

SAFETY DATA SHEET



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

NEXLER SBS DK

| | | | |
|---------------|-----------------|---------|-----|
| Creation date | 15th July 2022 | Version | 1.1 |
| Revision date | 12th April 2023 | | |

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

- 1.1. Product identifier** NEXLER SBS DK
Substance / mixture mixture
UFI SY5M-F0XR-200W-XAVW
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**
Mixture's intended use
Asphalt mass intended for maintenance and renovation of roofing felt.
Main intended use
PC-CON-5 Construction chemicals
Mixture uses advised against
The product should not be used in ways other than those referred in Section 1.
- 1.3. Details of the supplier of the safety data sheet**
Supplier
Name or trade name IZOHAN sp. z o.o.
Address Łużycka 2, Gdynia, 81-963
Poland
Identification number (CRN) 191528483
VAT Reg No PL5862073821
Phone +48 58 781 45 85
E-mail info@izohan.eu
Web address www.izohan.eu
- Competent person responsible for the safety data sheet**
Name IZOHAN sp. z o.o.
E-mail info@izohan.eu
- 1.4. Emergency telephone number**
National Health Service (NHS) 111
National poisoning information centre Scotland, NHS 24: 111

SECTION 2: Hazards identification

- 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
Skin Irrit. 2, H315
Eye Irrit. 2, H319
STOT RE 2, H373
- Full text of all classifications and hazard statements is given in the section 16.
- Most serious adverse physico-chemical effects**
Flammable liquid and vapour.
- Most serious adverse effects on human health and the environment**
May cause damage to organs through prolonged or repeated exposure. Causes serious eye irritation. Causes skin irritation.

- 2.2. Label elements**
Hazard pictogram



Signal word
Warning

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Hazardous substances

reaction mass of ethylbenzene and xylene

Hazard statements

H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
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.

Requirements for child-resistant fastenings and tactile warning of danger

Container must carry a tactile warning of danger.

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 | 11-14 | 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.

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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. Provide medical treatment, specialized if possible.

If swallowed

Rinse out the mouth with water and provide 2-5 dL of water. Provide medical treatment if the person has any health problems.

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

If inhaled

Not expected.

If on skin

Causes skin irritation.

If in eyes

Causes serious eye irritation.

If swallowed

Irritation, nausea.

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. Prevent contact with skin and eyes.

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.

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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. Prevent contact with skin and eyes. No smoking. Wash hands and exposed parts of the body thoroughly after handling. 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.

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 EH40/2005 Workplace exposure limits (Fourth Edition 2020)

| Substance name (component) | Type | Value | Note |
|-----------------------------------|-----------|-----------------------|---|
| Xylene, o-,m-,p- or mixed isomers | WEL 8h | 220 mg/m ³ | 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 8h | 50 ppm | |
| | WEL 15min | 441 mg/m ³ | |
| | WEL 15min | 100 ppm | |
| ethylbenzene | WEL 8h | 441 mg/m ³ | 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 8h | 100 ppm | |

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United Kingdom EH40/2005 Workplace exposure limits (Fourth Edition 2020)

| Substance name (component) | Type | Value | Note |
|----------------------------|-----------|-----------------------|---|
| ethylbenzene | WEL 15min | 552 mg/m ³ | 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 | 125 ppm | |

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 | | |

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reaction mass of ethylbenzene and xylene

| Route of exposure | Value | Value determination | Source |
|------------------------------------|------------|---------------------|--------|
| Water (intermittent release) | 0.327 mg/l | | |
| Microorganisms in sewage treatment | 6.58 mg/l | | |

8.2. Exposure controls

Take off contaminated clothing and wash before reuse. 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. When choosing appropriate thickness, material and permeability of the gloves, observe recommendations of their particular manufacturer. Observe other recommendations of the manufacturer. Other protection: protective workwear. 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

| | |
|--|--------------------------------------|
| Physical state | liquid |
| Colour | black |
| Odour | irritating |
| Melting point/freezing point | <-20 °C |
| Boiling point or initial boiling point and boiling range | ≥136 °C |
| Flammability | Flammable liquid and vapour. |
| Lower and upper explosion limit | not determined |
| Flash point | 31-40 °C |
| Auto-ignition temperature | not determined |
| reaction mass of ethylbenzene and xylene | 432-528 °C |
| Decomposition temperature | not applicable |
| pH | non-soluble (in water) |
| Kinematic viscosity | >21 mm ² /s at 40 °C |
| Viscosity | thixotropic behaviour |
| Solubility in water | insoluble |
| Solubility in other solvents | dissolves in most organic solvents |
| Partition coefficient n-octanol/water (log value) | does not apply to mixtures |
| Vapour pressure | not determined |
| reaction mass of ethylbenzene and xylene | 6,5-9,5 hPa at 20 °C |
| Density and/or relative density | |
| Density | 1,30-1,40 g/cm ³ at 22 °C |
| Relative vapour density | >1 |
| Particle characteristics | applies to solids |

9.2. Other information

not available

SECTION 10: Stability and reactivity

10.1. Reactivity

The mixture is not reactive.

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10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

Unknown.

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.

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 | LD ₅₀ | EU B.1 | 3523 mg/kg bw | | Rat | M |
| Inhalation (vapor) | LC ₅₀ | EU B.2 | 27124 mg/m ³ | 4 hours | Rat | M |
| Skin | LD ₅₀ | | 12126 mg/kg bw | | Rabbit | M |

Irritation

reaction mass of ethylbenzene and xylene

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

Skin corrosion/irritation

Causes skin irritation.

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

Causes serious eye irritation.

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

May cause damage to organs through prolonged or 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 (<i>Rattus norvegicus</i>) | F/M |
| Inhalation (vapor) | NOAEC | Systemic effects | | 3515 mg/m ³ | 13 weeks | Dog | M |

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 | Environment |
|------------------|----------|------------------------------------|---------------|--|------------------|
| LC ₅₀ | OECD 203 | 2.6 mg/l | 96 hours | Fish (<i>Oncorhynchus mykiss</i>) | |
| EC ₅₀ | OECD 201 | 2.2 mg/l | 73 hours | Algae (<i>Pseudokirchneriella subcapitata</i>) | |
| EC ₅₀ | OECD 209 | >157 mg/l | 3 hours | Aquatic microorganisms | Activated sludge |
| NOEC | OECD 201 | 0.44 mg/l | 72 hours | Algae (<i>Pseudokirchneriella subcapitata</i>) | |
| IC ₅₀ | | 220 mg/kg of dry substance of soil | 10 hours | Microorganisms | |
| EC ₅₀ | OECD 202 | 1 mg/l | 24 hours | Aquatic invertebrates (<i>Daphnia magna</i>) | |

Chronic toxicity

reaction mass of ethylbenzene and xylene

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

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.

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

14.5. Environmental hazards

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

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Additional information

NOTE: The product packed in receptacles with a capacity of not more than 450 liters is not subject to the provisions of ADR (2.2.3.1.5).

Hazard identification No.

30

UN number

1993

Classification code

F1

Safety signs

3



Marine transport - IMDG

EmS (emergency plan)

F-E, S-E

MFAG

310

SECTION 15: Regulatory information

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

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 phrases 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

| | |
|------|--|
| P101 | If medical advice is needed, have product container or label at hand. |
| 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.

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Key to abbreviations and acronyms used in the safety data sheet

| | |
|---------------------|---|
| ADR | European agreement concerning the international carriage of dangerous goods by road |
| BCF | Bioconcentration Factor |
| CAS | Chemical Abstracts Service |
| CLP | Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures |
| EC | Identification code for each substance listed in EINECS |
| EC ₅₀ | Concentration of a substance when it is affected 50% of the population |
| EINECS | European Inventory of Existing Commercial Chemical Substances |
| EmS | Emergency plan |
| EU | 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 |
| IC ₅₀ | 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 |
| LC ₅₀ | Lethal concentration of a substance in which it can be expected death of 50% of the population |
| LD ₅₀ | Lethal dose of a substance in which it can be expected death of 50% of the population |
| log K _{ow} | 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 |
| Flam. Liq. | Flammable liquid |
| 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

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| Revision date | 12th April 2023 | | |

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)

This safety data sheet replaces version 1.0 dated 15.07.2022.

Updated sections: 1,2,3,4,7,8,9,10,11,12,13,14,15,16.

More information

Classification procedure - calculation method and based on tests of physicochemical properties.

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.
