

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) Date of issue: 11/23/2017 Revision date: 11/23/2017

Version: 1.00

| SECTION 1: Identification of the subs | stance/mixture and of the company/undertaking |
|--|---|
| 1.1. Product identifier | |
| Trade name | : Nanoflex L-Care |
| 1.2. Relevant identified uses of the subst | ance or mixture and uses advised against |
| 1.2.1. Relevant identified uses | |
| Intended for general public | |
| Use of the substance/mixture | : Hydrophobing agent |
| 1.2.2. Uses advised against | |
| No additional information available | |
| 1.3. Details of the supplier of the safety of | lata sheet |
| Supplier Signo Nanocare UK Ltd PO Box 225 Oswestry Shropshire SY10 1DL Telephone: +44 1691 65428 e-mail: info@signo-nanocare.com | |
| 1.4. Emergency telephone number | |
| Emergency number | : Giftnotruf Berlin Tel.: +49 (0)30 30686 790 Information in German and English language |
| SECTION 2: Hazards identification | |
| 2.1. Classification of the substance or mi | ixture |
| Classification according to Regulation (EC) No Skin corrosion/irritation, Category 2 H3 Serious eye damage/eye irritation, Category H3 2 Full text of hazard classes and H-statements : see Adverse physicochemical, human health and | 15 19 e section 16 environmental effects |
| Causes skin irritation. Causes serious eye irritatio | n. |
| 2.2. Label elements | |
| Labelling according to Regulation (EC) No. 12 Hazard pictograms (CLP) | 72/2008 [CLP] : GHS07 |
| Signal word (CLP) | : Warning |
| Hazard statements (CLP) | : H315 - Causes skin irritation. H319 - Causes serious eye irritation. |
| Precautionary statements (CLP) | P102 - Keep out of reach of children. P264 - Wash hands, forearms and face thoroughly after handling. P280 - Wear protective gloves, Eye protection, face protection. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P321 - Specific treatment (see supplemental first aid instruction on this label) P332+P313 - If skin irritation occurs: Get medical advice/attention. P337+P313 - If eye irritation persists: Get medical advice/attention. |
| Security closing plug for children | : Not applicable |
| Tactile warning | : Not applicable |
| 2.3. Other hazards | |

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] | |
|---------------------------|---|--------|---|--|
| functionalized polymer | | 10-15 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 | |
| 2-(2-butoxyethoxy)ethanol | (CAS-No.) 112-34-5 (EC-No.) 203-961-6 (EC Index-No.) 603-096-00-8 (REACH-no) 01-2119475104-44-xxxx | 5-<=10 | Eye Irrit. 2, H319 | |
| acetic acid % (Note B) | (CAS-No.) 64-19-7 (EC-No.) 200-580-7 (EC Index-No.) 607-002-00-6 | 0,5-1 | Flam. Liq. 3, H226 Skin Corr. 1A, H314 | |

| Name | Product identifier | Specific concentration limits |
|---------------|--|--|
| acetic acid % | (CAS-No.) 64-19-7 (EC-No.) 200-580-7 (EC Index-No.) 607-002-00-6 | (10 = <c 2,="" 25)="" <="" eye="" h319<br="" irrit.="">(10 =<c 2,="" 25)="" <="" h315<br="" irrit.="" skin="">(25 =<c 1b,="" 90)="" <="" corr.="" h314<br="" skin="">(C >= 90) Skin Corr. 1A, H314</c></c></c> |

Note B : Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid ... %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.

Full text of H-statements: see section 16

| SECTION 4: First aid me | asures | | | |
|---|--------------------|--|--|--|
| 4.1. Description of first a | | | | |
| First-aid measures general | : | Take off immediately all contaminated clothing. Remove from exposure, if possible in fresh air and lie down the victim. In case of doubt or persistent symptoms, consult always a physician. | | |
| First-aid measures after inhalation | on : | Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medica advice. | | |
| First-aid measures after skin cor | ntact : | Take off immediately all contaminated clothing. Wash skin with plenty of water. If skin irritation occurs: Get medical advice/attention. | | |
| First-aid measures after eye con | itact : | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. | | |
| First-aid measures after ingestio | n : | Rinse mouth. Do not give an unconscious person anything to drink. Drink plenty of water. Do not induce vomiting. Get medical advice/attention. | | |
| 4.2. Most important symp | otoms and effects, | both acute and delayed | | |
| Symptoms/effects after skin con | tact : | Irritation. | | |
| Symptoms/effects after eye cont | tact : | Eye irritation. | | |
| 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 | : | Water spray. Dry powder. Foam. Carbon dioxide. Use fire fighting measures suiting the environment. | | |
| Unsuitable extinguishing media | : | Strong water jet. | | |
| 5.2. Special hazards aris | ing from the subst | ance or mixture | | |
| Hazardous decomposition produ | ucts in case of : | Toxic fumes may be released. Carbon monoxide. Carbon dioxide. Nitrogen oxides. Silicon oxide. | | |
| 5.3. Advice for firefighter | S | | | |
| Firefighting instructions | : | Cool down the containers exposed to heat with a water spray. | | |
| Protection during firefighting | : | Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. | | |

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

| Other information | : Notify authorities if liquid enters sewers or public waters. Do not allow run-off from fire fighting | | |
|--|---|--|--|
| | to enter drains or water courses. Disposal must be done according to official regulations. | | |
| SECTION 6: Accidental release me | easures | | |
| 6.1. Personal precautions, protective | equipment and emergency procedures | | |
| General measures | : Shelter from vapours by keeping upwind. Avoid contact with skin, eyes and clothing. Spills of this product present a serious slipping hazard. Wear personal protective equipment. | | |
| 6.1.1. For non-emergency personnel | | | |
| Emergency procedures | : Ventilate spillage area. Avoid contact with skin and eyes. | | |
| 6.1.2. For emergency responders | | | |
| Protective equipment | : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". | | |
| 6.2. Environmental precautions | | | |
| Avoid sub-soil penetration. Prevent entry to se | ewers and public waters. | | |
| 6.3. Methods and material for contain | ment and cleaning up | | |
| Methods for cleaning up | : Take up liquid spill into absorbent material. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. | | |
| Other information | : Disposal must be done according to official regulations. | | |
| 6.4. Reference to other sections | | | |
| Information for safe handling. See section 7. (section 13. | Concerning personal protective equipment to use, see section 8. For further information refer to | | |
| SECTION 7: Handling and storage | | | |
| 7.1. Precautions for safe handling | | | |
| i roodationo for ouro nanaling | | | |
| Precautions for safe handling | : Ensure good ventilation of the work station. Avoid contact with skin, eyes and clothing. Avoid contact with skin and eyes. Wear personal protective equipment. | | |
| · · · · · · · · · · · · · · · · · · · | | | |
| Precautions for safe handling Hygiene measures | contact with skin and eyes. Wear personal protective equipment. Contaminated work clothing should not be allowed out of the workplace. Avoid contact with ski and eyes. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. | | |
| Precautions for safe handling Hygiene measures 7.2. Conditions for safe storage, inclu | contact with skin and eyes. Wear personal protective equipment. Contaminated work clothing should not be allowed out of the workplace. Avoid contact with ski and eyes. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. | | |
| Precautions for safe handling Hygiene measures 7.2. Conditions for safe storage, inclu Storage conditions | contact with skin and eyes. Wear personal protective equipment. Contaminated work clothing should not be allowed out of the workplace. Avoid contact with ski and eyes. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. | | |
| Precautions for safe handling Hygiene measures | contact with skin and eyes. Wear personal protective equipment. Contaminated work clothing should not be allowed out of the workplace. Avoid contact with ski and eyes. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. uding any incompatibilities Keep container tightly closed. | | |
| Precautions for safe handling Hygiene measures 7.2. Conditions for safe storage, inclu Storage conditions Maximum storage period | contact with skin and eyes. Wear personal protective equipment. Contaminated work clothing should not be allowed out of the workplace. Avoid contact with ski and eyes. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. uding any incompatibilities Keep container tightly closed. 6 months | | |
| Precautions for safe handling Hygiene measures 7.2. Conditions for safe storage, inclu Storage conditions Maximum storage period Storage temperature Information about storage in one common | contact with skin and eyes. Wear personal protective equipment. Contaminated work clothing should not be allowed out of the workplace. Avoid contact with ski and eyes. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. uding any incompatibilities Keep container tightly closed. 6 months 5 - 30 °C | | |
| Precautions for safe handling Hygiene measures 7.2. Conditions for safe storage, inclu Storage conditions Maximum storage period Storage temperature Information about storage in one common storage facility | contact with skin and eyes. Wear personal protective equipment. Contaminated work clothing should not be allowed out of the workplace. Avoid contact with ski and eyes. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Iding any incompatibilities Keep container tightly closed. 6 months 5 - 30 °C Do not store with: oxidizing materials. Keep away from food, drink and animal feeding stuffs. | | |

SECTION 8: Exposure controls/personal protection

| 8.1. Control parameters |
|-------------------------|
|-------------------------|

| 2-(2-butoxyethoxy)ethanol (112-34-5) | | | |
|---|---------------------------------|---------------------------------|--|
| EU | Local name | 2-(2-Butoxyethoxy)ethanol | |
| EU | IOELV TWA (mg/m ³) | 67.5 mg/m³ | |
| EU | IOELV TWA (ppm) | 10 ppm | |
| EU | IOELV STEL (mg/m ³) | 101.2 mg/m ³ | |
| EU | IOELV STEL (ppm) | 15 ppm | |
| EU | Regulatory reference | COMMISSION DIRECTIVE 2006/15/EC | |
| United Kingdom | Local name | 2-(2-Butoxyethoxy)ethanol | |
| United Kingdom | WEL TWA (mg/m ³) | 67.5 mg/m³ | |
| United Kingdom | WEL TWA (ppm) | 10 ppm | |
| United Kingdom | WEL STEL (mg/m ³) | 101.2 mg/m ³ | |
| United Kingdom | WEL STEL (ppm) | 15 ppm | |
| United Kingdom Regulatory reference | | EH40. HSE | |
| acetic acid % (64-19-7) | | | |
| EU | Local name | Acetic acid | |
| EU | IOELV TWA (mg/m ³) | 25 mg/m ³ | |
| EU | IOELV TWA (ppm) | 10 ppm | |
| EU IOELV STEL (mg/m ³) 50 mg/m ³ | | 50 mg/m ³ | |
| 44/00/0047 | 00 | 2/0 | |

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

| acetic acid % (64-19-7) | | |
|-------------------------|----------------------|------------------------------------|
| EU | IOELV STEL (ppm) | 20 ppm |
| EU | Regulatory reference | COMMISSION DIRECTIVE (EU) 2017/164 |

8.2. Exposure controls

Appropriate engineering controls:

Remove contaminated clothing and shoes. Wash hands before break and at end of works. Do not eat, drink or smoke in areas where product is used. Ensure good ventilation of the work station. Do not breathe vapour/aerosol.

Hand protection:

Please follow the instructions related to the permeability and the penetration time provided by the manufacturer. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. The above-mentioned times are based on reference values as per EN 374. Under practical conditions (33°C – taking into account the body temperature), the maximum wearing time is to be limited to one-third.

| Туре | Material | Permeation | Thickness (mm) | Penetration | Standard |
|--|----------------------|-------------------|----------------|-------------|----------|
| Chemically resistant protective gloves | Nitrile rubber (NBR) | 6 (> 480 minutes) | >=0,4 mm | | EN 374 |
| Chemically resistant protective gloves | Butyl rubber | 6 (> 480 minutes) | >=0,4 mm | | EN 374 |

Eye protection:

Wear closed safety glasses. EN 166

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. EN 143

| Device | Filter type | Condition | Standard |
|---------------------------------|-------------|--|----------|
| Breathing apparatus with filter | A-P2 | In case of unintentional release of substance, exceeding the occupational exposure limit value | EN 143 |

Environmental exposure controls:

Avoid release to the environment.

| SECTION 9: Physical and chemical properties | | |
|---|---------------------------------|--|
| 9.1. Information on basic physical and | chemical properties | |
| Physical state | : Liquid | |
| Appearance | : milky. | |
| Colour | : whitish. | |
| Odour | : weak. characteristic. | |
| Odour threshold | : No data available | |
| рН | : 3.5 - 5 (20°C) | |
| Relative evaporation rate (butylacetate=1) | : No data available | |
| Melting point | : Not applicable | |
| Freezing point | : No data available | |
| Boiling point | : ≈ 100 °C | |
| Flash point | : > 95 °C | |
| Auto-ignition temperature | : No data available | |
| Decomposition temperature | : No data available | |
| Flammability (solid, gas) | : Not applicable | |
| Vapour pressure | : ≈ 23 hPa (20°C) | |
| Relative vapour density at 20 °C | : No data available | |
| Relative density | : No data available | |
| Density | : 0.99 g/cm ³ (20°C) | |
| Solubility | : Miscible. | |
| Log Pow | : No data available | |

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

| according t | o Regulation (EC) No. 1907/2006 (REACH) | | |
|-------------|---|------|----------------------------|
| Viscosity | y, kinematic | : | No data available |
| Viscosity | y, dynamic | : | 31 Seconds (20°C; ISO 3mm) |
| Explosiv | ve properties | : | No data available |
| Oxidising | g properties | : | No data available |
| Explosiv | e limits | : | No data available |
| 9.2. | Other information | | |
| No addit | tional information available | | |
| SECTI | ON 10: Stability and reactivity | y | |
| 10.1. | Reactivity | | |
| The proc | duct has not been tested. | | |
| 10.2. | Chemical stability | | |
| Stable u | inder normal conditions. | | |
| 10.3. | Possibility of hazardous reactions | | |
| No dang | gerous reactions known under normal co | ondi | tions of use. |
| 10.4. | Conditions to avoid | | |
| Keep ou | it of frost. | | |
| 10.5 | Incompatible materials | | |

10.5. Incompatible materials

Strong oxidizing agent.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

| SECTION 11: Toxicological information | | | |
|--|--|--|--|
| 11.1. Information on toxicological effects | | | |
| Acute toxicity (oral) | : Not classified (Based on available data, the classification criteria are not met) | | |
| Acute toxicity (dermal) | : Not classified (Based on available data, the classification criteria are not met) | | |
| Acute toxicity (inhalation) | : Not classified (Based on available data, the classification criteria are not met) | | |
| Nanoflex L-Care | | | |
| LD50 oral rat | > 5000 mg/kg bodyweight | | |
| Skin corrosion/irritation | : Causes skin irritation. (Based on available data, the classification criteria are not met) pH: 3.5 - 5 (20°C) | | |
| Serious eye damage/irritation | : Causes serious eye irritation. (Based on available data, the classification criteria are not met) pH: 3.5 - 5 (20°C) | | |
| Respiratory or skin sensitisation | : Not classified (Based on available data, the classification criteria are not met) | | |
| Germ cell mutagenicity | : Not classified (Based on available data, the classification criteria are not met) | | |
| Carcinogenicity | : Not classified (Based on available data, the classification criteria are not met) | | |
| Reproductive toxicity | : Not classified (Based on available data, the classification criteria are not met) | | |
| STOT-single exposure | : Not classified (Based on available data, the classification criteria are not met) | | |
| STOT-repeated exposure | : Not classified (Based on available data, the classification criteria are not met) | | |
| Aspiration hazard | : Not classified (Based on available data, the classification criteria are not met) | | |

| SECTION 12: Ecological int | formation |
|-----------------------------------|---|
| 12.1. Toxicity | |
| Acute aquatic toxicity | : Not classified (Based on available data, the classification criteria are not met) |
| Chronic aquatic toxicity | : Not classified (Based on available data, the classification criteria are not met) |
| Nanoflex L-Care | |
| EC50 Daphnia 1 | > 500 mg/l |
| | |

| 12.2. | Persistence and degradability | |
|---------------------------------|-------------------------------|------------------------------------|
| Nanofl | Nanoflex L-Care | |
| Persistence and degradability | | Biodegradable. (OECD 302B method). |
| Biochemical oxygen demand (BOD) | | 90 mg/l |

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

| Nanoflex L-Care | | | |
|-------------------------------------|---------------------------|----------|--|
| Chemical oxygen demand (COD) | | 510 mg/l | |
| 12.3. | Bioaccumulative potential | | |
| No additional information available | | | |

12.4. Mobility in soil

No additional information available

| Nanoflex L-Care | | |
|--|---|--|
| This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII | | |
| This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII | | |
| Component | | |
| acetic acid % (64-19-7) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII | |
| 2-(2-butoxyethoxy)ethanol (112-34-5) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII | |

12.6. Other adverse effects

No additional information available

| SECTION 13: Disposal considerations | | | |
|---|---|--|--|
| 13.1. Waste treatment methods | | | |
| Regional legislation (waste) | : European waste catalogue. | | |
| Waste treatment methods | : Disposal must be done according to official regulations. European waste catalogue. Do not dispose of with domestic waste. Do not discharge into drains or the environment. | | |
| Product/Packaging disposal recommendations HP Code | Disposal must be done according to official regulations. HP4 - "Irritant — skin irritation and eye damage:" waste which on application can cause skin irritation or damage to the eye. | | |

SECTION 14: Transport information

| In accordance with ADR / RID / IMDG / IATA / ADN | | | | |
|--|----------------|----------------|----------------|----------------|
| ADR | IMDG | ΙΑΤΑ | ADN | RID |
| 14.1. UN number | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 14.2. UN proper shippi | ng name | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 14.3. Transport hazard | class(es) | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 14.4. Packing group | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 14.5. Environmental hazards | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| No supplementary information available | | | | |

14.6. Special precautions for user

- Overland transport

Not applicable

- Transport by sea

Not applicable

- Air transport

Not applicable

- Inland waterway transport

Not applicable

- Rail transport

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable

Not applicable

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

| 3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008 | acetic acid % - 2-(2-butoxyethoxy)ethanol |
|--|---|
| 3(a) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F | acetic acid % |
| 3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10 | Nanoflex L-Care - acetic acid % - functionalized polymer - 2-(2- butoxyethoxy)ethanol |
| 40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not. | acetic acid % |
| 55. 2-(2-butoxyethoxy)ethanol (DEGBE) | 2-(2-butoxyethoxy)ethanol |

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:

| ADDIEVIALIONS a | |
|-----------------|---|
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| ATE | Acute Toxicity Estimate |
| BCF | Bioconcentration factor |
| CLP | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008 |
| DMEL | Derived Minimal Effect level |
| DNEL | Derived-No Effect Level |
| DPD | Dangerous Preparations Directive 1999/45/EC |
| DSD | Dangerous Substances Directive 67/548/EEC |
| EC50 | Median effective concentration |
| IARC | International Agency for Research on Cancer |
| ΙΑΤΑ | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods |
| LC50 | Median lethal concentration |
| LD50 | Median lethal dose |
| LOAEL | Lowest Observed Adverse Effect Level |
| NOAEC | No-Observed Adverse Effect Concentration |
| NOAEL | No-Observed Adverse Effect Level |
| NOEC | No-Observed Effect Concentration |
| OECD | Organisation for Economic Co-operation and Development |
| PBT | Persistent Bioaccumulative Toxic |
| PNEC | Predicted No-Effect Concentration |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS | Safety Data Sheet |
| STP | Sewage treatment plant |
| TLM | Median Tolerance Limit |
| vPvB | Very Persistent and Very Bioaccumulative |
| | |

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

| Data sources : MSE | | : MSDS of the supplier. | |
|--|--------------------------|---|--|
| Department issuing data specification sheet: : KF Im Po: | | : KFT Chemieservice GmbH Im Leuschnerpark. 3 64347 Griesheim Postfach 1451 64345 Griesheim Germany | |
| | | Phone: +49 6155-8981-400 Fax: +49 6155 8981-500 Safety Data Sheet Service: +49 6155 8981-522 | |
| Contact person | | : Dr. Sonja Fischer | |
| Full text of H- and EUH-sta | atements: | | |
| Eye Irrit. 2 | Serious ey | Serious eye damage/eye irritation, Category 2 | |
| Flam. Liq. 3 | Flammabl | Flammable liquids, Category 3 | |
| Skin Corr. 1A | Skin corro | Skin corrosion/irritation, Category 1A | |
| Skin Irrit. 2 | Skin corro | Skin corrosion/irritation, Category 2 | |
| H226 | Flammabl | Flammable liquid and vapour. | |
| H314 | Causes se | Causes severe skin burns and eye damage. | |
| H315 | Causes sl | Causes skin irritation. | |
| H319 | Causes se | Causes serious eye irritation. | |
| Classification and procedu | re used to derive the cl | assification for mixtures according to Regulation (EC) 1272/2008 [CLP]: | |
| Skin Irrit. 2 | H315 | Calculation method | |
| Eye Irrit. 2 | H319 | H319 Calculation method | |

KFT SDS EU 01

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product