| | | | | | xle | |
|--------|----------------------------|--------------------------------|------------------------------|------------------------------|--------------|--|
| | acc | | 2) No 1907/2006 (REACH) a | as amended 💦 💙 | | |
| | | NEXLER L | EPIK NA ZIMNO | | | |
| | | Brd March 2021 | | | | |
| Revisi | on date 17 | 7th April 2023 | Version | 1.2 | | |
| SECT | ION 1: Identification of t | he substance/mixture | e and of the company/ur | dertaking | | |
| 1.1. | Product identifier | | NEXLER LEPIK NA | | | |
| | Substance / mixture | | mixture | | | |
| | UFI | | T6AN-Y0XG-N00 | Г-49ТС | | |
| | Other mixture names | | | | | |
| | NEXLER COLD GLU | = | | | | |
| 1.2. | Relevant identified use | s of the substance or | mixture and uses advise | ed against | | |
| | Mixture's intended use | | | | | |
| | | | | sphalt felt in the performan | ce of multi- | |
| | layer insulation and for m | aking jointless anti-mois | sture insulation. | | | |
| | Main intended use | | | | | |
| | PC-ADH-2 | Adhesives and se adhesives) | alants - building and const | ruction works (except ceme | nt based | |
| | Secondary uses | | | | | |
| | PC-CON-5 | Construction chemicals | | | | |
| | Mixture uses advised a | - | | | | |
| | The product should not b | e used in ways other tha | in those referred in Section | 1. | | |
| 1.3. | Details of the supplier | of the safety data she | et | | | |
| | Supplier | | | | | |
| | Name or trade nam | e | IZOHAN sp. z o. | 0. | | |
| | Address | | Łużycka 2, Gdyni | a, 81-963 | | |
| | | | Poland | | | |
| | Identification numb | er (CRN) | 191528483 | | | |
| | VAT Reg No | | PL5862073821 | | | |
| | Phone | | +48 58 781 45 8 | 5 | | |
| | E-mail | | info@izohan.eu | | | |
| | Web address | | www.izohan.eu | | | |
| | Competent person resp | onsible for the safety | | | | |
| | Name | | IZOHAN sp. z o. | 0. | | |
| | E-mail | | info@izohan.eu | | | |
| 1.4. | Emergency telephone | | | | | |
| | National Health Service (| | | | | |
| | National poisoning inform | ation centre Scotland, N | IHS 24: 111 | | | |

2.1. Classification of the substance or mixture

Classification of the mixture in accordance with Regulation (EC) No 1272/2008 The mixture is classified as dangerous.

Flam. Liq. 3, H226

Full text of all classifications and hazard statements is given in the section 16.

Most serious adverse physico-chemical effects

Flammable liquid and vapour.

2.2. Label elements

Hazard pictogram





according to Regulation (EC) No 1907/2006 (REACH) as amended

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| | | EPIK NA ZIMNU | | | | |
|--------------------------|-------------------------------|-----------------------------|--------------------------------|-----------------|--|--|
| Creation date | 23rd March 2021 | | | | | |
| Revision date | 17th April 2023 | Version | 1.2 | | | |
| Hazard state | ments | | | | | |
| H226 | Flammable liquid | and vapour. | | | | |
| Precautionary statements | | | | | | |
| P102 | Keep out of reac | n of children. | | | | |
| P210 | Keep away from No smoking. | heat, hot surfaces, sparks, | open flames and other ig | nition sources. | | |
| P264 | Wash hands and | exposed parts of the body | thoroughly after handling |]. | | |
| P280 | Wear protective | gloves/protective clothing/ | eye protection/face protection | ction. | | |
| P501 | Dispose of conte | nts/container to according | to the instructions of the | manufacturer | | |

or person authorized to dispose of waste.

2.3. Other hazards

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

| Identification numbers | Substance name | Content in % weight | Classification according to Regulation (EC) No 1272/2008 | Note |
|---|--|------------------------|---|------|
| EC: 905-588-0 Registration number: 01-2119488216-32 | reaction mass of ethylbenzene and xylene | 8-9 | Flam. Liq. 3, H226 Asp. Tox. 1, H304 Acute Tox. 4, H312+H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 | 1, 2 |

Notes

- 1 A substance for which exposure limits are set.
- 2 Substance for which biological limit values exist.

Full text of all classifications and hazard statements is given in the section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet. If unconscious, put the person in the stabilized (recovery) position on his side with his head slightly bent backwards and make sure that airways are free; never induce vomiting. If the person vomits by himself, make sure that the vomit is not inhaled. In life threatening conditions first of all provide resuscitation of the affected person and ensure medical assistance. Respiratory arrest - provide artificial respiration immediately. Cardiac arrest - provide indirect cardiac massage immediately.

If inhaled

Terminate the exposure immediately; move the affected person to fresh air. Protect the person against growing cold. Provide medical treatment if irritation, dyspnoea or other symptoms persist.

If on skin

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible. Soap, soap solution or shampoo should be used if there is no skin injury. Provide medical treatment if skin irritation persists. Rinse skin with water or shower.

If in eyes

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. Rinsing should continue at least for 10 minutes.

If swallowed

Rinse out the mouth with clean water. In the event of issues, find medical help.



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

If inhaled Not expected. If on skin Not expected. If in eyes Not expected. If swallowed Not expected.

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

Unsuitable extinguishing media

Water - full jet.

5.2. Special hazards arising from the substance or mixture

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

5.3. Advice for firefighters

Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Use a self-contained breathing apparatus and full-body protective clothing. Closed containers with the product near the fire should be cooled with water. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Provide sufficient ventilation. Flammable liquid and vapour. Remove all ignition sources. Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8.

6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water.

6.3. Methods and material for containment and cleaning up

Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13. In the event of leakage of the substantial amount of the product, inform fire brigade and other competent bodies. After removal of the product, wash the contaminated site with plenty of water. Do not use solvents.

6.4. Reference to other sections

See the Section 7, 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Prevent formation of gases and vapours in flammable or explosive concentrations and concentrations exceeding the occupational exposure limits. The product should be used only in the areas where it is not in contact with open fire and other ignition sources. Use non-sparking tools. Use of antistatic clothes and footwear is recommended. No smoking. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection. Ground and bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Take action to prevent static discharges.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose. Do not expose to sunlight. Keep container tightly closed. Keep cool.



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The specific requirements or rules relating to the substance/mixture

Solvent vapours are heavier than air and accumulate especially near the floor where they may form an explosive mixture with the air.

7.3. Specific end use(s)

not available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The mixture contains substances for which occupational exposure limits are set.

| United Kingdom E | H40/2005 Wo | ·kplace exposu | re limits (Fourth Edition 2020) |
|-----------------------------------|-------------|-----------------------|--|
| Substance name (component) | Туре | Value | Note |
| | WEL 8h | 220 mg/m ³ | |
| | WEL 8h | 50 ppm | Can be absorbed through the skin. The assigned substances are those for which there are |
| Xylene, o-,m-,p- or mixed isomers | WEL 15min | 441 mg/m ³ | concerns that dermal absorption will lead to systemic toxicity. |
| | WEL 15min | 100 ppm | |
| | WEL 8h | 441 mg/m ³ | |
| ethylbenzene | WEL 8h | 100 ppm | Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity. |
| | WEL 15min | 552 mg/m³ | |



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United KingdomEH40/2005 Workplace exposure limits (Fourth Edition 2020)Substance name (component)TypeValueNoteethylbenzeneWEL 15min125 ppmCan be absorbed through the
skin. The assigned substances
are those for which there are
concerns that dermal
absorption will lead to systemic
toxicity.

Biological limit values

United Kingdom

EH40/2005 Workplace exposure limits (Fourth Edition 2020)

| Name | Parameter | Value | Tested material | Time of sampling |
|---|----------------------|----------------------------|--------------------|------------------|
| reaction mass of ethylbenzene and xylene | Methylhippuric acids | 650 mmol/mol creatinine | Urine | End of shift |

DNEL

reaction mass of ethylbenzene and xylene

| Workers / consumers | Route of exposure | Value | Effect | Value determination | Source |
|------------------------|-------------------|---------------------------|--------------------------|------------------------|--------|
| Workers | Inhalation | 442 mg/m ³ | Acute effects systemic | | |
| Workers | Inhalation | 442 mg/m ³ | Acute effects local | | |
| Workers | Dermal | 212 mg/kg bw/day | Chronic effects systemic | | |
| Workers | Inhalation | 221 mg/m ³ | Chronic effects local | | |
| Workers | Inhalation | 221 mg/m ³ | Chronic effects systemic | | |
| Consumers | Inhalation | 260 mg/m ³ | Acute effects systemic | | |
| Consumers | Inhalation | 260 mg/m ³ | Acute effects local | | |
| Consumers | Dermal | 125 mg/kg bw/day | Chronic effects systemic | | |
| Consumers | Inhalation | 65.3 mg/m ³ | Chronic effects systemic | | |
| Consumers | Inhalation | 65.3 mg/m ³ | Chronic effects local | | |
| Consumers | Oral | 12.5 mg/kg bw/day | Chronic effects systemic | | |

PNEC

reaction mass of ethylbenzene and xylene

| Route of exposure | Value | Value determination | Source |
|------------------------------------|-------------------------------------|---------------------|--------|
| Drinking water | 0.327 mg/l | | |
| Marine water | 0.327 mg/l | | |
| Freshwater sediment | 12.46 mg/kg of food | | |
| Sea sediments | 12.46 mg/kg of food | | |
| Soil (agricultural) | 2.31 mg/kg of dry substance of soil | | |
| Water (intermittent release) | 0.327 mg/l | | |
| Microorganisms in sewage treatment | 6.58 mg/l | | |



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8.2. Exposure controls

Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

Eye/face protection

Protective goggles.

Skin protection

Hand protection: Protective gloves resistant to the product. Contaminated skin should be washed thoroughly.

Respiratory protection

Halfmask with a filter against organic vapours or a self-contained breathing apparatus as appropriate if exposure limit values of substances are exceeded or in a poorly ventilated environment.

Thermal hazard

Not available.

Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| Ph | iysical state | liquid |
|-----|---|------------------------------------|
| Co | blour | black |
| 00 | dour | irritating |
| Me | elting point/freezing point | <-20 °C |
| Bo | piling point or initial boiling point and boiling range | ≥136 °C |
| Fla | ammability | Flammable liquid and vapour. |
| Lo | wer and upper explosion limit | not determined |
| Fla | ash point | 31-40 °C |
| Αι | ito-ignition temperature | not determined |
| | reaction mass of ethylbenzene and xylene | 432-528 °C |
| De | ecomposition temperature | not applicable |
| p⊦ | 1 | non-soluble (in water) |
| Ki | nematic viscosity | >20,5 mm²/s at 40 °C |
| Vi | scosity | thixotropic behaviour |
| Sc | olubility in water | insoluble |
| Sc | olubility in other solvents | dissolves in most organic solvents |
| Pa | rtition coefficient n-octanol/water (log value) | does not apply to mixtures |
| Va | apour pressure | not determined |
| | reaction mass of ethylbenzene and xylene | 6,5-9,5 hPa at 20 °C |
| De | ensity and/or relative density | |
| | Density | 1,6-1,8 g/cm ³ at 22 °C |
| Re | elative vapour density | >1 |
| Pa | irticle characteristics | applies to solids |
| 01 | ther information | |
| nc | ot available | |

SECTION 10: Stability and reactivity

10.1. Reactivity

9.2.

The mixture is not reactive.

10.2. Chemical stability The product is stable under normal conditions. 10.3. Possibility of hazardous reactions

Unknown.



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10.4. Conditions to avoid

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost.

10.5. Incompatible materials

Protect against strong acids, bases and oxidizing agents.

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10.6. Hazardous decomposition products

Not developed under normal uses.

SECTION 11: Toxicological information

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

Inhalation of solvent vapors above values exceeding exposure limits for working environment may result in acute inhalation poisoning, depending on the level of concentration and exposure time. No toxicological data is available for the mixture.

Acute toxicity

Based on available data the classification criteria are not met.

reaction mass of ethylbenzene and xylene

| Route of exposure | Parameter | Method | Value | Exposure time | Species | Sex |
|--------------------|-----------|--------|-------------------------|------------------|---------|-----|
| Oral | LD50 | EU B.1 | 3523 mg/kg bw | | Rat | М |
| Inhalation (vapor) | LC50 | EU B.2 | 27124 mg/m ³ | 4 hours | Rat | М |
| Skin | LD50 | | 12126 mg/kg bw | | Rabbit | М |

Irritation

reaction mass of ethylbenzene and xylene

| Route of exposure | Result | Exposure time | Species |
|-------------------|------------|---------------|---------|
| Inhalation | Irritating | | |

Skin corrosion/irritation

Based on available data the classification criteria are not met.

reaction mass of ethylbenzene and xylene

| Route of exposure | Result | Method | Exposure time | Species |
|-------------------|------------|--------|---------------|---------|
| Dermal | Irritating | EU B.4 | 4 hours | Rabbit |

Serious eye damage/irritation

Based on available data the classification criteria are not met.

reaction mass of ethylbenzene and xylene

| Route of exposure | Result | Exposure time | Species |
|-------------------|------------|---------------|---------|
| Eye | Irritating | | Rabbit |

Respiratory or skin sensitisation

Based on available data the classification criteria are not met.

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.

Toxicity for specific target organ - single exposure

Based on available data the classification criteria are not met.

Toxicity for specific target organ - repeated exposure

Based on available data the classification criteria are not met.



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Repeated dose toxicity

reaction mass of ethylbenzene and xylene

| Route of exposure | Parameter | Result | Method | Value | Exposure time | Species | Sex |
|-----------------------|-----------|---------------------|---------|------------------------|---------------|----------------------------|-----|
| Oral | NOAEL | Systemic effects | EU B.32 | 250 mg/kg bw/day | 103 weeks | Rat (Rattus norvegicus) | F/M |
| Inhalation (vapor) | NOAEC | Systemic effects | | 3515 mg/m ³ | 13 weeks | Dog | М |

Aspiration hazard

Based on available data the classification criteria are not met.

11.2. Information on other hazards

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 12: Ecological information

12.1. Toxicity

Acute toxicity

reaction mass of ethylbenzene and xylene

| Parameter | Method | Value | Exposure time | Species | Environmen t |
|-----------|----------|------------------------------------|---------------|---|------------------|
| LC50 | OECD 203 | 2.6 mg/l | 96 hours | Fish (Oncorhynchus mykiss) | |
| EC₅o | OECD 201 | 2.2 mg/l | 73 hours | Algae (Pseudokirchneriella subcapitata) | |
| EC₅o | OECD 209 | >157 mg/l | 3 hours | Aquatic microorganisms | Activated sludge |
| NOEC | OECD 201 | 0.44 mg/l | 72 hours | Algae (Pseudokirchneriella subcapitata) | |
| IC50 | | 220 mg/kg of dry substance of soil | 10 hours | Microorganisms | |
| EC₅o | OECD 202 | 1 mg/l | 24 hours | Aquatic invertebrates (Daphnia magna) | |

Chronic toxicity

reaction mass of ethylbenzene and xylene

| Parameter | Method | Value | Exposure time | Species | Environmen t |
|-----------|-----------|-----------------------------------|---------------|---|------------------|
| NOEC | | >1.3 mg/l | 56 days | Fish (Salmo gairdneri) | |
| NOEC | | 0.96 mg/l | 7 days | Aquatic invertebrates (Ceriodaphnia dubia) | |
| NOEC | OECD 301F | 16 mg/l | 28 days | Aquatic microorganisms | Activated sludge |
| NOEC | | 16 mg/kg of dry substance of soil | 14 weeks | Invertebrates (Eisenia andrei) | |

12.2. Persistence and degradability

Biodegradability

reaction mass of ethylbenzene and xylene

| Parameter | Value | Exposure time | Environment | Result |
|-----------|-------|---------------|-------------|----------------------|
| | | | | Easily biodegradable |

The product is partially biodegradable.

12.3. Bioaccumulative potential



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reaction mass of ethylbenzene and xylene

| Parameter | Value | Exposure time | Species | Environment | Temperature [°C] |
|-----------|-------|---------------|---------|-------------|---------------------|
| BCF | 25.9 | | | | |
| Log Pow | 3.16 | | | | 20°C |
| | | | | | |

Bioaccumulation is not expected.

12.4. Mobility in soil

reaction mass of ethylbenzene and xylene

| Parameter | Method | Value | Environment | Temperature |
|-----------|----------|-------|-------------|-------------|
| Log Koc | OECD 121 | 2.73 | | |

The product is insoluble in water and does not show mobility in soil.

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12.5. Results of PBT and vPvB assessment

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

12.6. Endocrine disrupting properties

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

12.7. Other adverse effects

Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Danger of environmental contamination, follow the applicable waste disposal regulations. Store unused product and contaminated packaging in closed containers for waste collection and hand over for disposal to a specialized company authorized to conduct such activity. Do not pour unused product into drains. It must not be disposed of together with municipal waste. Empty packaging can be used for energy in a waste incineration plant or collected in a landfill with an appropriate classification. Perfectly cleaned packaging can be recycled. The classification of waste may change depending on where it is generated.

Waste management legislation

Producer Responsibility Obligations (Packaging Waste) Regulations 2007 (S.I. No. 871 of 2007). Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

SECTION 14: Transport information

14.1. UN number or ID number

UN 1993

14.2. UN proper shipping name

FLAMMABLE LIQUID, N.O.S. (contains: reaction mass of ethylbenzene and xylene)

- 14.3. Transport hazard class(es)
- 3 Flammable liquids
- 14.4. Packing group
- III substances presenting low danger **L4.5. Environmental hazards**
- 14.5. Enviro No.
- 14.6. Special precautions for user

Reference in the Sections 4 to 8.

14.7. Maritime transport in bulk according to IMO instruments not relevant

| | SAFE | TY DATA SHEET | (ine | xler |
|--------------------------------|------------------------------------|--------------------------------|-------------------------------|---------------|
| | according to Regulation | (EC) No 1907/2006 (REACH) a | | |
| | NEXLER | R LEPIK NA ZIMNO | | |
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| of ADR (2.2.3.1.5 | ict packed in receptacles with | a capacity of not more than 4. | 50 liters is not subject to t | he provisions |
| UN number | | 1993 | | |
| Classification Safety signs | | F1 3 | | |
| Salety signs | | | | |
| Marine transpo | rt - IMDG | | | |

SECTION 15: Regulatory information

MFAG

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

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Clean Air Act 1993 as amended. The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 as amended. Public health act 1961. Environmental Protection Act 1990 as amended. Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out (mixture).

SECTION 16: Other information

| A list of standard risk phras | es used in the safety data sheet |
|-------------------------------|--|
| H226 | Flammable liquid and vapour. |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H335 | May cause respiratory irritation. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H312+H332 | Harmful in contact with skin or if inhaled. |
| Guidelines for safe handling | used in the safety data sheet |
| P102 | Keep out of reach of children. |
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P264 | Wash hands and exposed parts of the body thoroughly after handling. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P501 | Dispose of contents/container to according to the instructions of the manufacturer or person authorized to dispose of waste. |
| Other important information | about human health protection |

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

Key to abbreviations and acronyms used in the safety data sheet

| ADR | European agreement concerning the international carriage of dangerous goods by |
|-----|--|
| | road |



according to Regulation (EC) No 1907/2006 (REACH) as amended

NEXLER LEPIK NA ZIMNO Creation date 23rd March 2021 1.2 Revision date 17th April 2023 Version BCF **Bioconcentration Factor** CAS Chemical Abstracts Service CLP Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures Identification code for each substance listed in EINECS FC EC50 Concentration of a substance when it is affected 50% of the population FINECS European Inventory of Existing Commercial Chemical Substances FmS Emergency plan FU European Union EuPCS European Product Categorisation System IATA International Air Transport Association IBC International Code For The Construction And Equipment of Ships Carrying **Dangerous Chemicals** IC50 Concentration causing 50% blockade ICAO International Civil Aviation Organization IMDG International Maritime Dangerous Goods IMO International Maritime Organization INCI International Nomenclature of Cosmetic Ingredients ISO International Organization for Standardization IUPAC International Union of Pure and Applied Chemistry Lethal concentration of a substance in which it can be expected death of 50% of the I C 5 0 population LD 50 Lethal dose of a substance in which it can be expected death of 50% of the population log Kow Octanol-water partition coefficient NOAEC No observed adverse effect concentration NOAEL No observed adverse effect level NOEC No observed effect concentration OEL Occupational Exposure Limits PBT Persistent, Bioaccumulative and Toxic ppm Parts per million REACH Registration, Evaluation, Authorisation and Restriction of Chemicals RID Agreement on the transport of dangerous goods by rail UN Four-figure identification number of the substance or article taken from the UN Model Regulations UVCB Substances of unknown or variable composition, complex reaction products or biological materials VOC Volatile organic compounds vPvB Very Persistent and very Bioaccumulative Acute Tox. Acute toxicity Asp. Tox. Aspiration hazard Eye Irrit. Eye irritation Flammable liquid Flam. Liq. Skin Irrit. Skin irritation STOT RE Specific target organ toxicity - repeated exposure STOT SE Specific target organ toxicity - single exposure

Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

Recommended restrictions of use

not available

Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

The changes (which information has been added, deleted or modified)

Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.