Revision Date: 16.05.2023 Date of last issue: 27.05.2021 Version 2.0

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

1.1 Product identifier

Trade name

: Sikaflex[®]-668 Part A

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

Product use : Sealant/adhesive

1.3 Details of the supplier of the safety data sheet

| Company name of supplier | : | Sika Schweiz AG |
|--|---|------------------|
| | | Tüffenwies 16 |
| | | 8048 Zürich |
| Telephone | : | +41 58 436 40 40 |
| Telefax | : | - |
| E-mail address of person responsible for the SDS | : | EHS@ch.sika.com |

1.4 Emergency telephone number

Tox Info Suisse CH-8028 Zurich +41(0)44 251 51 51 / Speed calling: 145

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

| Classification (REGULATION (EC) No 1272/2008) | | | | | | |
|---|--|--|--|--|--|--|
| Skin sensitisation, Category 1 | H317: May cause an allergic skin reaction. | | | | | |
| Long-term (chronic) aquatic hazard, Cat- egory 3 | H412: Harmful to aquatic life with long lasting effects. | | | | | |

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

| Hazard pictograms | : | |
|-------------------|---|--------------|
| Signal word | : | Warning |
| Hazard statements | : | H317 H412 |

May cause an allergic skin reaction. Harmful to aquatic life with long lasting effects.

Sikaflex[®]-668 Part A

Revision Date: 16.05.2023 Date of last issue: 27.05.2021 Version 2.0



| Precautionary statements : | Prevention: P261 P273 P280 | Avoid breathing mist or vapours. Avoid release to the environment. Wear protective gloves. |
|----------------------------|--|--|
| | Response: | |
| | P333 + P313 | If skin irritation or rash occurs: Get medical advice/ attention. |
| | P362 + P364 | Take off contaminated clothing and wash it before reuse. |
| | Disposal: | |
| | P501 | Dispose of contents/container in accordance with local regulation. |

Hazardous components which must be listed on the label:

2-ethyl-2-[[(1-oxoallyl)oxy]methyl]-1,3-propanediyl diacrylate Pentamethyl piperidylsebacate 4,4'-methylenediphenyl diisocyanate

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Sikaflex®-668 Part A

Revision Date: 16.05.2023 Date of last issue: 27.05.2021



Version 2.0

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

| Chemical name | CAS-No. EC-No. Registration number | Classification | Concentration (% w/w) |
|--|--|--|--------------------------|
| 2-ethyl-2-[[(1-oxoallyl)oxy]methyl]- 1,3-propanediyl diacrylate | 15625-89-5 239-701-3 01-2119489896-11- XXXX | Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1; H317 Carc. 2; H351 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 | >= 0,1 - < 0,25 |
| | | M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1 | |
| Pentamethyl piperidylsebacate Contains: bis(1,2,2,6,6-pentamethyl-4- piperidyl) sebacate methyl 1,2,2,6,6-pentamethyl-4- piperidyl sebacate | 1065336-91-5 915-687-0 01-2119491304-40- XXXX | Skin Sens. 1A; H317 Repr. 2; H361f Aquatic Acute 1; H400 Aquatic Chronic 1; H410 | >= 0,1 - < 0,25 |
| | | M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1 | |

Sikaflex[®]-668 Part A

Revision Date: 16.05.2023 Date of last issue: 27.05.2021 Version 2.0



| 4,4'-methylenediphenyl diisocya- nate | 101-68-8 202-966-0 01-2119457014-47- XXXX | Acute Tox. 4; H332 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Resp. Sens. 1; H334 Skin Sens. 1; H317 Carc. 2; H351 STOT SE 3; H335 (Respiratory system) STOT RE 2; H373 \longrightarrow STOT RE 2; H373 \longrightarrow STOT RE 2; H319 >= 5 % STOT SE 3; H335 >= 5 % Skin Irrit. 2; H315 >= 5 % Resp. Sens. 1; H334 >= 0,1 % | < 0,1 |
|--|--|--|-------|
| | | Acute toxicity esti- mate Acute inhalation tox- icity (dust/mist): 1,5 mg/l | |

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

| General advice | Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attend | ance. |
|-------------------------|---|--------|
| If inhaled | Move to fresh air. Consult a physician after significant exposure. | |
| In case of skin contact | Take off contaminated clothing and shoes immedia Wash off with soap and plenty of water. If symptoms persist, call a physician. | ately. |
| In case of eye contact | Remove contact lenses. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist. | |
| If swallowed | Do not induce vomiting without medical advice. Rinse mouth with water. | |

Revision Date: 16.05.2023 Date of last issue: 27.05.2021

Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

| : | Allergic reactions See Section 11 for more detailed information on health effects and symptoms. |
|---|---|
| : | sensitising effects |
| | May cause an allergic skin reaction. |
| | : |

4.3 Indication of any immediate medical attention and special treatment needed

| Treatment | : Treat symptomatically. |
|-----------|--------------------------|
|-----------|--------------------------|

SECTION 5: Firefighting measures

| 5.1 Extinguishing media Suitable extinguishing media | : | In case of fire, use water/water spray/water jet/carbon diox- ide/sand/foam/alcohol resistant foam/chemical powder for extinction. | |
|--|-----|--|--|
| 5.2 Special hazards arising from | the | e substance or mixture | |
| Hazardous combustion prod- ucts | : | No hazardous combustion products are known | |
| 5.3 Advice for firefighters | | | |
| Special protective equipment for firefighters | : | In the event of fire, wear self-contained breathing apparatus. | |
| Further information | : | Standard procedure for chemical fires. | |
| SECTION 6: Accidental release measures | | | |

6.1 Personal precautions, protective equipment and emergency procedures Personal precautions : Use personal protective equipment. Deny access to unprotected persons.

6.2 Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and material for containment and cleaning up

| Methods for cleaning up | : Soak up with inert absorbent material (e.g. sand, sil | ica gel, |
|-------------------------|---|----------|
|-------------------------|---|----------|

Sikaflex®-668 Part A

Revision Date: 16.05.2023 Date of last issue: 27.05.2021



Version 2.0

acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

| | Advice on safe handling : | : | Avoid exceeding the given occupational exposure limits (see section 8). Do not get in eyes, on skin, or on clothing. For personal protection see section 8. Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. Smoking, eating and drinking should be prohibited in the application area. Follow standard hygiene measures when handling chemical products |
|-----|--|-----|--|
| | Advice on protection against : fire and explosion | : | Normal measures for preventive fire protection. |
| | Hygiene measures : | : | Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday. |
| 7.2 | Conditions for safe storage, inc | clu | uding any incompatibilities |
| | Requirements for storage : areas and containers | : | Keep container tightly closed in a dry and well-ventilated place. Store in accordance with local regulations. |
| | Further information on stor- : age stability | : | No decomposition if stored and applied as directed. |
| 7.3 | Specific end use(s) | | |
| | Specific use(s) | : | Consult most current local Product Data Sheet prior to any use. |

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

| Components | CAS-No. | Value type (Form | Control parame- | Basis * |
|------------|---------|------------------|-----------------|---------|
| | | of exposure) | ters * | |

Sikaflex[®]-668 Part A

Print Date 16.05.2023

Revision Date: 16.05.2023 Date of last issue: 27.05.2021 Version 2.0

| 4,4'-methylenediphenyl diisocyanate | 101-68-8 | TWA | 0,02 mg/m3 (NCO) | CH SUVA |
|-------------------------------------|--|--|--|---|
| | es, which are tional skin res inhalation by an S can lead Executive (O | nation: Toxic by skin easily absored thro soption a substancia the airways., Sensiti t to very strong aller ccupational Medicine child is not to be ex | ugh the skin, can I higher risk comp izers; Substances gic reactions., He e and Hygiene La | give by addi- bared to only marked with alth and Safety boratory), Harm |
| | | STEL | 0,02 mg/m3 (NCO) | CH SUVA |

*The above mentioned values are in accordance with the legislation in effect at the date of the release of this safety data sheet.

Biological occupational exposure limits

| Substance name | CAS-No. | Control parame- ters | Sampling time | Basis |
|-------------------------------------|----------|---|--|--------|
| 4,4'-methylenediphenyl diisocyanate | 101-68-8 | 4,4'- diaminodiphenyl- methane: 10 μg/g creatinine (Urine) | Immediately after exposure or after working hours | CH BAT |
| | | 4,4'- diaminodiphenyl- methane: 5 nmol/mmol creati- nine (Urine) | Immediately after exposure or after working hours | CH BAT |

8.2 Exposure controls

Engineering measures

Maintain air concentrations below occupational exposure standards. Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

| Eye/face protection : | Safety glasses with side-shields conforming to EN166 Eye wash bottle with pure water |
|----------------------------|--|
| Hand protection | : Chemical-resistant, impervious gloves complying with an approved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manufacturer specifications. |
| | Suitable for short time use or protection against splashes: Butyl rubber/nitrile rubber gloves (> 0,1 mm) Contaminated gloves should be removed. Suitable for permanent exposure: Viton gloves (0.4 mm), breakthrough time >30 min. |
| Skin and body protection : | Protective clothing (e.g. Safety shoes acc. to EN ISO 20345, long-sleeved working clothing, long trousers). Rubber aprons and protective boots are additionaly recommended for mixing |

Sikaflex[®]-668 Part A

Revision Date: 16.05.2023 Date of last issue: 27.05.2021 Version 2.0



and stirring work. Respiratory protection In case of inadequate ventilation wear respiratory protection. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. organic vapor filter (Type A) A1: < 1000 ppm; A2: < 5000 ppm; A3: < 10000 ppm Ensure adequate ventilation. This can be achieved by local exhaust extraction or by general ventilation. (EN 689 - Methods for determining inhalation exposure). This applies in particular to the mixing / stirring area. In case this is not sufficent to keep the concentrations under the occupational exposure limits then respiration protection measures must be used.

Environmental exposure controls

| General advice | : | Do not flush into surface water or sanitary sewer system. |
|----------------|---|---|
| | | If the product contaminates rivers and lakes or drains inform |
| | | respective authorities. |

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| Physical state Appearance Colour | : | liquid paste black |
|---|-----|--------------------------------|
| Odour | : | odourless |
| Melting point/range / Freezing point | : | No data available |
| Boiling point/boiling range | : | No data available |
| Flammability (solid, gas) | : | No data available |
| Upper/lower flammability or e | əxp | losive limits |
| Upper explosion limit / Up- per flammability limit | : | No data available |
| Lower explosion limit / Lower flammability limit | : | No data available |
| Flash point | : | > 101 °C Method: closed cup |

Sikaflex[®]-668 Part A



| Revision Date: 16.05.2023 Date of last issue: 27.05.2021 | | Version 2.0 | Print Date 16.05.2023 |
|---|---|---|-----------------------|
| Auto-ignition temperature | : | No data available | |
| Decomposition temperature | : | No data available | |
| рН | : | Not applicable substance/mixture is non-soluble (in water) | |
| Viscosity Viscosity, kinematic | : | > 20,5 mm2/s (40 °C) | |
| Solubility(ies) Water solubility | : | insoluble | |
| Partition coefficient: n- octanol/water | : | No data available | |
| Vapour pressure | : | 0,01 hPa | |
| Density | : | ca. 1,30 g/cm3 (20 °C) | |
| Relative vapour density | : | No data available | |
| Particle characteristics | : | No data available | |
| | | | |

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

The product is chemically stable.

10.3 Possibility of hazardous reactions

| Hazardous reactions | : | No hazards to be specially mentioned. |
|---------------------|---|---------------------------------------|
|---------------------|---|---------------------------------------|

10.4 Conditions to avoid

Conditions to avoid : No data available

Print Date 16.05.2023

Revision Date: 16.05.2023 Date of last issue: 27.05.2021 Version 2.0

10.5 Incompatible materials

Materials to avoid : No data available

10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

SECTION 11: Toxicological information

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

Acute toxicity

Not classified based on available information.

Components:

2-ethyl-2-[[(1-oxoallyl)oxy]methyl]-1,3-propanediyl diacrylate:

| Acute oral toxicity | : | LD50 Oral (Rat): 3.680 - 5.000 mg/kg |
|-----------------------|---|--------------------------------------|
| Acute dermal toxicity | : | LD50 Dermal (Rabbit): > 5.000 mg/kg |

Pentamethyl piperidylsebacate:

| Acute oral toxicity | : LD50 Oral (Rat): 3.230 mg/kg |
|---------------------|--------------------------------|
|---------------------|--------------------------------|

4,4'-methylenediphenyl diisocyanate:

| Acute oral toxicity | : | LD50 Oral (Rat): > 5.000 mg/kg Method: OECD Test Guideline 401 |
|---------------------------|---|--|
| Acute inhalation toxicity | : | LC50: 1,5 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Expert judgement |
| | | |

Acute toxicity estimate: 1,5 mg/l Test atmosphere: dust/mist Method: Calculation method

Skin corrosion/irritation

Not classified based on available information.

Serious eye damage/eye irritation

Not classified based on available information.

Respiratory or skin sensitisation

Skin sensitisation

May cause an allergic skin reaction.

Respiratory sensitisation

Not classified based on available information.

Sikaflex[®]-668 Part A

Revision Date: 16.05.2023 Date of last issue: 27.05.2021 Version 2.0



Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

11.2 Information on other hazards

Endocrine disrupting properties

Product:

Assessment

: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 12: Ecological information

12.1 Toxicity

Components:

2-ethyl-2-[[(1-oxoallyl)oxy]methyl]-1,3-propanediyl diacrylate:

| Toxicity to fish | : | LC50 (Danio rerio (zebra fish)): 0,87 mg/l Exposure time: 96 h Method: OECD Test Guideline 203 |
|--|-----|--|
| M-Factor (Acute aquatic tox- icity) | : | 1 |
| M-Factor (Chronic aquatic toxicity) | : | 1 |
| Pentamethyl piperidylsebac | ate | : |
| Toxicity to fish | : | LC50 (Fish): 0,97 mg/l Exposure time: 96 h |
| M-Factor (Acute aquatic tox- icity) | : | 1 |

Sikaflex[®]-668 Part A

Print Date 16.05.2023

Revision Date: 16.05.2023 Date of last issue: 27.05.2021 Version 2.0

M-Factor (Chronic aquatic : 1 toxicity)

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment

: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

12.6 Endocrine disrupting properties

Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at

12.7 Other adverse effects

Product:

| Additional ecological infor- | : | An environmental hazard cannot be excluded in the event of |
|------------------------------|---|--|
| mation | | unprofessional handling or disposal. |
| | | Harmful to aquatic life with long lasting effects. |

levels of 0.1% or higher.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

 Product
 : The generation of waste should be avoided or minimized wherever possible.

 Empty containers or liners may retain some product residues.

 This material and its container must be disposed of in a safe way.

 Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.

 Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional



| Revision Date: 16.05.2023 Date of last issue: 27.05.2021 | Version 2.0 | Print Date 16.05.202 |
|---|--|----------------------------|
| | local authority requirements. Avoid dispersal of spilled material a soil, waterways, drains and sewers | |
| Waste code Switzerland VeVA/LVA | : 08 04 09 [S] waste adhesives and solvents or other dangerous substa | 00 |
| Contaminated packaging | : 15 01 10 [S] packaging containing ed by dangerous substances | residues of or contaminat- |

SECTION 14: Transport information

| 14.1 UN number or ID number | | | | | |
|--|---|-----------------------------------|--|--|--|
| ADR | : | Not regulated as a dangerous good | | | |
| IMDG | : | Not regulated as a dangerous good | | | |
| ΙΑΤΑ | : | Not regulated as a dangerous good | | | |
| 14.2 UN proper shipping name | | | | | |
| ADR | : | Not regulated as a dangerous good | | | |
| IMDG | : | Not regulated as a dangerous good | | | |
| ΙΑΤΑ | : | Not regulated as a dangerous good | | | |
| 14.3 Transport hazard class(es) | | | | | |
| ADR | : | Not regulated as a dangerous good | | | |
| IMDG | : | Not regulated as a dangerous good | | | |
| ΙΑΤΑ | : | Not regulated as a dangerous good | | | |
| 14.4 Packing group | | | | | |
| ADR | : | Not regulated as a dangerous good | | | |
| IMDG | : | Not regulated as a dangerous good | | | |
| IATA (Cargo) | : | Not regulated as a dangerous good | | | |
| IATA (Passenger) | : | Not regulated as a dangerous good | | | |
| 14.5 Environmental hazards Not regulated as a dangerous good | | | | | |
| 14.6 Special precautions for user | | | | | |

Not applicable

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

Sikaflex®-668 Part A

Print Date 16.05.2023

Revision Date: 16.05.2023 Date of last issue: 27.05.2021 Version 2.0

SECTION 15: Regulatory information

| 15.1 | 5.1 Safety, health and environmental regulations/legislation REACH - Restrictions on the manufacture, placing on : the market and use of certain dangerous substances, mixtures and articles (Annex XVII) | | | specific for the substance or mixture Conditions of restriction for the fol- lowing entries should be considered: Number on list 75, 3 | | |
|------|---|---|---|--|--|--|
| | International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors | | : | Not applicable | | |
| | REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). | | : | None of the components are listed $(=> 0.1 \%)$. | | |
| | REACH - List of substances subject to authorisation (Annex XIV) | | | Not applicable | | |
| | Regulation (EC) No 1005/2009 on substances that deplete the ozone layer | | | Not applicable | | |
| | Regulation (EU) 2019/1021 on persistent organic pollu- tants (recast) | | : | Not applicable | | |
| | PIC Ordinance, ChemPICO (814.82) | | : | Not applicable | | |
| | REACH Information: | All substances contained in our Products are - registered by our upstream suppliers, and/or - registered by us, and/or - excluded from the regulation, and/or - exempted from the registration. | | | | |
| | Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of ma- jor-accident hazards involving dangerous substances. Not applicable | | | | | |
| | Water hazard class (Germa- : ny) | WGK 1 slightly hazardous to water Classification according to AwSV, Annex 1 (5.2) | | | | |
| | Volatile organic compounds : | Law on the incentive tax for volatile organic compounds (VOCV) no VOC duties | | | | |
| | | | | 4 November 2010 on industrial ution prevention and control) | | |

Other regulations:

Young people undergoing basic vocational training may only work with this product if the rele-

Sikaflex[®]-668 Part A

Print Date 16.05.2023

Revision Date: 16.05.2023 Date of last issue: 27.05.2021 Version 2.0

vant training ordinance makes provision for them to do so with a view to enabling them to achieve their training objectives and if the preconditions for the training plan have been met and the applicable age restrictions have been complied with. Young people who are not completing any basic vocational training are not permitted to work with this product. Employees of either sex who are under 18 years old are classed as young people.

15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

SECTION 16: Other information

Full text of H-Statements

| H315 | : | Causes skin irritation. |
|---------------------------------|-----|---|
| H317 | : | May cause an allergic skin reaction. |
| H319 | : | Causes serious eye irritation. |
| H332 | : | Harmful if inhaled. |
| H334 | : | May cause allergy or asthma symptoms or breathing difficul- |
| | | ties if inhaled. |
| H335 | : | May cause respiratory irritation. |
| H351 | : | Suspected of causing cancer. |
| H361f | : | Suspected of damaging fertility. |
| H373 | : | May cause damage to organs through prolonged or repeated |
| | | exposure if inhaled. |
| H400 | : | Very toxic to aquatic life. |
| H410 | : | Very toxic to aquatic life with long lasting effects. |
| Full text of other abbreviation | one | |
| | | |
| Acute Tox. | - | Acute toxicity |
| Aquatic Acute | : | Short-term (acute) aquatic hazard |
| Aquatic Chronic | | Long-term (chronic) aquatic hazard |
| Carc. | : | Carcinogenicity |
| Eye Irrit. | : | Eye irritation |
| Repr. | : | Reproductive toxicity |
| Resp. Sens. | : | Respiratory sensitisation |
| Skin Irrit. | : | Skin irritation |
| Skin Sens. | : | Skin sensitisation |
| STOT RE | : | Specific target organ toxicity - repeated exposure |
| STOT SE | : | Specific target organ toxicity - single exposure |
| CH BAT | : | Switzerland. List of BAT-values |
| CH SUVA | : | Switzerland. Limit values at the work place |
| CH SUVA / TWA | : | Time Weighted Average |
| CH SUVA / STEL | : | Short Term Exposure Limit |
| ADR | : | European Agreement concerning the International Carriage of |
| | | Dangerous Goods by Road |
| CAS | : | Chemical Abstracts Service |
| DNEL | : | Derived no-effect level |
| EC50 | : | Half maximal effective concentration |
| GHS | : | Globally Harmonized System |
| ΙΑΤΑ | : | International Air Transport Association |
| IMDG | : | International Maritime Code for Dangerous Goods |
| | | |

Revision Date: 16.05.2023 Date of last issue: 27.05.2021



| LD50 | : Median lethal dosis (the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals) |
|--------------|---|
| LC50 | : Median lethal concentration (concentrations of the chemical in air that kills 50% of the test animals during the observation period) |
| MARPOL | : International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978 |
| OEL | : Occupational Exposure Limit |
| PBT | : Persistent, bioaccumulative and toxic |
| PNEC | : Predicted no effect concentration |
| REACH | : Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Reg- istration, Evaluation, Authorisation and Restriction of Chemi- cals (REACH), establishing a European Chemicals Agency |
| SVHC vPvB | Substances of Very High ConcernVery persistent and very bioaccumulative |
| VEVD | . Very persistent and very bloaccumulative |

Further information

| Classification of the mixtur | Classification procedure: | |
|------------------------------|---------------------------|--------------------|
| Skin Sens. 1 | H317 | Calculation method |
| Aquatic Chronic 3 | H412 | Calculation method |

The information contained in this Safety Data Sheet corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the product data sheet prior to any use and processing.

Changes as compared to previous version !

CH / EN