working.

- **Respiratory protection:**

Do not breathe vapour and sprayer mist.

Ventilation or extraction.

Use suitable respiratory protective device in case of insufficient ventilation.

Filter A/P2

- **Protection of hands:**

For prolonged or repeated skin contact use suitable protective gloves.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

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.

Practical experience has shown that gloves of neoprene, Nitril and PVC offer sufficient protection.

Breakthrough time: < 60 minutes

- **Penetration time of glove material** The penetration times are not determined by method EN 374 Part 3.

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- **Eye protection:** Not required.
- **Body protection:** Wear suitable protective clothing (EN ISO 13688).

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

- **Form:** Aerosol
- **Colour:** Colourless
- **Odour:** Solvent-like
- **Odour threshold:** Not determined.

· **pH-value:** Not applicable.

· **Change in condition**

- **Melting point/freezing point:** Not applicable.
- **Initial boiling point and boiling range:** 117 – 213 °C

· **Flash point:** 32 °C

· **Flammability (solid, gas):** Not applicable.

· **Ignition temperature:** 240 °C

· **Decomposition temperature:** Not determined.

· **Auto-ignition temperature:** Product is not selfigniting.

· **Explosive properties:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

· **Explosion limits:**

- **Lower:** 0.6 Vol %
- **Upper:** 13.1 Vol %

· **Vapour pressure at 20 °C:** 5000 hPa

- **Density at 20 °C:** 0.82 g/cm³
- **Relative density:** Not determined.
- **Vapour density:** Not determined.
- **Evaporation rate at 20 °C:** 15 (ether = 1)

· **Solubility in / Miscibility with water at 20 °C:** 37 g/l

· **Viscosity:**

- **Dynamic:** Not determined.
- **Kinematic:** Not determined.

· **9.2 Other information:** No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity:** No reactivity hazards known under normal storage and use conditions.
- **10.2 Chemical stability:** Stable under normal storage and use conditions.

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- **Thermal decomposition / conditions to be avoided:** To avoid thermal decomposition do not overheat.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid**
Conditions to be avoided: sun-ray, temperatures above 50°C, open fire, piercing can.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- **10.5 Incompatible materials:** Strong oxidising agents.
- **10.6 Hazardous decomposition products:**
In case of thermal degradation hazardous gases may be formed (for example CO, CO₂ and NO_x).

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

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

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Oral	LD50	> 5000 mg/kg (Rat) (OESO 401)
Dermal	LD50	> 5000 mg/kg (Rabbit) (OESO 402)

107-98-2 1-methoxy-2-propanol

Oral	LD50	> 5000 mg/kg (Rat) (OECD 401)
Dermal	LD50	> 15800 mg/kg (Rabbit) (OECD 402)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Subacute to chronic toxicity:** Repeated exposure may cause skin dryness or cracking.
- **STOT SE (Specific target organ toxicity – single exposure):** May cause drowsiness or dizziness.
- **STOT RE (Specific target organ toxicity – repeated exposure):** No further relevant information available.
- **Additional toxicological information:** No further relevant information available.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
This product does not fulfil the criteria for classification of CMR (carcinogen, mutagen, toxic to reproduction).
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure**
May cause drowsiness or dizziness.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard**
Product is classified as presenting an aspiration hazard, but need not be labelled for this hazard according to point 1.3.3 of Annex I to Regulation (EC) No 1272/2008.
May be fatal if swallowed and enters airways.

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SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

LL50	> 1000 mg/l (Fish) 96hr
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EL50	> 1000 mg/l (Algae) 72hr
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107-98-2 1-methoxy-2-propanol

LC50 96 hr	> 1000 mg/l (Fish) (OECD 203)
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EC50 48 hr	> 1000 mg/l (Daphnia) (OECD 202)
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· 12.2 Persistence and degradability

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Biodegradability	80 % (-)
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107-98-2 1-methoxy-2-propanol

Biodegradability	96 % (-) (OECD 301E)
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· 12.3 Bioaccumulative potential

No further relevant information available.

· 12.4 Mobility in soil

No further relevant information available.

· Additional ecological information:

· General notes:

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

· 12.5 Results of PBT and vPvB assessment

· **PBT:** Material does not meet the criteria for PBT according to Regulation (EC) No 1907/2006, Annex XIII.

· **vPvB:** Material does not meet the criteria for vPvB according to Regulation (EC) No 1907/2006, Annex XIII.

· 12.6 Other adverse effects

No further relevant information available.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation

Must not be disposed together with household garbage. Waste should not be disposed of by release to sewers. Final decisions on the appropriate waste management method, in line with regional, national and European legislation, and possible adaptation to local conditions, remains the responsibility of the waste treatment operator.

· European waste catalogue

14 06 03*	other solvents and solvent mixtures
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16 05 04*	gases in pressure containers (including halons) containing hazardous substances
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15 01 04	metallic packaging
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HP 3	Flammable
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HP 5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

- **Uncleaned packaging:**
- **Recommendation:**
Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

SECTION 14: Transport information

· 14.1 UN-Number · ADR, IMDG, IATA	UN1950
· 14.2 UN proper shipping name · ADR · IMDG · IATA	1950 AEROSOLS AEROSOLS AEROSOLS, flammable
· 14.3 Transport hazard class(es) · ADR	
	
· Class · Label	2 5F Gases. 2.1
· 14.4 Packing group · ADR, IMDG, IATA	Void
· 14.5 Environmental hazards:	Not applicable.
· 14.6 Special precautions for user · Danger code (Kemler): · EMS Number: · Stowage Code · Segregation Code	Warning: Gases. - F-D,S-U SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters. SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.

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· Transport/Additional information:

· ADR

- *Limited quantities (LQ)* 1L
- *Transport category* 2
- *Tunnel restriction code* D

· **UN "Model Regulation":** UN 1950 AEROSOLS, 2.1

SECTION 15: Regulatory information

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

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category P3b** FLAMMABLE AEROSOLS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5000 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50000 t
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3, 40

· National regulations:

- **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 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.

This safety datasheet only contains information relating to safety and does not replace any product information or product specification.

The following substance(s) in this product is (are) identified by the CAS number(s) shown in countries not subject to the REACH regulation.

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics: CAS 64742-48-9

· Relevant phrases (code and full text as stated in chapter 3)

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3.

H226 Flammable liquid and vapour.

H280 Contains gas under pressure; may explode if heated.

H304 May be fatal if swallowed and enters airways.

H336 May cause drowsiness or dizziness.

· Classification according to Regulation (EC) No 1272/2008

Aerosols	Bridging principles
Specific target organ toxicity (single exposure)	The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.
Aspiration hazard	Expert judgement

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

· **Contact:**

Head Laboratory

Email: service@interflon.com

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal Concentration, 50 percent

LD50: Lethal Dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals

CLP: Classification, Labelling and Packaging of substances and mixtures

ECHA: European Chemicals Agency

EC50: Effective Concentration, 50 percent

IC50: Inhibitory Concentration, 50 percent

LL/EL/IL: Lethal Loading/Exposure Limit/Inhibition Limit

LL50: Lethal Loading, 50 percent

EL50: Effective Loading, 50 percent

IL50: Inhibitory Level, 50 percent

NOEC/NOEL: No Observed Effect Concentration / No Observed Effect Level

OECD: Organisation for Economic Cooperation and Development

Aerosol 1: Aerosols – Category 1

Press. Gas (Liq.): Gases under pressure – Liquefied gas

Flam. Liq. 3: Flammable liquids – Category 3

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Asp. Tox. 1: Aspiration hazard – Category 1

· **Key literature references and sources for data:**

- Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU

- Regulation (EC) No. 1272/2008 (CLP, EU GHS)

- ECHA database on registered substances

- EU IUCLID Database

- Material suppliers' data

· *** Data compared to the previous version altered.**