

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 08.08.2018

Version number 6

Revision 08.08.2018

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

- **1.1 Product identifier**
- **Trade name:** *Interflon Clean Special*
- **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
Email: service@interflon.com
www.interflon.com
- **Further information obtainable from:** *Product safety department*
- **1.4 Emergency telephone number:**
Emergency medical information: 8am-10pm (seven days) contact National Poisons Information Centre, Beaumont Hospital, Dublin 9. Tel 01 8092566.

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
Met. Corr.1 H290 May be corrosive to metals.
Skin Corr. 1B H314 Causes severe skin burns and eye damage.
Eye Dam. 1 H318 Causes serious eye damage.
- **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**



GHS05

- **Signal word** *Danger*
- **Hazard-determining components of labelling:**
phosphoric acid
Benzenesulfonic acid, 4-C10-13-sec-alkylderivs.
Fatty alcohol polyglycolether
hydrogen chloride
- **Hazard statements**
H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.
- **Precautionary statements**
P260 Do not breathe mist/vapours/spray.

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 08.08.2018

Version number 6

Revision 08.08.2018

Trade name: Interflon Clean Special

(Contd. of page 1)

- P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.
P390 Absorb spillage to prevent material damage.

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:** Mixture of inorganic acids, surface-active substances and water.

Dangerous components:

CAS: 7664-38-2 EINECS: 231-633-2 Reg.nr.: 01-2119485924-24	phosphoric acid Met. Corr.1, H290; Skin Corr. 1B, H314	25 – 50%
CAS: 111-76-2 EINECS: 203-905-0 Reg.nr.: 01-2119475108-36	2-butoxyethanol Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319	2.5 – 10%
CAS: 9043-30-5	Fatty alcohol polyglycolether Eye Dam. 1, H318; Aquatic Chronic 3, H412	0.1 – ≤2.5%
CAS: 85536-14-7 EINECS: 287-494-3 Reg.nr.: 01-2119490234-40	Benzenesulfonic acid, 4-C10-13-sec-alkylderivs. Skin Corr. 1B, H314; Eye Dam. 1, H318; Acute Tox. 4, H302; Aquatic Chronic 3, H412	1 – ≤2.5%
CAS: 77-92-9 EINECS: 201-069-1 Reg.nr.: 01-2119457026-42	citric acid Eye Irrit. 2, H319	0.1 – ≤2.5%
CAS: 7647-01-0 EINECS: 231-595-7 Reg.nr.: 01-2119484862-27	hydrogen chloride Met. Corr.1, H290; Skin Corr. 1B, H314; STOT SE 3, H335	0.1 – ≤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

phosphates	≥30%
non-ionic surfactants, anionic surfactants, phosphonates	<5%

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

SECTION 4: First aid measures

4.1 Description of first aid measures

- **General information:** Immediately remove any clothing soiled by the product.

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 08.08.2018

Version number 6

Revision 08.08.2018

Trade name: Interflon Clean Special

(Contd. of page 2)

- **After inhalation:**
Remove person to fresh air and keep comfortable for breathing.
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:**
Take off immediately all contaminated clothing.
Rinse skin with water [or shower].
Immediately rinse with water.
Immediately call a POISON CENTER/doctor.
- **After eye contact:**
Rinse cautiously with water for several minutes.
Immediately call a POISON CENTER/doctor.
- **After swallowing:**
Rinse out mouth.
Do NOT induce vomiting.
Immediately call a POISON CENTER/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.

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**
Mount respiratory protective device.
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
- **6.2 Environmental precautions:**
Do not allow to enter sewers/ surface or ground water.
Dilute with plenty of water.
- **6.3 Methods and material for containment and cleaning up:**
Clear spills immediately.
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 08.08.2018

Version number 6

Revision 08.08.2018

Trade name: Interflon Clean Special

(Contd. of page 3)

Use neutralising agent.
 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.
 Do not breathe mist/vapours/spray.
- **Information about fire - and explosion protection:** Keep respiratory protective device available.
- **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.
 Keep container tightly closed.
 Store in a dry place.
- **Information about storage in one common storage facility:** Do not store together with alkaline products.
- **Further information about storage conditions:** None.
- **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:**

7664-38-2 phosphoric acid

OEL (Ireland) Short-term value: 2 mg/m³
 Long-term value: 1 mg/m³
 IOELV

OELV (Ireland) Short-term value: 2 mg/m³
 Long-term value: 1 mg/m³

IOELV (EU) Short-term value: 2 mg/m³
 Long-term value: 1 mg/m³

111-76-2 2-butoxyethanol

OEL (Ireland) Short-term value: 246 mg/m³, 50 ppm
 Long-term value: 98 mg/m³, 20 ppm
 Sk, IOELV

OELV (Ireland) Short-term value: 246 mg/m³, 50 ppm
 Long-term value: 98 mg/m³, 20 ppm
 Sk

IOELV (EU) Short-term value: 246 mg/m³, 50 ppm
 Long-term value: 98 mg/m³, 20 ppm
 Skin

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 08.08.2018

Version number 6

Revision 08.08.2018

Trade name: Interflon Clean Special

(Contd. of page 4)

7647-01-0 hydrogen chloride

OEL (Ireland)	Short-term value: 15 mg/m ³ , 10 ppm Long-term value: 8 mg/m ³ , 5 ppm IOELV
OELV (Ireland)	Short-term value: 14 mg/m ³ , 10 ppm Long-term value: 7 mg/m ³ , 5 ppm
IOELV (EU)	Short-term value: 15 mg/m ³ , 10 ppm Long-term value: 8 mg/m ³ , 5 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.

Immediately remove all soiled and contaminated clothing

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:**

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



Protective gloves

· **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 Nitril offer sufficient protection.

Glove thickness: 0,13 mm

Breakthrough time: > 15 minutes

· **Penetration time of glove material**

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:** Wear suitable protective clothing (EN ISO 13688).

IE

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 08.08.2018

Version number 6

Revision 08.08.2018

Trade name: *Interflon Clean Special*

(Contd. of page 5)

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

Form:	Liquid
Colour:	Colourless
Odour:	Sweetish
Odour threshold:	Not determined.

· pH-value at 20 °C: < 1

· Change in condition

Melting point/freezing point:	< 0 °C
Initial boiling point and boiling range:	100 °C

· Flash point: Not applicable.

· Flammability (solid, gas): Not applicable.

· Ignition temperature: Not determined.

· Decomposition temperature: Not determined.

· Auto-ignition temperature: Product is not selfigniting.

· Explosive properties: Product does not present an explosion hazard.

· Explosion limits:

Lower:	Not determined.
Upper:	Not determined.

· Vapour pressure: Not determined.

· Density at 20 °C: 1.2 g/cm³

· Relative density: Not determined.

· Vapour density: Not determined.

· Evaporation rate: Not determined.

· Solubility in / Miscibility with water:

Fully miscible.

· Viscosity:

Dynamic at 20 °C:	50 mPas
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.

· Thermal decomposition / conditions to be avoided: To avoid thermal decomposition do not overheat.

· 10.3 Possibility of hazardous reactions: Strong exothermic reaction with alkali.

· 10.4 Conditions to avoid: No further relevant information available.

· 10.5 Incompatible materials: Strong oxidising agents.

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 08.08.2018

Version number 6

Revision 08.08.2018

Trade name: Interflon Clean Special

(Contd. of page 6)

· 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:

7664-38-2 phosphoric acid

Oral	LD50	2600 mg/kg (Rat)
Dermal	LD50	2740 mg/kg (Rabbit)

111-76-2 2-butoxyethanol

Oral	LD50	> 400 mg/kg (Rat)
Dermal	LD50	2270 mg/kg (Rat)
Inhalative	LC50/4 h	> 2.2 mg/l (Rat)

85536-14-7 Benzenesulfonic acid, 4-C10-13-sec-alkylderivs.

Oral	LD50	1470 mg/kg (Rat)
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77-92-9 citric acid

Oral	LD50	5400 mg/kg (Mouse)
Dermal	LD50	> 2000 mg/kg (Rat)

7647-01-0 hydrogen chloride

Dermal	LD50	> 5000 mg/kg (Rabbit)
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· **Primary irritant effect:**

· **Skin corrosion/irritation**

Causes severe skin burns and eye damage.

· **Serious eye damage/irritation**

Causes serious eye damage.

· **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

· **Subacute to chronic toxicity:** No further relevant information available.

· **STOT SE (Specific target organ toxicity – single exposure):** No further relevant information available.

· **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** Based on available data, the classification criteria are not met.

· **STOT-repeated exposure** Based on available data, the classification criteria are not met.

· **Aspiration hazard** Based on available data, the classification criteria are not met.

IE

(Contd. on page 8)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 08.08.2018

Version number 6

Revision 08.08.2018

Trade name: Interflon Clean Special

(Contd. of page 7)

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

7664-38-2 phosphoric acid

EC50 48 hr	> 100 mg/l (Daphnia) (OECD 202)
NOEC	56 mg/l (Daphnia) 48h

111-76-2 2-butoxyethanol

LC50 96 hr	1474 mg/l (Fish)
EC50 48 hr	1550 mg/l (Daphnia)

85536-14-7 Benzenesulfonic acid, 4-C10-13-sec-alkylderivs.

EC50 48 hr	5 – 15 mg/l (Daphnia)
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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.

111-76-2 2-butoxyethanol

Biodegradability	> 60 % (-)
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85536-14-7 Benzenesulfonic acid, 4-C10-13-sec-alkylderivs.

Biodegradability	> 70 % (-)
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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. Rinse off of bigger amounts into drains or the aquatic environment may lead to decreased pH-values. A low pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably increased, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

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

20 01 14*	acids
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(Contd. on page 9)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 08.08.2018

Version number 6

Revision 08.08.2018

Trade name: Interflon Clean Special


(Contd. of page 8)

HP 8	Corrosive
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- **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

- | | |
|--|---|
| <ul style="list-style-type: none"> · 14.1 UN-Number · ADR, IMDG, IATA | UN3264 |
| <ul style="list-style-type: none"> · 14.2 UN proper shipping name · ADR · IMDG, IATA | 3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.
(phosphoric acid, Benzenesulfonic acid, 4-C10-13-sec-alkylderivs.)

CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.
(phosphoric acid, Benzenesulfonic acid, 4-C10-13-sec-alkylderivs.) |
| <ul style="list-style-type: none"> · 14.3 Transport hazard class(es) · ADR <div style="text-align: center; margin: 10px 0;">  </div> <ul style="list-style-type: none"> · Class · Label | 8 Corrosive substances.
8 |
| <ul style="list-style-type: none"> · 14.4 Packing group · ADR, IMDG, IATA | III |
| <ul style="list-style-type: none"> · 14.5 Environmental hazards: | Not applicable. |
| <ul style="list-style-type: none"> · 14.6 Special precautions for user · Danger code (Kemler): · EMS Number: · Segregation groups · Stowage Category · Stowage Code | Warning: Corrosive substances.
80
F-A,S-B
Acids
A
SW2 Clear of living quarters. |
| <ul style="list-style-type: none"> · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |
| <ul style="list-style-type: none"> · Transport/Additional information: <hr style="border-top: 1px dashed black;"/> <ul style="list-style-type: none"> · ADR · Limited quantities (LQ) · Transport category · Tunnel restriction code | |

(Contd. on page 10)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 08.08.2018

Version number 6

Revision 08.08.2018

Trade name: Interflon Clean Special

(Contd. of page 9)

· **UN "Model Regulation":** *UN 3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (PHOSPHORIC ACID, BENZENESULFONIC ACID, 4-C10-13-SEC-ALKYLDERIVS.), 8, III*

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.
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **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.

- **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.
H290 May be corrosive to metals.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H412 Harmful to aquatic life with long lasting effects.

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

Corrosive to metals	On basis of test data
Skin corrosion/irritation Serious eye damage/eye irritation	The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

- **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)

(Contd. on page 11)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 08.08.2018

Version number 6

Revision 08.08.2018

Trade name: Interflon Clean Special

(Contd. of page 10)

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
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
Met. Corr.1: Corrosive to metals – Category 1
Acute Tox. 4: Acute toxicity – Category 4
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

· **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.**