

SAFETY DATA SHEET

in accordance with the COMMISSION REGULATION (EU) 2020/878

Klej poliuretanowy

| | | | |
|---------------|--------------------|---------|-----|
| Creation date | 16th June 2020 | Version | 3.0 |
| Revision date | 11th February 2022 | | |

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

1.1. Product identifier

| | |
|---------------------|-------------------------------|
| Substance / mixture | Klej poliuretanowy mixture |
| UFI | Q600-Y018-D00X-4CNG |
| Other mixture names | |
| FENIKS | |
| GERMETIK | |
| MASTER | |
| SPECJALIST | |
| STELS | |
| SUPER CEMENT | |
| TIP TOP | |

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

Mixture's intended use

For bonding natural and synthetic leather, PVC, polyurethane, rubber, plastics, metals, porcelain, wood, etc.

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 | Interglobus Sp. z o.o. |
| Address | ul. Góry Warszawskie 57, Duchnów, 05-462 Poland |
| Phone | +48 507 009 203 |
| E-mail | interglobusbiuro@gmail.com |

Competent person responsible for the safety data sheet

| | |
|--------|----------------------------|
| Name | Interglobus Sp. z o.o. |
| E-mail | interglobusbiuro@gmail.com |

1.4. Emergency telephone number

+48 507 009 203 (8-16)
European emergency number: 112

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. 2, H225
Skin Irrit. 2, H315
Eye Irrit. 2, H319
STOT SE 3, H336, H335
STOT RE 2, H373

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

Most serious adverse physico-chemical effects

Highly flammable liquid and vapour.

Most serious adverse effects on human health and the environment

Causes serious eye irritation. May cause drowsiness or dizziness. Causes skin irritation. May cause damage to organs through prolonged or repeated exposure. May cause respiratory irritation.

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2.2. Label elements

Hazard pictogram



Signal word

Danger

Hazardous substances

acetone
xylene

Hazard statements

H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

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.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501 Dispose of contents/container to according to applicable regulations.

Supplemental information

EUH066 Repeated exposure may cause skin dryness or cracking.

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 |
|--|----------------|---------------------|---|------|
| Index: 606-001-00-8 CAS: 67-64-1 EC: 200-662-2 | acetone | 50 | Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066 | 2 |
| Index: 601-022-00-9 CAS: 1330-20-7 EC: 215-535-7 | xylene | <40 | 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 |

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| Identification numbers | Substance name | Content in % weight | Classification according to Regulation (EC) No 1272/2008 | Note |
| Index: 607-144-00-9 CAS: 124-04-9 EC: 204-673-3 | adipic acid | <1 | Eye Irrit. 2, H319 | |
| CAS: 112945-52-5 | amorphous silica | 0,5 | not classified as dangerous | |

Notes

- Note C: Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.
- Substance with a Union workplace exposure limit.

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. 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

Cough, headache. May cause respiratory irritation. May cause drowsiness or dizziness.

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.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Provide sufficient ventilation. Highly flammable liquid and vapour. Remove all ignition sources. Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Do not inhale mist/vapours/spray. 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.

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. Do not inhale mist/vapours/spray. Prevent contact with skin and eyes. No smoking. Wash hands and exposed parts of the body thoroughly after handling. Use only outdoors or in a well-ventilated area. 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. Store locked up. 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.

European Union

Commission Directive 2000/39/EC

| Substance name (component) | Type | Value | Note |
|----------------------------|----------------|------------------------|------|
| acetone (CAS: 67-64-1) | OEL 8 hours | 1210 mg/m ³ | |
| | OEL 8 hours | 500 ppm | |
| xylene (CAS: 1330-20-7) | OEL 8 hours | 221 mg/m ³ | Skin |
| | OEL 8 hours | 50 ppm | |
| | OEL 15 minutes | 442 mg/m ³ | |
| | OEL 15 minutes | 100 ppm | |

DNEL

acetone

| Workers / consumers | Route of exposure | Value | Effect | Determining method |
|---------------------|-------------------|------------------------|--------------------------|--------------------|
| Workers | Dermal | 186 mg/kg | Systemic chronic effects | |
| Workers | Inhalation | 1210 mg/m ³ | Systemic chronic effects | |
| Consumers | Inhalation | 200 mg/m ³ | Systemic chronic effects | |
| Consumers | Dermal | 62 mg/kg | Systemic chronic effects | |
| Consumers | Oral | 62 mg/kg | Systemic chronic effects | |
| Workers | Inhalation | 2420 mg/m ³ | Local acute effects | |

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xylene

| Workers / consumers | Route of exposure | Value | Effect | Determining method |
|---------------------|-------------------|------------------------|--------------------------|--------------------|
| Workers | Inhalation | 442 mg/m ³ | Systemic acute effects | |
| Workers | Inhalation | 442 mg/m ³ | Local acute effects | |
| Workers | Inhalation | 221 mg/m ³ | Systemic chronic effects | |
| Workers | Inhalation | 221 mg/m ³ | Local chronic effects | |
| Workers | Dermal | 212 mg/kg | Systemic chronic effects | |
| Consumers | Inhalation | 260 mg/m ³ | Systemic acute effects | |
| Consumers | Inhalation | 260 mg/m ³ | Local acute effects | |
| Workers | Inhalation | 65.3 mg/m ³ | Systemic chronic effects | |
| Workers | Inhalation | 65.3 mg/m ³ | Local chronic effects | |
| Consumers | Dermal | 125 mg/kg | Systemic chronic effects | |
| Consumers | Oral | 12.5 mg/kg | Systemic chronic effects | |

PNEC

acetone

| Route of exposure | Value | Determining method |
|---|------------|--------------------|
| Microorganisms in wastewater treatment plants | 100 mg/l | |
| Drinking water | 10.6 mg/l | |
| Seawater | 1.06 mg/l | |
| Water (intermittent release) | 21 mg/l | |
| Soil (agricultural) | 29.5 mg/kg | |
| Freshwater sediment | 30.4 mg/kg | |
| Sea sediments | 3.04 mg/kg | |

xylene

| Route of exposure | Value | Determining method |
|------------------------------|-------------|--------------------|
| Drinking water | 0.327 mg/l | |
| Seawater | 0.327 mg/l | |
| Water (intermittent release) | 0.327 mg/l | |
| Soil (agricultural) | 2.31 mg/kg | |
| Freshwater sediment | 12.46 mg/kg | |
| Sea sediments | 12.46 mg/kg | |

8.2. Exposure controls

Follow the usual measures intended for health protection at work and especially for good ventilation. This can be achieved only by local suction or efficient general ventilation. If exposure limits cannot be observed in this mode, suitable protection of airways must be used. 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

Data not available.

Environmental exposure controls

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

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--|-----------------------------------|
| Physical state | liquid |
| Colour | data not available |
| Odour | after solvents |
| Melting point/freezing point | data not available |
| Boiling point or initial boiling point and boiling range | >35 °C |
| Flammability | data not available |
| Lower and upper explosion limit | data not available |
| Flash point | <21 °C |
| Auto-ignition temperature | 420 °C |
| Decomposition temperature | data not available |
| pH | data not available |
| Kinematic viscosity | >20,5 mm ² /s at 40 °C |
| Solubility in water | insoluble |
| Partition coefficient n-octanol/water (log value) | data not available |
| Vapour pressure | data not available |
| Density and/or relative density | |
| Density | 0,9 g/cm ³ |
| Form | liquid: viscous |

9.2. Other information

not available

SECTION 10: Stability and reactivity

10.1. Reactivity

not available

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. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

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.

acetone

| Route of exposure | Parameter | Value | Time of exposure | Species | Sex |
|-------------------|------------------|------------|------------------|---------|-----|
| Oral | LD ₅₀ | 5800 mg/kg | | Rat | |
| Dermal | LD ₅₀ | 7624 mg/kg | | Rabbit | |
| Inhalation | LC ₅₀ | 76 mg/l | 4 hour | Rat | |

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xylene

| Route of exposure | Parameter | Value | Time of exposure | Species | Sex |
|-------------------|------------------|------------|------------------|---------|-----|
| Oral | LD ₅₀ | 2100 mg/kg | | Rat | |
| Dermal | LD ₅₀ | 1100 mg/kg | | Rat | |
| Inhalation | LC ₅₀ | 11 mg/l | 4 hour | | |

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye irritation.

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

May cause drowsiness or dizziness. May cause respiratory irritation.

Toxicity for specific target organ - repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard

Based on available data the classification criteria are not met.

11.2. Information on other hazards

not available

SECTION 12: Ecological information

12.1. Toxicity

Acute toxicity

Data for the mixture are not available.

acetone

| Parameter | Value | Time of exposure | Species | Environment |
|------------------|-----------|------------------|-------------------------------|-------------|
| EC ₅₀ | 23.5 mg/l | 48 hour | Daphnia (Daphnia magna) | |
| LC ₅₀ | 5540 mg/l | 96 hour | Fishes (Oncorhynchus mykiss) | |
| EC ₅₀ | 3400 mg/l | 72 hour | Algae (Chlorella pyrenoidosa) | |

xylene

| Parameter | Value | Time of exposure | Species | Environment |
|------------------|-----------|------------------|------------------------------|-------------|
| LC ₅₀ | 13.5 mg/l | 96 hour | Fishes (Oncorhynchus mykiss) | |
| EC ₅₀ | 3.4 mg/l | 48 hour | Daphnia (Ceriodaphnia dubia) | |

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xylene

| Parameter | Value | Time of exposure | Species | Environment |
|------------------|---------|------------------|---|-------------|
| EC ₅₀ | 10 mg/l | 72 hour | Algae and other aquatic plants (Skeletonema costatum) | |

12.2. Persistence and degradability

Biodegradability

acetone

| Parameter | Value | Time of exposure | Environment | Result |
|-----------|-------|------------------|-------------|--------|
| | 96 % | 28 day | | |

xylene

| Parameter | Value | Time of exposure | Environment | Result |
|-----------|-------|------------------|-------------|--------|
| | 88 % | 28 day | | |

not available

12.3. Bioaccumulative potential

acetone

| Parameter | Value | Time of exposure | Species | Environment | Surrounding temperature [°C] |
|-----------|-------|------------------|---------|-------------|------------------------------|
| BCF | 1 | | | | |
| Log Pow | -0.24 | | | | |

xylene

| Parameter | Value | Time of exposure | Species | Environment | Surrounding temperature [°C] |
|-----------|-------|------------------|---------|-------------|------------------------------|
| BCF | 9 | | | | |
| Log Pow | 2.77 | | | | |

Data not available.

12.4. Mobility in soil

acetone

| Parameter | Value | Environment | Surrounding temperature |
|-----------|-------|-------------|-------------------------|
| Koc | 1 | | |

xylene

| Parameter | Value | Environment | Surrounding temperature |
|-----------|-------|-------------|-------------------------|
| Koc | 202 | | |

Data not available.

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

Data not available.

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

Waste management legislation

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.

Waste type code

08 04 09 waste adhesives and sealants containing organic solvents or other hazardous substances *

Packaging waste type code

15 01 01 paper and cardboard packaging

15 01 04 metallic packaging

(*) - Hazardous waste according to Directive 2008/98/EC on hazardous waste

SECTION 14: Transport information

14.1. UN number or ID number

UN 1133

14.2. UN proper shipping name

ADHESIVES

14.3. Transport hazard class(es)

3 Flammable liquids

14.4. Packing group

II - substances presenting medium danger

14.5. Environmental hazards

not relevant

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

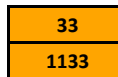
Additional information

Hazard identification No.

UN number

Classification code

Safety signs



F1

3



SECTION 15: Regulatory information

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

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 of 16th December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006, as amended. Product contains reportable explosives precursors: Reporting of suspicious transactions, disappearances and thefts according to Regulation (EU) 2019/1148, Article 9.

15.2. Chemical safety assessment

not available

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SECTION 16: Other information

A list of standard risk phrases used in the safety data sheet

| | |
|-----------|--|
| H225 | Highly flammable liquid and vapour. |
| 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. |
| H336 | May cause drowsiness or dizziness. |
| 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. |
| P501 | Dispose of contents/container to according to applicable regulations. |
| P264 | Wash hands and exposed parts of the body thoroughly after handling. |
| P304+P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |

A list of additional standard phrases used in the safety data sheet

| | |
|--------|---|
| EUH066 | Repeated exposure may cause skin dryness or cracking. |
|--------|---|

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 |
| BCF | Bioconcentration Factor |
| CAS | Chemical Abstracts Service |
| CE ₅₀ | Concentration of a substance when it is affected 50% of the population |
| CLP | Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures |
| DNEL | Derived no-effect level |
| EINECS | European Inventory of Existing Commercial Chemical Substances |
| EmS | Emergency plan |
| EuPCS | European Product Categorisation System |
| IATA | International Air Transport Association |
| IBC | International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals |
| ICAO | International Civil Aviation Organization |
| IMDG | International Maritime Dangerous Goods |
| 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 |
| LZO | Volatile organic compounds |
| MARPOL | International Convention for the Prevention of Pollution from Ships |
| OEL | Occupational Exposure Limits |
| PBT | Persistent, Bioaccumulative and Toxic |
| PNEC | Predicted no-effect concentration |
| ppm | Parts per million |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals |
| RID | Agreement on the transport of dangerous goods by rail |
| UE | European Union |
| 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 |

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vPvB Very Persistent and very Bioaccumulative
WE Identification code for each substance listed in EINECS

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

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)

The version 3.0 replaces the SDS version from 09 January 2021. General update.

More information

Classification procedure - calculation method.

Statement

The information in this SDS is based on the present state of our knowledge and current law basis. The product is not to be used for purposes other than those specified under Section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. The information in this SDS is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties.

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