



according to Regulation (EC) No 1907/2006

# Kisling - 7408 - Component A 7410

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

### 1.1. Product identifier

Kisling - 7408 - Component A 7410

UFI: 21HN-M0Y1-V00H-43RW

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

#### Use of the substance/mixture

Adhesives and sealants

#### Uses advised against

No data available

### 1.3. Details of the supplier of the safety data sheet

Manufacturer

Company name: Kisling AG

Street: Motorenstrasse 102
Place: CH-8620 Wetzikon
Telephone: +41 58 272 0 272

E-mail: customerservice@kisling.com

Contact person: Product Compliance Telephone: +49 7940 5096 143

E-mail: compliance@kisling.com

Internet: www.kisling.com

**Supplier** 

Company name: Kisling (Deutschland) GmbH

Street: Salzstraße 15
Place: D-74676 Niedernhall
Telephone: +49 7940 50961 61

E-mail: customerservice@kisling.com

Contact person: Product Compliance Telephone: +49 7940 5096 143

E-mail: compliance@kisling.com

Internet: www.kisling.com

**1.4. Emergency telephone** 24 hr. emergency phone number +1 872 5888271 (KAR)

<u>number:</u> Medicines & Poisons Info Office +356 2545 6508

#### **SECTION 2: Hazards identification**

# 2.1. Classification of the substance or mixture

#### Regulation (EC) No 1272/2008

Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1; H317 Aquatic Chronic 2; H411

Full text of hazard statements: see SECTION 16.

## 2.2. Label elements

#### Regulation (EC) No 1272/2008

### Hazard components for labelling

2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane

Reaction product between Bisphenol F and Epichlorohydrin

Signal word: Warning





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### Pictograms:





#### **Hazard statements**

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

#### **Precautionary statements**

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

P273 Avoid release to the environment.

P280 Wear protective gloves and eye protection/face protection.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.

P391 Collect spillage.

## Special labelling of certain mixtures

EUH066 Repeated exposure may cause skin dryness or cracking.

Restricted to professional users.

# Labelling of packages where the contents do not exceed 125 ml

Signal word: Warning

Pictograms:





# Hazard statements

H317

### **Precautionary statements**

P261-P280-P333+P313-P362+P364

### 2.3. Other hazards

No data available

### **SECTION 3: Composition/information on ingredients**

## 3.2. Mixtures

### **Chemical characterization**

Mixture of substances listed below with nonhazardous components.



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#### Relevant ingredients

| CAS No    | Chemical name   | Chemical name  |                  |             |  |
|-----------|---|--|------------------|-------------|--|
|           | EC No Index No REACH No   |  | REACH No         |             |  |
|           | Classification (Regulation (EC) No                                  | 1272/2008)   |                  |             |  |
| 1675-54-3 | 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane |  |                  |             |  |
|           | 216-823-5   | 603-073-00-2   | 01-2119456619-26 |             |  |
|           | Skin Irrit. 2, Eye Irrit. 2, Skin Sens.                             | e Irrit. 2, Skin Sens. 1, Aquatic Chronic 2; H315 H319 H317 H411 |                  |             |  |
| 9003-36-5 | Reaction product between Bisphenol F and Epichlorohydrin            |  |                  | 30 - < 50 % |  |
|           | 500-006-8   |  | 01-2119454392-40 |             |  |
| _         | Skin Irrit. 2, Skin Sens. 1, Aquatic Chronic 2; H315 H317 H411      |  |                  |             |  |

Full text of H and EUH statements: see section 16.

#### Specific Conc. Limits, M-factors and ATE

| CAS No    | EC No   | Chemical name  | Quantity |  |
|-----------|---|--|----------|--|
|           | Specific Conc. I  | Specific Conc. Limits, M-factors and ATE                                 |          |  |
| 1675-54-3 | 216-823-5   | 23-5 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane |          |  |
|           | dermal: LD50 = 23000 mg/kg; oral: LD50 = 19800 mg/kg Skin Irrit. 2; H315: >= 5 - 100 Eye Irrit. 2; H319: >= 5 - 100 |  |          |  |
| 9003-36-5 | 500-006-8   | Reaction product between Bisphenol F and Epichlorohydrin                 |          |  |
|           | dermal: LD50 = >2000 mg/kg; oral: LD50 = >5000 mg/kg  |  |          |  |

### **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

#### **General information**

No special measures are necessary.

#### After inhalation

Provide fresh air.

# After contact with skin

Gently wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

#### After ingestion

Do NOT induce vomiting. Rinse mouth thoroughly with water. IF SWALLOWED: Immediately call a doctor.

### 4.2. Most important symptoms and effects, both acute and delayed

Irritant — skin irritation and eye damage

May cause respiratory irritation. Dyspnoea.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### **SECTION 5: Firefighting measures**

## 5.1. Extinguishing media

## Suitable extinguishing media

alcohol resistant foam, Carbon dioxide (CO2), Dry extinguishing powder

## Unsuitable extinguishing media

Full water jet.

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

Hazardous combustion products, Flammable vapours can accumulate in steam space of closed systems.

#### 5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.



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#### **Additional information**

Co-ordinate fire-fighting measures to the fire surroundings. Use water spray jet to protect personnel and to cool endangered containers. Evacuate area.

#### **SECTION 6: Accidental release measures**

#### 6.1. Personal precautions, protective equipment and emergency procedures

#### General advice

Use personal protection equipment. See protective measures under point 7 and 8.

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

#### 6.3. Methods and material for containment and cleaning up

#### For containment

Prevent spread over a wide area (e.g. by containment or oil barriers). Retain contaminated washing water and dispose it. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

#### For cleaning up

Soak up inert absorbent and dispose as waste requiring special attention.

#### 6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

# **SECTION 7: Handling and storage**

## 7.1. Precautions for safe handling

#### Advice on safe handling

Use only in well-ventilated areas. Keep away from sources of ignition - No smoking.

Avoid contact with skin, eyes and clothes. People who suffer from skin sensitization problems, asthma, allergies, chronic or recurring respiratory illnesses should not be deployed in any process using this mixture.

# Advice on general occupational hygiene

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff.

## Further information on handling

Keep only in the original container in a cool, well-ventilated place.

Never use pressure to empty container. Do not allow to enter into surface water or drains.

### 7.2. Conditions for safe storage, including any incompatibilities

## Requirements for storage rooms and vessels

Keep container tightly closed and in a well-ventilated place.

### Hints on joint storage

No special measures are necessary.

#### Further information on storage conditions

No special measures are necessary.

## **SECTION 8: Exposure controls/personal protection**

### 8.1. Control parameters



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#### **DNEL/DMEL values**

| CAS No                   | Name of agent   |                |          |                        |  |
|--------------------------|---|----------------|----------|------------------------|--|
| DNEL type                |   | Exposure route | Effect   | Value                  |  |
| 1675-54-3                | 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane |                |          |                        |  |
| Worker DNEL,             | long-term   | inhalation     | systemic | 4,93 mg/m³             |  |
| Worker DNEL, long-term   |   | dermal         | systemic | 0,75 mg/kg<br>bw/day   |  |
| Consumer DNEL, long-term |   | inhalation     | systemic | 0,87 mg/m³             |  |
| Consumer DNEL, long-term |   | dermal         | systemic | 0,0893 mg/kg<br>bw/day |  |
| Consumer DNEL, long-term |   | oral           | systemic | 0,5 mg/kg bw/day       |  |
| Consumer DNEL, acute     |   | oral           | systemic | 0,5 mg/kg bw/day       |  |

#### **PNEC values**

| CAS No   | Name of agent   |             |  |
|--|---|-------------|--|
| Environment                                      | Environmental compartment   |             |  |
| 1675-54-3  | 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane |             |  |
| Freshwater                                       |   | 0,006 mg/l  |  |
| Freshwater (intermittent releases) 0,018 mg/l    |   |             |  |
| Marine water                                     |   | 0,001 mg/l  |  |
| Freshwater sediment                              |   | 0,341 mg/kg |  |
| Marine sediment                                  |   | 0,034 mg/kg |  |
| Secondary poisoning 1                            |   | 11 mg/kg    |  |
| Micro-organisms in sewage treatment plants (STP) |   | 10 mg/l     |  |
| Soil   |   | 0,065 mg/kg |  |

#### Additional advice on limit values

To date, no national critical limit values exist.

### 8.2. Exposure controls





### Appropriate engineering controls

Provide adequate ventilation as well as local exhaustion at critical locations.

## Individual protection measures, such as personal protective equipment

# Eye/face protection

Wear eye/face protection.

### **Hand protection**

Wear protective gloves.

Breakthrough times and swelling properties of the material must be taken into consideration.

NBR (Nitrile rubber) 0,4 mm, Breakthrough time: 480 min

**EN ISO 374** 

#### Skin protection

Avoid contact with skin, eyes and clothes.

### Respiratory protection

In case of inadequate ventilation wear respiratory protection.





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### **Environmental exposure controls**

Do not allow to enter into surface water or drains.

### **SECTION 9: Physical and chemical properties**

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

Physical state: Liquid

Colour: colourless / light yellow

Odour: odourless

Odour threshold: No data available

Test method

Melting point/freezing point:

Boiling point or initial boiling point and

No data available

No data available

boiling range:

Flammability: not determined not applicable

Lower explosion limits: No data available No data available Upper explosion limits: >200 °C Flash point: not determined Auto-ignition temperature: Decomposition temperature: not determined No data available pH-Value (at 20 °C): Viscosity / kinematic: not determined not determined Water solubility:

Solubility in other solvents

not determined

Partition coefficient n-octanol/water: >3
Vapour pressure: not determined
Density (at 20 °C): 1,17 g/cm³
Relative vapour density: not determined
Particle characteristics: not determined

### 9.2. Other information

#### Information with regard to physical hazard classes

Explosive properties

No data available
Oxidizing properties

No data available

#### Other safety characteristics

Evaporation rate: not determined Viscosity / dynamic: 6.000 - 8.000 mPa·s (at 25 °C)

# **SECTION 10: Stability and reactivity**

### 10.1. Reactivity

No known hazardous reactions.

### 10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

### 10.3. Possibility of hazardous reactions

Thermal decomposition can lead to the escape of irritating gases and vapours.

Vapours can form explosive mixtures with air.



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#### 10.4. Conditions to avoid

No information available.

#### 10.5. Incompatible materials

No information available.

#### 10.6. Hazardous decomposition products

No known hazardous decomposition products.

#### **Further information**

No data available

## **SECTION 11: Toxicological information**

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Toxicocinetics, metabolism and distribution

No data available

#### **Acute toxicity**

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

### **ATEmix** calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

| CAS No    | Chemical name   |                  |      |         |                               |  |
|-----------|---|------------------|------|---------|-------------------------------|--|
|           | Exposure route  | Dose             |      | Species | Source                        | Method                                   |
| 1675-54-3 | 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane |                  |      |         |                               |  |
|           | oral  | LD50 19<br>mg/kg | 9800 | Rabbit  | · · ·                         | Rabbits were orally gavaged with test ma |
|           | dermal  | LD50 23<br>mg/kg | 3000 |         | Pre-supplier/manufac<br>turer |  |
| 9003-36-5 | Reaction product between Bisphenol F and Epichlorohydrin            |                  |      |         |                               |  |
|           | oral  | LD50 >5<br>mg/kg | 5000 |         | Pre-supplier/manufac<br>turer |  |
|           | dermal  | LD50 >2<br>mg/kg | 2000 |         | Pre-supplier/manufac<br>turer |  |

#### Irritation and corrosivity

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/eye irritation: Causes serious eye irritation.

Repeated exposure may cause skin dryness or cracking.

#### Sensitising effects

May cause an allergic skin reaction. (2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane;

Reaction product between Bisphenol F and Epichlorohydrin)

#### Carcinogenic/mutagenic/toxic effects for 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.



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### Information on likely routes of exposure

No data available

#### Specific effects in experiment on an animal

No data available

#### Additional information on tests

No data available

#### **Practical experience**

May be harmful if swallowed, in contact with skin or if inhaled.

### 11.2. Information on other hazards

#### Other information

No data available

#### **Further information**

No data available

## **SECTION 12: Ecological information**

#### 12.1. Toxicity

Toxic to aquatic life with long lasting effects.

| CAS No    | Chemical name  |   |                               |                     |                       |  |
|-----------|--|---|-------------------------------|---------------------|-----------------------|--|
|           | Aquatic toxicity   | Dose  | [h]   [d] Species             | Source              | Method                |  |
| 1675-54-3 | 2,2'-[(1-methylethylidene                                | 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane |                               |                     |                       |  |
|           | Acute algae toxicity                                     | ErC50 > 100<br>mg/l   | 72 h Raphidocelis subcapitata | Study report (2007) | OECD Guideline<br>201 |  |
| 9003-36-5 | Reaction product between Bisphenol F and Epichlorohydrin |   |                               |                     |                       |  |
|           | Aquatic toxicity   | Data lacking  |                               |                     |                       |  |

### 12.2. Persistence and degradability

No data available

### 12.3. Bioaccumulative potential

No data available

#### Partition coefficient n-octanol/water

| CAS No    | Chemical name   | Log Pow |
|-----------|---|---------|
| 1675-54-3 | 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane | >= 2,64 |
| 9003-36-5 | Reaction product between Bisphenol F and Epichlorohydrin            | 3,6     |

#### **BCF**

| CAS No    | Chemical name                          | BCF | Species | Source              |
|-----------|--|-----|---------|---------------------|
| 1675-54-3 | 2,2'-                                  | 31  |         | Study report (2010) |
|           | [(1-methylethylidene)bis(4,1-phenylene |     |         |                     |
|           | oxymethylene)]bisoxirane               |     |         |                     |

#### 12.4. Mobility in soil

No data available

## 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

### 12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

#### 12.7. Other adverse effects

No data available



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#### **SECTION 13: Disposal considerations**

## 13.1. Waste treatment methods

#### **Disposal recommendations**

Dispose of waste according to applicable legislation.

#### List of Wastes Code - residues/unused products

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS

(PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste

#### List of Wastes Code - used product

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS

(PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste

## List of Wastes Code - contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE

CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances;

hazardous waste

#### Contaminated packaging

Completely emptied packages can be recycled. Dispose of waste according to applicable legislation.

# **SECTION 14: Transport information**

## Land transport (ADR/RID)

14.1. UN number or ID number: UN 3082

14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

(Epoxide Resin)

14.3. Transport hazard class(es):

14.4. Packing group:

Hazard label:



q

Classification code: M6

Special Provisions: 274 335 375 601

Limited quantity: 5 L

Excepted quantity: E1

Transport category: 3

Hazard No: 90

Tunnel restriction code: -

Inland waterways transport (ADN)

14.1. UN number or ID number: UN 3082

**14.2. UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

(Epoxide Resin)

14.3. Transport hazard class(es):

14.4. Packing group:
Hazard label:
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Classification code: M6

274 335 375 601 Special Provisions:

Limited quantity: 5 I E1 Excepted quantity:

Marine transport (IMDG)

14.1. UN number or ID number: UN 3082

14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

(Epoxide Resin)

14.3. Transport hazard class(es):

Ш 14.4. Packing group: Hazard label:



274 335 969 Special Provisions:

5 L Limited quantity: F1 Excepted quantity: F-A, S-F EmS:

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: UN 3082

14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

(Epoxide Resin)

14.3. Transport hazard class(es):

14.4. Packing group: Hazard label:



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A97 A158 A197 A215 **Special Provisions:** 

Limited quantity Passenger: 30 kg G Passenger LQ: Y964 E1 Excepted quantity:

964 IATA-packing instructions - Passenger: 450 I IATA-max. quantity - Passenger: 964 IATA-packing instructions - Cargo: 450 L IATA-max. quantity - Cargo:

14.5. Environmental hazards

Yes **ENVIRONMENTALLY HAZARDOUS:** 



Epoxide Resin Danger releasing substance:

14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

14.7. Maritime transport in bulk according to IMO instruments

No dangerous good in sense of this transport regulation.

Other applicable information



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ADR: 375: These substances when carried in single or combination packagings containing a net quantity per single or inner packaging of 5 l or less for liquids or having a net mass per single or inner packaging of 5 kg or less for solids, are not subject to any other provisions of ADR provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

IMDG: 2.10.2.7: Marine pollutants in individual packaging or composite packaging with a net quantity per individual or inner packaging of no more than 5 L for liquids or a net mass per individual or inner packaging of no more than 5 kg for solids are not subject to any other provisions of this Code applicable to marine pollutants, provided that the packaging complies with the general Meet the requirements in 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8. In the case of marine pollutants that also meet the criteria for inclusion in another class, all provisions of this Code that apply to any further hazards continue to apply.

IATA: A197 (375): These substances when transported in single or combination packagings containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass of 5 kg or less for solids, are not subject to any other provisions of these Regulations provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8

## **SECTION 15: Regulatory information**

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

### **EU** regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 75

Directive 2010/75/EU on industrial

49.9 % (583.83 g/l)

emissions:

Information according to Directive

2012/18/EU (SEVESO III):

E2 Hazardous to the Aquatic Environment

National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile

work protection guideline' (94/33/EC).

Water hazard class (D): 2 - obviously hazardous to water

#### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

## **SECTION 16: Other information**



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#### Abbreviations and acronyms

Skin Irrit: Skin irritation Eye Irrit: Eye irritation Skin Sens: Skin sensitisation

Aquatic Chronic: Chronic aquatic hazard CLP: Classification, labelling and Packaging

REACH: Registration, Evaluation and Authorization of Chemicals

GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals

**UN: United Nations** 

CAS: Chemical Abstracts Service
DNEL: Derived No Effect Level
DMEL: Derived Minimal Effect Level
PNEC: Predicted No Effect Concentration

ATE: Acute toxicity estimate LC50: Lethal concentration, 50%

LD50: Lethal dose, 50% LL50: Lethal loading, 50% EL50: Effect loading, 50%

EC50: Effective Concentration 50%

ErC50: Effective Concentration 50%, growth rate NOEC: No Observed Effect Concentration

BCF: Bio-concentration factor

PBT: persistent, bioaccumulative, toxic vPvB: very persistent, very bioaccumulative

ADR: Accord européen sur le transport des marchandises dangereuses par Route

(European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Regulations concerning the international carriage of dangerous goods by rail

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)

IMDG: International Maritime Code for Dangerous Goods

EmS: Emergency Schedules MFAG: Medical First Aid Guide

IATA: International Air Transport Association ICAO: International Civil Aviation Organization

MARPOL: International Convention for the Prevention of Marine Pollution from Ships

IBC: Intermediate Bulk Container
VOC: Volatile Organic Compounds
SVHC: Substance of Very High Concern

#### Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]

| Classification          | Classification procedure |
|-------------------------|--------------------------|
| Skin Irrit. 2; H315     | Calculation method       |
| Eye Irrit. 2; H319      | Calculation method       |
| Skin Sens. 1; H317      | Calculation method       |
| Aquatic Chronic 2; H411 | Calculation method       |

#### Relevant H and EUH statements (number and full text)

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

EUH066 Repeated exposure may cause skin dryness or cracking.





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#### **Further Information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)