

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 28.05.2015

Version number 3

Revision 28.05.2015

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

- **1.1 Product identifier**
- **Trade name: Interflon Foam Clean (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** Industrial cleaner
- **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
Fax: +31(0)165.53.80.82
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
Tel: +31 (0)165 55 39 11 (Monday to Friday from 8:30am to 17:00pm)

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
Flam. Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
- **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

- **Signal word** Danger
- **Hazard statements**
H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
- **Precautionary statements**
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P251 Do not pierce or burn, even after use.
P211 Do not spray on an open flame or other ignition source.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
- **Additional information:**
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking.
- **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.

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 28.05.2015

Version number 3

Revision 28.05.2015

Trade name: Interflon Foam Clean (aerosol)

(Contd. of page 1)

 · **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, surface-active substances and water. Propellant gas propane, butane and isobutane.

· Dangerous components:

CAS: 106-97-8 EINECS: 203-448-7	butane (Nota K, <0,1% 1,3-butadiene) Flam. Gas 1, H220; Press. Gas C, H280	2,5-10%
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	2,5-10%
CAS: 74-98-6 EINECS: 200-827-9 Reg.nr.: 01-2119486944-21	propane Flam. Gas 1, H220; Press. Gas C, H280	2,5-10%
CAS: 75-28-5 EINECS: 200-857-2	isobutane (Nota K, <0,1% 1,3-butadiene) Flam. Gas 1, H220; Press. Gas C, H280	≤ 2,5%
CAS: 67-63-0 EINECS: 200-661-7 Reg.nr.: 01-2119457558-25	propan-2-ol Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	≤ 2,5%
CAS: 1336-21-6 EINECS: 215-647-6	ammonia 25% Skin Corr. 1B, H314; Aquatic Acute 1, H400	≤ 2,5%

· 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

d-limonene	< 5%
------------	------

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

SECTION 4: First aid measures

· 4.1 Description of 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.

 · **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.

 · **4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

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.

(Contd. on page 3)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 28.05.2015

Version number 3

Revision 28.05.2015

Trade name: Interflon Foam Clean (aerosol)

(Contd. of page 2)

- Carbon monoxide (CO)
- **5.3 Advice for firefighters**
- **Protective equipment:**
Wear self-contained respiratory protective device.
Use personal protective equipment.

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:** Ensure adequate ventilation.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling.
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:**
Do not spray onto a naked flame or any incandescent material.
Keep ignition sources away - Do not smoke.
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 a cool location.
Observe official regulations on storing packagings with pressurised containers.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Protect from heat and direct sunlight.
Store in a cool and dry 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:

106-97-8 butane (Nota K, <0,1% 1,3-butadiene)

WEL	Short-term value: 1810 mg/m ³ , 750 ppm Long-term value: 1450 mg/m ³ , 600 ppm Carc (if more than 0.1% of buta-1.3-diene)
-----	---

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

WEL	Short-term value: 560 mg/m ³ , 150 ppm Long-term value: 375 mg/m ³ , 100 ppm Sk
-----	---

(Contd. on page 4)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 28.05.2015

Version number 3

Revision 28.05.2015

Trade name: Interflon Foam Clean (aerosol)

(Contd. of page 3)

67-63-0 propan-2-ol

WEL	Short-term value: 1250 mg/m ³ , 500 ppm Long-term value: 999 mg/m ³ , 400 ppm
-----	--

· **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.

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.

· **Protection of hands:**

No chemical-protective gloves required.

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

· **Material of gloves**

Not required.

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**

Not required.

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Tightly sealed goggles (EN166)

· **Body protection:** Protective work clothing (EN340)

SECTION 9: Physical and chemical properties

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

· **General Information**

· **Appearance:**

Form: Aerosol

Colour: Colourless

· **Odour:** Ammonia-like

· **Odour threshold:** Not determined.

· **pH-value at 20 °C:** 10.4

· **Change in condition**

Melting point/Melting range: 0 °C

Boiling point/Boiling range: 78 - 199 °C

· **Flash point:** < 0 °C

(Contd. on page 5)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 28.05.2015

Version number 3

Revision 28.05.2015

Trade name: Interflon Foam Clean (aerosol)

(Contd. of page 4)

· Flammability (solid, gaseous):	Flammable.
· Ignition temperature:	207 °C
· Decomposition temperature:	Not determined.
· Self-igniting:	Product is not selfigniting.
· Danger of explosion:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· Explosion limits:	
Lower:	1.3 Vol %
Upper:	12.0 Vol %
· Vapour pressure at 20 °C:	4200 hPa
· Density at 20 °C:	0.93 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not applicable.
· Solubility in / Miscibility with water:	Fully miscible.
· Viscosity:	
Dynamic at 20 °C:	1 mPas
Kinematic:	Not determined.
· 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
To avoid thermal decomposition do not overheat.
Conditions to be avoided: sun-ray, temperatures above 50 °C, open fire, piercing can.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **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:** No further relevant information available.
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitisation:** No sensitising effects known.
- **Subacute to chronic toxicity:** No further relevant information available.
- **Additional toxicological information:** No further relevant information available.

(Contd. on page 6)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 28.05.2015

Version number 3

Revision 28.05.2015

Trade name: Interflon Foam Clean (aerosol)

(Contd. of page 5)

- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
This product does not fulfil the criteria for classification of CMR (carcinogen, mutagen, toxic to reproduction).

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **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. Do not allow product to reach sewage system.

· **European waste catalogue**

20 01 15*	alkalines L 47/30 16.2.2001 Official Journal of the European Communities EN
16 05 04*	gases in pressure containers (including halons) containing dangerous substances
15 01 04	metallic packaging

- **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** 1950 AEROSOLS
- **IMDG** AEROSOLS
- **IATA** AEROSOLS, flammable

(Contd. on page 7)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 28.05.2015

Version number 3

Revision 28.05.2015

Trade name: Interflon Foam Clean (aerosol)

(Contd. of page 6)

· **14.3 Transport hazard class(es)**

· **ADR**



· **Class** 2.1 5F Gases.
· **Label** 2.1

· **IMDG, IATA**



· **Class** 2.1
· **Label** 2.1

· **14.4 Packing group**

· **ADR, IMDG, IATA** Void

· **14.5 Environmental hazards:**

· **Marine pollutant:** No

· **14.6 Special precautions for user**

Warning: Gases.

· **Danger code (Kemler):**

-

· **EMS Number:**

F-D,S-U

· **14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

· **Transport/Additional information:**

· **ADR**

· **Limited quantities (LQ)** 1L

· **Transport category** 2

· **Tunnel restriction code** D

· **UN "Model Regulation":** UN1950, AEROSOLS, 2.1

SECTION 15: Regulatory information

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

· **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.

· **Relevant phrases**

H220 Extremely flammable gas.

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

(Contd. on page 8)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 28.05.2015

Version number 3

Revision 28.05.2015

Trade name: Interflon Foam Clean (aerosol)

(Contd. of page 7)

H280 Contains gas under pressure; may explode if heated.

H314 Causes severe skin burns and eye damage.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H400 Very toxic to aquatic life.

· **Department issuing MSDS:** 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)

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Flam. Gas 1: Flammable gases, Hazard Category 1

Flam. Aerosol 1: Flammable aerosols, Hazard Category 1

Press. Gas C: Gases under pressure: Compressed gas

Flam. Liq. 2: Flammable liquids, Hazard Category 2

Flam. Liq. 3: Flammable liquids, Hazard Category 3

Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

Aquatic Acute 1: Hazardous to the aquatic environment - Acute Hazard, Category 1

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