

## Interflon Grease HD2

**Version number:**  
5.4  
Replaces version: (5)

**Date of issue**  
2022-09-27

Revision: 2022-09-27

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

#### 1.1 Product identifier

Trade name **Interflon Grease HD2**

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

Applications 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

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

#### 1.4 Emergency telephone number

+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 acc. to GHS  
This mixture does not meet the criteria for classification.

#### 2.2 Label elements

Labelling

- Signal word. not required

- Pictograms not required

- Supplemental hazard information

EUH208 Contains Naphthenic acids, zinc salts, basic. May produce an allergic reaction.  
EUH210 Safety data sheet available on request.

#### 2.3 Other hazards

There is no additional information. This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB. This product does not contain 'Substances of Very High Concern' (SVHC) which are very hazardous to human health or the environment. (SVHC <0.1% (w/w) Regulation (EC) No. 1907/2006 (REACH), Article 57).

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### SECTION 3: Composition/information on ingredients

#### 3.1 Substances

Not relevant (mixture)

#### 3.2 Mixtures

Product description

Mixture of mineral oils, thickener, additives and MicPol®

Hazardous ingredients

Name of substance	Identifier	Wt%	Classification acc. to GHS	Notes
Naphthenic acids, zinc salts, basic	CAS No 84418-50-8	1 – < 5	Eye Irrit. 2 / H319 Skin Sens. 1A / H317 Aquatic Chronic 3 / H412	

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 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

If skin irritation or rash occurs: Get medical advice/attention.

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. Get medical advice/attention if you feel unwell.

#### 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 mist, Fire extinguishing powder, Carbon dioxide (CO<sub>2</sub>)

Unsuitable extinguishing media

Water jet

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### 5.2 Special hazards arising from the substance or mixture

May produce toxic fumes of carbon monoxide if burning.

### 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

Place in appropriate containers for disposal. Ventilate affected area.

### 6.4 Reference to other sections

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.

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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 of the mixture						
Name of substance	CAS No	Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
Naphthenic acids, zinc salts, basic	84418-50-8	DNEL	4.93 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
Naphthenic acids, zinc salts, basic	84418-50-8	DNEL	1.4 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects

Relevant PNECs of components of the mixture						
Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
Naphthenic acids, zinc salts, basic	84418-50-8	PNEC	20.6 µg/l	aquatic organisms	freshwater	short-term (single instance)
Naphthenic acids, zinc salts, basic	84418-50-8	PNEC	6.1 µg/l	aquatic organisms	marine water	short-term (single instance)
Naphthenic acids, zinc salts, basic	84418-50-8	PNEC	52 µg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Naphthenic acids, zinc salts, basic	84418-50-8	PNEC	117.8 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Naphthenic acids, zinc salts, basic	84418-50-8	PNEC	56.5 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Naphthenic acids, zinc salts, basic	84418-50-8	PNEC	35.6 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

- Use protective eyewear to guard against splash of liquids.

##### Skin protection

- Hand protection
- Not applicable.

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**- Other protection measures**

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

**Respiratory protection**

Not applicable.

**Environmental exposure controls**

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

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

Physical state	liquid
Colour	brown
Odour	Like oil
Melting point/freezing point	not determined
Boiling point or initial boiling point and boiling range	not determined
Flammability	non-combustible
Lower and upper explosion limit	not determined
Flash point	>150 °C
Auto-ignition temperature	
Decomposition temperature	not relevant
pH (value)	not determined
Kinematic viscosity	not determined
Solubility(ies)	not determined

**Partition coefficient**

Partition coefficient n-octanol/water (log value)	this information is not available
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Vapour pressure	not determined
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**Density and/or relative density**

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Density	1 g/ml at 20 °C
Relative vapour density	information on this property is not available

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

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

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

### 10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

### 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

There is no additional information.

### 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

This mixture does not meet the criteria for classification.

#### Acute toxicity

Shall not be classified as acutely toxic.

GHS of the United Nations, annex 4: May be harmful if inhaled.

#### Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

#### Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

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### Respiratory or skin sensitisation

Contains Naphthenic acids, zinc salts, basic. May produce an allergic reaction.

### Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

### Carcinogenicity

Shall not be classified as carcinogenic.

### 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.

## 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

None of the ingredients are listed.

### 12.7 Other adverse effects

Data are not available.

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### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packageings

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

#### Relevant provisions relating to waste

List of wastes

- Product  
20 01 26\* oil and fat other than those mentioned in 20 01 25

#### 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

- |   |   |
|---|---|
| <b>14.1 UN number or ID number</b>                                  | not subject to transport regulations                                  |
| <b>14.2 UN proper shipping name</b>                                 | not relevant  |
| <b>14.3 Transport hazard class(es)</b>                              | none  |
| <b>14.4 Packing group</b>   | not assigned  |
| <b>14.5 Environmental hazards</b>                                   | non-environmentally hazardous acc. to the dangerous goods regulations |
| <b>14.6 Special precautions for user</b>                            | There is no additional information.                                   |
| <b>14.7 Maritime transport in bulk according to IMO instruments</b> | The cargo is not intended to be carried in bulk.                      |

#### Information for each of the UN Model Regulations

##### **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



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### Relevant provisions of the European Union (EU)

#### Seveso Directive

2012/18/EU (Seveso III)			
No	Dangerous substance/hazard categories	Qualifying quantity (tonnes) for the application of lower and upper-tier requirements	Notes
	not assigned		

#### Industrial Emissions Directive (IED)

VOC content	1 %
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#### Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)

none of the ingredients are listed

#### Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

none of the ingredients are listed

#### Water Framework Directive (WFD)

none of the ingredients are listed

#### Regulation on persistent organic pollutants (POP)

None of the ingredients are listed.

#### National inventories

Country	Inventory	Status
CA	DSL	all ingredients are listed
EU	REACH Reg.	all ingredients are listed or exempt from listing
US	TSCA	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

### Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
1.1	Registration number (REACH): not relevant (mixture)		yes
1.2	Scope: lubricant		yes
1.2		Applications: lubricant	yes

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Section	Former entry (text/value)	Actual entry (text/value)	Safety-rel- evant
1.3	e-mail (competent person): Service@interflon.com (Service lab)	e-mail (competent person): msds.uk@interflon.com	yes
1.4	Emergency telephone number	Emergency telephone number: +31 (0)165 55 39 11 (Monday to Friday from 8:30am to 17:00pm).	yes
1.4		Emergency telephone number: change in the listing (table)	yes
2.1	Classification according to Regulation (EC) No 1272/2008 (CLP): This mixture does not meet the criteria for classi- fication in accordance with Regulation No 1272/ 2008/EC.	Classification acc. to GHS: This mixture does not meet the criteria for classi- fication.	yes
2.3	Other hazards: Special danger of slipping by leaking/spilling product.	Other hazards: There is no additional information. This mixture does not contain any substances that are as- sessed to be a PBT or a vPvB.	yes
2.3	Results of PBT and vPvB assessment: This mixture does not contain any substances that are assessed to be a PBT or a vPvB. Ce produit ne contient pas «substances extrêmement préoccupantes» (SVHC) qui sont très dangereux pour la santé humaine ou l'environnement. (SVHC <0,1% (g/g) Règlement (CE) n ° 1907/2006 (REACH), article 57).	Results of PBT and vPvB assessment: This mixture does not contain any substances that are assessed to be a PBT or a vPvB. This product does not contain 'Substances of Very High Con- cern' (SVHC) which are very hazardous to human health or the environment. (SVHC <0.1% (w/w) Regulation (EC) No. 1907/2006 (REACH), Article 57).	yes
3.2	Hazardous ingredients: None.		yes
3.2		Hazardous ingredients: change in the listing (table)	yes
3.2		Hazardous ingredients: For full text of Hazard- and EU Hazard-statements: see SECTION 16.	yes
4.1	Following skin contact: Wash with plenty of soap and water.	Following skin contact: If skin irritation or rash occurs: Get medical ad- vice/attention.	yes
4.1	Following ingestion: Rinse mouth with water (only if the person is con- scious). Do NOT induce vomiting.	Following ingestion: Rinse mouth with water (only if the person is con- scious). Do NOT induce vomiting. Get medical advice/attention if you feel unwell.	yes
5.1	Suitable extinguishing media: Water spray, BC-powder, Carbon dioxide (CO2)	Suitable extinguishing media: Water mist, Fire extinguishing powder, Carbon di- oxide (CO2)	yes
5.2	Special hazards arising from the substance or mixture	Special hazards arising from the substance or mixture: May produce toxic fumes of carbon monoxide if burning.	yes
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 contam- inated firefighting water separately. Fight fire with normal precautions from a reasonable dis- tance.	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 contam- inated firefighting water separately. Fight fire with normal precautions from a reasonable dis- tance. Use suitable breathing apparatus.	yes

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Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
7.1	Advice on general occupational hygiene: Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.	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.	yes
7.2	- Flammability hazards: Do not expose to temperatures exceeding 50 °C/ 122 °F.	- Flammability hazards: Keep in a cool place.	yes
8.1	Control parameters: no data available	Control parameters	yes
8.2	General safety precautions: Use only in well-ventilated areas. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin and eyes. Do not eat, drink and smoke in work areas.	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.	yes
8.2	Eye/face protection: Wear eye/face protection. Use safety goggle with side protection.	Eye/face protection: Use protective eyewear to guard against splash of liquids.	yes
8.2	Hand protection: Not required.	Hand protection: Not applicable.	yes
8.2	Respiratory protection: Not required.	Respiratory protection: Not applicable.	yes
9.1	Physical state: liquid (paste)	Physical state: liquid	yes
9.1	Colour: various	Colour: brown	yes
9.1	Odour: characteristic	Odour: Like oil	yes
9.1	Melting point/freezing point: <-80 °C	Melting point/freezing point: not determined	yes
9.1	Boiling point or initial boiling point and boiling range: 317 °C at 99,094 Pa	Boiling point or initial boiling point and boiling range: not determined	yes
9.1	Flammability: this material is combustible, but will not ignite readily	Flammability: non-combustible	yes
9.1	Auto-ignition temperature: not determined	Auto-ignition temperature	yes
9.1	Density: 0.87 g/cm <sup>3</sup> at 20 °C	Density: 1 g/ml at 20 °C	yes
9.1		Relative vapour density: information on this property is not available	yes
9.1	Particle characteristics: no data available	Particle characteristics: not relevant (liquid)	yes

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Section	Former entry (text/value)	Actual entry (text/value)	Safety-rel- evant
11.1	Classification according to GHS (1272/2008/EC, CLP): This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.	Classification acc. to GHS: This mixture does not meet the criteria for classification.	yes
12.5	Results of PBT and vPvB assessment: Data are not available.	Results of PBT and vPvB assessment: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.	yes
14.2	UN proper shipping name: not assigned	UN proper shipping name: not relevant	yes
14.7	Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN) - Additional information: not assigned		yes
15.1	Restrictions according to REACH, Annex XVII		yes
15.1		Dangerous substances with restrictions (REACH, Annex XVII): change in the listing (table)	yes
15.1	List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list: none of the ingredients are listed		yes
15.1	Deco-Paint Directive (2004/42/EC)		yes
15.1	VOC content: 0.66 %		yes
15.1	VOC content: 4.07 %	VOC content: 1 %	yes
15.1		Regulation on persistent organic pollutants (POP): None of the ingredients are listed.	yes
16		Abbreviations and acronyms: change in the listing (table)	yes
16	Key literature references and sources for data: Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU. Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).	Key literature references and sources for data: Agreement concerning the International Carriage of Dangerous Goods by Road (ADR). Regulations concerning the International Carriage of Dangerous Goods by Rail (RID). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).	yes

### Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
ADR	Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)
Aquatic Chronic	Hazardous to the aquatic environment - chronic hazard
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

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Abbr.	Descriptions of used abbreviations
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
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)
Skin Sens.	Skin sensitisation
VOC	Volatile Organic Compounds
vPvB	Very Persistent and very Bioaccumulative

### Key literature references and sources for data

Agreement concerning the International Carriage of Dangerous Goods by Road (ADR). Regulations concerning the International Carriage of Dangerous Goods by Rail (RID). 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
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.

### Disclaimer

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