

1 Identification

- **Product identifier**
- **Trade name:** *Interflon Food Grease HD2*
- **Application of the substance / the mixture** *Lubricant*
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
 Manufacturer:
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
- Supplier:
Interflon USA
555 Route 78
Suite 403
Swanton, Vermont
05488 USA
Tel. 1 877 FIN LUBE (toll free)
Fax: 1 877 491 7981
- **Information department:** *Product safety department*
- **Emergency telephone number:** *Tel: +31 (0)165 55 39 11 (Monday to Friday from 8:30am to 17:00pm)*

2 Hazard(s) identification

- **Classification of the substance or mixture**
The product is not classified according to the Globally Harmonized System (GHS).

- **Label elements**
- **GHS label elements** *Void*
- **Hazard pictograms** *Void*
- **Signal word** *Void*
- **Hazard statements** *Void*
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**

HEALTH	0	Health = *0
FIRE	1	Fire = 1
REACTIVITY	0	Reactivity = 0

- **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.*

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

3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Description:** Blend of synthetic oils, calcium sulfonate thickener, additives and Teflon®.

· **Dangerous components:**

CAS: 68584-23-6 EINECS: 271-529-4	Benzenesulfonic acid, C10-16alkyl derivs., calcium salts	2.5 – 10%
CAS: 26264-06-2 EINECS: 247-557-8	calcium dodecylbenzenesulfonate	2.5 – 10%
CAS: 70024-69-0 EINECS: 274-263-7	Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts	≤ 2.5%
CAS: 61789-86-4 EINECS: 263-093-9	Sulfonic acids, petroleum, calcium salts	≤ 2.5%

· **Additional information:** See SDS Section 16 for full text of hazard statements.

4 First-aid measures

· **Description of first aid measures**

· **General information:** No special measures required.

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

· **After skin contact:** If skin irritation or rash occurs: Get medical advice/attention.

· **After eye contact:** Rinse opened eye for several minutes under running water.

· **After swallowing:** If symptoms persist consult doctor.

· **Information for doctor:**

· **Most important symptoms and effects, both acute and delayed**

Acute and delayed effects are indicated in sections 2 and 11.

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

No further relevant information available.

5 Fire-fighting measures

· **Extinguishing media**

· **Suitable extinguishing agents:**

Use fire fighting measures that suit the environment.

CO₂, sand, extinguishing powder. Do not use water.

Foam

· **For safety reasons unsuitable extinguishing agents:** Water

· **Special hazards arising from the substance or mixture**

Formation of toxic gases is possible during heating or in case of fire.

Carbon monoxide (CO)

Hydrogen fluoride and other fluoride compounds.

· **Advice for firefighters**

· **Protective equipment:**

Wear self-contained respiratory protective device.

Use personal protective equipment (EN469).

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· **Additional information**

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures**

Wear protective clothing.

Particular danger of slipping on leaked/spilled product.

· **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

· **Methods and material for containment and cleaning up:**

Clear spills immediately.

Pick up mechanically.

Remove residues with alkaline cleaning agent.

· **Reference to other sections**

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

· **Protective Action Criteria for Chemicals**

· **PAC-1 (Substances not listed):**

8042-47-5	White mineral oil (petroleum) (Nota L, <3% dimethyl sulfoxide)
68584-23-6	Benzenesulfonic acid, C10-16alkyl derivs., calcium salts
26264-06-2	calcium dodecylbenzenesulfonate
70024-69-0	Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts
68411-46-1	Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene
61789-86-4	Sulfonic acids, petroleum, calcium salts

· **PAC-2 (Substances not listed):**

8042-47-5	White mineral oil (petroleum) (Nota L, <3% dimethyl sulfoxide)
68584-23-6	Benzenesulfonic acid, C10-16alkyl derivs., calcium salts
26264-06-2	calcium dodecylbenzenesulfonate
70024-69-0	Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts
68411-46-1	Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene
61789-86-4	Sulfonic acids, petroleum, calcium salts

· **PAC-3 (Substances not listed):**

8042-47-5	White mineral oil (petroleum) (Nota L, <3% dimethyl sulfoxide)
68584-23-6	Benzenesulfonic acid, C10-16alkyl derivs., calcium salts
26264-06-2	calcium dodecylbenzenesulfonate
70024-69-0	Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts
68411-46-1	Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene
61789-86-4	Sulfonic acids, petroleum, calcium salts

7 Handling and storage

· **Handling:**

· **Precautions for safe handling** No special precautions are necessary if used correctly.

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- **Information about protection against explosions and fires:** No special measures required.
- **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.
Keep container tightly closed.
Store in a dry place.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
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.
- **Breathing equipment:** Not required.
- **Protection of hands:**
No chemical-protective gloves required.
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**
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.
Practical experience has shown that gloves of neoprene, Nitril and PVC offer sufficient protection.
Breakthrough time: < 60 minutes
- **Penetration time of glove material**
Not required.
The penetration times are not determined by method EN 374 Part 3.
- **Eye protection:** Not required.
- **Body protection:** Wear appropriate protective clothing (EN ISO 13688).

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9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
 - Form: Pasty
 - Color: Light brown
- **Odor:** Odorless
- **Odor threshold:** Not determined.
- **pH-value:** Not applicable.
- **Change in condition**
 - Melting point/Melting range: Not applicable.
 - Boiling point/Boiling range: Not applicable.
- **Flash point:** > 180 °C (> 356 °F)
- **Flammability (solid, gaseous):** Not determined.
- **Ignition temperature:** Not determined.
- **Decomposition temperature:** Not determined.
- **Auto igniting:** Product is not selfigniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Explosion limits:**
 - Lower: Not determined.
 - Upper: Not determined.
- **Vapor pressure:** Not applicable.
- **Density at 20 °C (68 °F):** 0.97 g/cm³ (8.095 lbs/gal)
- **Relative density** Not determined.
- **Vapor density** Not applicable.
- **Evaporation rate** Not applicable.
- **Solubility in / Miscibility with**
 - Water: Insoluble.
- **Viscosity:**
 - Dynamic at 20 °C (68 °F): 550 Pas
 - Kinematic: Not applicable.
 - VOC content: 0.00 %
- **Other information** 0.0 g/l / 0.00 lb/gl
No further relevant information available.

10 Stability and reactivity

- **Reactivity** No reactivity hazards known under normal storage and use conditions.
- **Chemical stability** Stable under normal storage and use conditions.
- **Thermal decomposition / conditions to be avoided:** To avoid thermal decomposition do not overheat.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.

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- **Incompatible materials:** Strong oxidising agents.
- **Hazardous decomposition products:**
Carbon monoxide and partially combusted carbohydrates can be released during thermal decomposition.
Fluoride compounds can be released from 400 °C.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

26264-06-2 calcium dodecylbenzenesulfonate

Dermal	LD50	> 4199 mg/kg (Rabbit) (read-across approach)
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68411-46-1 Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene

Oral	LD50	> 2000 mg/kg (Rat) (OECD 401)
Dermal	LD50	> 2000 mg/kg (Rat)

61789-86-4 Sulfonic acids, petroleum, calcium salts

Oral	LD50	> 5000 mg/kg (Rat) (OECD 401)
Dermal	LD50	> 4000 mg/kg (Rabbit) (OECD 402)

- **Primary irritant effect:**
- **on the skin:** No further relevant information available.
- **on the eye:**
No eye irritation.
Based on data from similar materials.
- **Sensitization:**
Does not cause skin sensitization.
Based on data from similar materials.
- **Subacute to chronic toxicity:** No further relevant information available.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
The thermal decomposition vapours of fluorinated polymers may cause polymer fume fever, which has flu-like symptoms in humans, especially when smoking contaminated tobacco.
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer) (Substances not listed)**

8042-47-5	White mineral oil (petroleum) (Nota L, <3% dimethyl sulfoxide)
68584-23-6	Benzenesulfonic acid, C10-16alkyl derivs., calcium salts
26264-06-2	calcium dodecylbenzenesulfonate
70024-69-0	Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts
68411-46-1	Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene
61789-86-4	Sulfonic acids, petroleum, calcium salts

- **NTP (National Toxicology Program) (Substances not listed)**

8042-47-5	White mineral oil (petroleum) (Nota L, <3% dimethyl sulfoxide)
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68584-23-6	Benzenesulfonic acid, C10-16alkyl derivs., calcium salts
9002-84-0	Polytetrafluoroethylene
26264-06-2	calcium dodecylbenzenesulfonate
70024-69-0	Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts
68411-46-1	Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene
61789-86-4	Sulfonic acids, petroleum, calcium salts
9002-84-0	Polytetrafluoroethylene
· OSHA-Ca (Occupational Safety & Health Administration) (Substances not listed)	
None of the ingredients is listed.	

12 Ecological information

· Toxicity

· Aquatic toxicity:

26264-06-2 calcium dodecylbenzenesulfonate

LC50 96 hr 22 mg/l (Fish) (OECD 203)
(read-across approach)

EC50 48 hr 2.5 mg/l (Daphnia) (OECD 202)
(read-across approach)

68411-46-1 Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene

LC50 96 hr > 71 mg/l (Fish) (OECD 203)

EC50 48 hr 51 mg/l (Daphnia) (OECD 202)

61789-86-4 Sulfonic acids, petroleum, calcium salts

LC50 96 hr > 10000 mg/l (Fish) (OECD 203)

EC50 48 hr > 100 mg/l (Daphnia) (OECD 202)

· Persistence and degradability

26264-06-2 calcium dodecylbenzenesulfonate

Biodegradability 73 % (-)
(read-across approach)

68411-46-1 Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene

Biodegradability 1 % (-) (OECD 301B)

61789-86-4 Sulfonic acids, petroleum, calcium salts

Biodegradability 8.6 % (-)

· Behavior in environmental systems:

· **Bioaccumulative potential** No further relevant information available.

· **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.

· 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.

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· **Other adverse effects** No further relevant information available.

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13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Waste should not be disposed of by release to sewers.
- **Uncleaned packagings:**
- **Recommendation:**
Dispose of contents/container in accordance with local/regional/national/international regulations.

14 Transport information

- | | |
|--|-----------------|
| · UN-Number | |
| · DOT, ADR, ADN, IMDG, IATA | Void |
| · UN proper shipping name | |
| · DOT, ADR, ADN, IMDG, IATA | Void |
| · Transport hazard class(es) | |
| · DOT, ADR, ADN | |
| · Class | Void |
| · Packing group | |
| · DOT, ADR, IMDG, IATA | Void |
| · Environmental hazards: | Not applicable. |
| · Special precautions for user | Not applicable. |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · UN "Model Regulation": | Void |

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**
- **Section 355 (extremely hazardous substances) (Substances not listed):**
None of the ingredient is listed.
- **Section 313 (Specific toxic chemical listings) (Substances not listed):**
None of the ingredients is listed.
- **TSCA (Toxic Substances Control Act) (Substances not listed):**
All ingredients are listed.

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· **Proposition 65**

· **Chemicals known to cause cancer (Substances not listed):**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females (Substances not listed):**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males (Substances not listed):**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity (Substances not listed):**

None of the ingredients is listed.

· **Cancerogenity categories**

· **EPA (Environmental Protection Agency) (Substances not listed)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH) (Substances not listed)**

None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health) (Substances not listed)**

None of the ingredients is listed.

· **GHS label elements** Void

· **Hazard pictograms** Void

· **Signal word** Void

· **Hazard statements** Void

· **National regulations:**

· **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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.

· **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.

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

· **Contact:**

Head Laboratory

Email: service@interflon.com

· **Date of preparation / last revision** 09/05/2018 / 4

· **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

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

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ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal Concentration, 50 percent
LD50: Lethal Dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
CLP: Classification, Labelling and Packaging of substances and mixtures
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
· *** Data compared to the previous version altered.**

US