

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

1.1. Product identifier

| | | |
|-----------------|---|----------------------------------|
| Product form | : | Mixture |
| Trade name | : | MIHI Laundry Stain remover spray |
| UFI | : | RJ15-QP38-3S4X-Q05A |
| Type of product | : | Detergent |
| Product group | : | End product |

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

Relevant identified uses

| | | |
|------------------------------|---|---------------------------------------|
| Intended for general public | : | |
| Main use category | : | Consumer use |
| Use of the substance/mixture | : | Cleaning/washing agents and additives |
| Function or use category | : | Cleaning/washing agents and additives |

1.3. Details of the supplier of the safety data sheet

MIHI Sp. z o.o.
Elektronowa 2E
03-219 Warsaw, Poland
T +48789858808
info@mihi.care, www.mihi.care

1.4. Emergency telephone number

| | | |
|------------------|---|---|
| Emergency number | : | Poison centers, Europe: https://echa.europa.eu/documents/10162/2322249/emergency_phone_numbers_en.pdf ; +48 012 411 99 99; 112 (Poland) |
|------------------|---|---|

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

| | |
|---|------|
| Skin corrosion/irritation, Category 1 | H314 |
| Serious eye damage/eye irritation, Category 1 | H318 |
| Skin sensitisation, Category 1 | H317 |

Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

Causes severe skin burns and eye damage. May cause an allergic skin reaction. Causes serious eye damage.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



GHS05

GHS07

Signal word (CLP)

: Danger

Contains

: Alcohols, C9-11, ethoxylated; 2-Aminoethanol; 1,2-benzisothiazol-3(2H)-one; 2-methylisothiazol-3(2H)-one

Hazard statements (CLP)

: H314 - Causes severe skin burns and eye damage.
H317 - May cause an allergic skin reaction.

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| | | |
|--------------------------------|---|---|
| Precautionary statements (CLP) | : | P101 - If medical advice is needed, have product container or label at hand. P102 - Keep out of reach of children. P260 - Do not breathe spray. P280 - Wear protective gloves. P301+P330+P331+P310 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER. P303+P361+P353+P310 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a doctor. P305+P351+P338+P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor. P405 - Store locked up. P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. |
| Child-resistant fastening | : | Applicable |
| Tactile warning | : | Applicable |

2.3. Other hazards

Contains no PBT and/or vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--|--|---------|---|
| Tetra Potassium Pyrophosphate | CAS-No.: 7320-34-5 | 1 – 5 | Eye Irrit. 2, H319 |
| Alcohols, C9-11,ethoxylated | CAS-No.: 68439-46-3 | 1 – 5 | Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Eye Dam. 1, H318 |
| 2-Aminoethanol | CAS-No.: 141-43-5 | 1 – 5 | Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Acute Tox. 4 (Dermal), H312 (ATE=1100 mg/kg bodyweight) Acute Tox. 4 (Inhalation:dust,mist), H332 (ATE=1.5 mg/l/4h) Skin Corr. 1B, H314 |
| 2-butoxyethanol; ethylene glycol monobutyl ether substance with a Community workplace exposure limit | CAS-No.: 111-76-2 EC-No.: 203-905-0 EC Index-No.: 603-014-00-0 | 0.1 – 1 | Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Acute Tox. 3 (Inhalation:vapour), H331 (ATE=3 mg/l/4h) Skin Irrit. 2, H315 Eye Irrit. 2, H319 |
| Alkyl dimethyl hydroxyethyl ammonium chloride | CAS-No.: 85736-63-6 EC-No.: 288-474-7 | 0.1 – 1 | Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Skin Corr. 1C, H314 Eye Dam. 1, H318 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 2, H411 |

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| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|------------------------------|---|-------|---|
| 1,2-benzisothiazol-3(2H)-one | CAS-No.: 2634-33-5 EC-No.: 220-120-9 EC Index-No.: 613-088-00-6 | < 0.1 | Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Acute Tox. 2 (Inhalation:dust,mist), H330 (ATE=0.05 mg/l/4h) Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |
| 2-methylisothiazol-3(2H)-one | CAS-No.: 2682-20-4 EC-No.: 220-239-6 EC Index-No.: 613-326-00-9 | < 0.1 | Acute Tox. 3 (Oral), H301 (ATE=100 mg/kg bodyweight) Acute Tox. 3 (Dermal), H311 (ATE=300 mg/kg bodyweight) Acute Tox. 2 (Inhalation:dust,mist), H330 (ATE=0.05 mg/l/4h) Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 EUH071 |

Specific concentration limits:

| Name | Product identifier | Specific concentration limits (%) |
|------------------------------|---|--|
| 1,2-benzisothiazol-3(2H)-one | CAS-No.: 2634-33-5 EC-No.: 220-120-9 EC Index-No.: 613-088-00-6 | (0.036 ≤ C < 100) Skin Sens. 1A; H317 |
| 2-methylisothiazol-3(2H)-one | CAS-No.: 2682-20-4 EC-No.: 220-239-6 EC Index-No.: 613-326-00-9 | (0.0015 ≤ C ≤ 100) Skin Sens. 1A; H317 |

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Call a physician immediately.
- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a physician immediately.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
- First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. Call a physician immediately.
- First-aid measures for first aider : First aid workers will be equipped with suitable personal protective equipment.

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

- Symptoms/effects after inhalation : None under normal conditions.
- Symptoms/effects after skin contact : Burns. May cause an allergic skin reaction.
- Symptoms/effects after eye contact : Serious damage to eyes.
- Symptoms/effects after ingestion : Burns.

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

Treat symptomatically.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : No fire hazard.
- Explosion hazard : No direct explosion hazard.
- Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

- Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.

For non-emergency personnel

- Protective equipment : Wear recommended personal protective equipment.
- Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray.

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".
- Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

- For containment : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.
- Methods for cleaning up : Take up liquid spill into absorbent material.
- Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.
- Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray. Wear personal protective equipment.

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Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product.
Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep in a cool, well-ventilated place away from heat.
Storage conditions : Store locked up.
Packaging materials : Always store product in container of same material as original container.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

National occupational exposure and biological limit values

| 2-butoxyethanol; ethylene glycol monobutyl ether (111-76-2) | |
|---|---------------------------------|
| EU - Indicative Occupational Exposure Limit (IOEL) | |
| Local name | 2-Butoxyethanol |
| IOEL TWA | 98 mg/m ³ |
| | 20 ppm |
| IOEL STEL | 246 mg/m ³ |
| | 50 ppm |
| Remark | Skin |
| Regulatory reference | COMMISSION DIRECTIVE 2000/39/EC |

8.2. Exposure controls

Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Personal protection equipment

Personal protective equipment:

Wear recommended personal protective equipment.

Personal protective equipment symbol(s):



Eye and face protection

Eye protection:

Safety glasses

Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Protective gloves

Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

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Environmental exposure controls

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 |
| Colour | : | Colourless. |
| Appearance | : | Clear, colorless liquid. |
| Odour | : | lemon-like. |
| Odour threshold | : | Not available |
| Melting point | : | Not applicable |
| Freezing point | : | Not available |
| Boiling point | : | Not available |
| Flammability | : | Non flammable. |
| Lower explosion limit | : | Not available |
| Upper explosion limit | : | Not available |
| Flash point | : | Not available |
| Auto-ignition temperature | : | Not available |
| Decomposition temperature | : | Not available |
| pH | : | ≥ 11.6 – < 12.6 |
| pH solution concentration | : | ≈ 100 % |
| Viscosity, kinematic | : | Not available |
| Solubility | : | Not available |
| Partition coefficient n-octanol/water (Log Kow) | : | Not available |
| Vapour pressure | : | Not available |
| Vapour pressure at 50°C | : | Not available |
| Density | : | Not available |
| Relative density | : | Not available |
| Relative vapour density at 20°C | : | Not available |
| Particle characteristics | : | Not applicable |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

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

| | | |
|-----------------------------|---|----------------|
| Acute toxicity (oral) | : | Not classified |
| Acute toxicity (dermal) | : | Not classified |
| Acute toxicity (inhalation) | : | Not classified |

2-butoxyethanol; ethylene glycol monobutyl ether (111-76-2)

| | |
|-----------|--|
| LD50 oral | 1414 mg/kg bodyweight Animal: guinea pig, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 1020 - 1961 |
|-----------|--|

1,2-benzisothiazol-3(2H)-one (2634-33-5)

| | |
|-----------------|--|
| LD50 dermal rat | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |
|-----------------|--|

| | | |
|---------------------------|---|---|
| Skin corrosion/irritation | : | Causes severe skin burns. pH: $\geq 11.6 - < 12.6$ |
|---------------------------|---|---|

2-methylisothiazol-3(2H)-one (2682-20-4)

| | |
|----|---|
| pH | 2.58 Temp.: 25 °C Concentration: 50 g/L |
|----|---|

| | | |
|-------------------------------|---|--|
| Serious eye damage/irritation | : | Causes serious eye damage. pH: $\geq 11.6 - < 12.6$ |
|-------------------------------|---|--|

2-methylisothiazol-3(2H)-one (2682-20-4)

| | |
|----|---|
| pH | 2.58 Temp.: 25 °C Concentration: 50 g/L |
|----|---|

| | | |
|-----------------------------------|---|--------------------------------------|
| Respiratory or skin sensitisation | : | May cause an allergic skin reaction. |
| Germ cell mutagenicity | : | Not classified |
| Carcinogenicity | : | Not classified |
| Reproductive toxicity | : | Not classified |

1,2-benzisothiazol-3(2H)-one (2634-33-5)

| | |
|-----------------------------|--|
| NOAEL (animal/female, F0/P) | 112 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EPA OPPTS 870.3800 (Reproduction and Fertility Effects) |
|-----------------------------|--|

| | |
|---------------------------|---|
| NOAEL (animal/female, F1) | 56.6 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EPA OPPTS 870.3800 (Reproduction and Fertility Effects) |
|---------------------------|---|

| | | |
|------------------------|---|----------------|
| STOT-single exposure | : | Not classified |
| STOT-repeated exposure | : | Not classified |

Alkyl dimethyl hydroxylethyl ammonium chloride (85736-63-6)

| | |
|------------------------|--|
| STOT-repeated exposure | May cause damage to organs through prolonged or repeated exposure. |
|------------------------|--|

2-butoxyethanol; ethylene glycol monobutyl ether (111-76-2)

| | |
|-------------------------------------|---|
| NOAEL (dermal, rat/rabbit, 90 days) | > 150 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study) |
|-------------------------------------|---|

2-methylisothiazol-3(2H)-one (2682-20-4)

| | |
|----------------------------|---|
| LOAEL (oral, rat, 90 days) | 71.2 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents), Guideline: other: |
|----------------------------|---|

| | | |
|-------------------|---|----------------|
| Aspiration hazard | : | Not classified |
|-------------------|---|----------------|

Tetra Potassium Pyrophosphate (7320-34-5)

| | |
|----------------------|----------------|
| Viscosity, kinematic | Not applicable |
|----------------------|----------------|

1,2-benzisothiazol-3(2H)-one (2634-33-5)

| | |
|----------------------|----------------|
| Viscosity, kinematic | Not applicable |
|----------------------|----------------|

2-methylisothiazol-3(2H)-one (2682-20-4)

| | |
|----------------------|----------------|
| Viscosity, kinematic | Not applicable |
|----------------------|----------------|

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11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

| | | |
|---|---|---|
| Ecology - general | : | Before neutralisation, the product may represent a danger to aquatic organisms. |
| Hazardous to the aquatic environment, short-term (acute) | : | Not classified |
| Hazardous to the aquatic environment, long-term (chronic) | : | Not classified |

2-butoxyethanol; ethylene glycol monobutyl ether (111-76-2)

| | |
|----------------------|--|
| LC50 - Fish [1] | 1474 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) |
| EC50 - Crustacea [1] | ≈ 1800 mg/l Test organisms (species): Daphnia magna |
| NOEC (chronic) | 100 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| NOEC chronic fish | ≥ 100 mg/l Test organisms (species): Oryzias latipes Duration: '14 d' |

1,2-benzisothiazol-3(2H)-one (2634-33-5)

| | |
|----------------------|--|
| LC50 - Fish [1] | ≈ 16.7 mg/l Test organisms (species): Cyprinodon variegatus |
| LC50 - Fish [2] | 2.15 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) |
| EC50 - Crustacea [1] | 2.94 mg/l Test organisms (species): Daphnia magna |
| EC50 - Crustacea [2] | 2.9 mg/l Test organisms (species): Daphnia magna |

2-methylisothiazol-3(2H)-one (2682-20-4)

| | |
|----------------------|--|
| LC50 - Fish [1] | 4.77 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) |
| EC50 - Crustacea [1] | 1.6 mg/l Test organisms (species): Daphnia magna |

12.2. Persistence and degradability

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| | |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

Tetra Potassium Pyrophosphate (7320-34-5)

| | |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

Alcohols, C9-11,ethoxylated (68439-46-3)

| | |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

2-Aminoethanol (141-43-5)

| | |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

Alkyl dimethyl hydroxylethyl ammonium chloride (85736-63-6)

| | |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

2-butoxyethanol; ethylene glycol monobutyl ether (111-76-2)

| | |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

1,2-benzisothiazol-3(2H)-one (2634-33-5)

| | |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

2-methylisothiazol-3(2H)-one (2682-20-4)

| | |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

12.3. Bioaccumulative potential

No additional information available

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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | | |
|--|---|---|
| Regional waste regulation | : | Disposal must be done according to official regulations. |
| Waste treatment methods | : | Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| Sewage disposal recommendations | : | Disposal must be done according to official regulations. |
| Product/Packaging disposal recommendations | : | Disposal must be done according to official regulations. |
| Additional information | : | Do not re-use empty containers. |
| HP Code | : | 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 / IMDG / IATA / ADN / RID

| ADR | IMDG | IATA | ADN | RID |
|---|--|--------------------------------|---|---|
| 14.1. UN number or ID number | | | | |
| UN 1760 | UN 1760 | Not regulated | UN 1760 | UN 1760 |
| 14.2. UN proper shipping name | | | | |
| CORROSIVE LIQUID, N.O.S. | CORROSIVE LIQUID, N.O.S. | Not regulated | CORROSIVE LIQUID, N.O.S. | CORROSIVE LIQUID, N.O.S. |
| Transport document description | | | | |
| UN 1760 CORROSIVE LIQUID, N.O.S., 8, III, (E) | UN 1760 CORROSIVE LIQUID, N.O.S., 8, I | Not regulated | UN 1760 CORROSIVE LIQUID, N.O.S., 8, I | UN 1760 CORROSIVE LIQUID, N.O.S., 8, I |
| 14.3. Transport hazard class(es) | | | | |
| 8 | 8 | Not regulated Not regulated | 8 | 8 |
|  |  | |  |  |
| 14.4. Packing group | | | | |
| III | I | Not regulated | I | I |
| 14.5. Environmental hazards | | | | |
| Dangerous for the environment: No | Dangerous for the environment: No Marine pollutant: No EmS-No. (Fire): F-A EmS-No. (Spillage): S-B | Not regulated | Dangerous for the environment: No | Dangerous for the environment: No |
| No supplementary information available | | | | |

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14.6. Special precautions for user

Overland transport

| | | |
|---|---|-------------------------|
| Classification code (ADR) | : | C9 |
| Special provisions (ADR) | : | 274 |
| Limited quantities (ADR) | : | 5I |
| Excepted quantities (ADR) | : | E1 |
| Packing instructions (ADR) | : | P001, IBC03, LP01, R001 |
| Mixed packing provisions (ADR) | : | MP19 |
| Portable tank and bulk container instructions (ADR) | : | T7 |
| Portable tank and bulk container special provisions (ADR) | : | TP1, TP28 |
| Tank code (ADR) | : | L4BN |
| Vehicle for tank carriage | : | AT |
| Transport category (ADR) | : | 3 |
| Special provisions for carriage - Packages (ADR) | : | V12 |
| Hazard identification number (Kemler No.) | : | 80 |
| Orange plates | : | |



Tunnel restriction code (ADR) : E

Transport by sea

| | | |
|------------------------------------|---|--|
| Special provisions (IMDG) | : | 274 |
| Limited quantities (IMDG) | : | 0 |
| Excepted quantities (IMDG) | : | E0 |
| Packing instructions (IMDG) | : | P001 |
| Tank instructions (IMDG) | : | T14 |
| Tank special provisions (IMDG) | : | TP2, TP27 |
| Stowage category (IMDG) | : | B |
| Stowage and handling (IMDG) | : | SW2 |
| Properties and observations (IMDG) | : | Causes burns to skin, eyes and mucous membranes. |

Air transport

Not regulated

Inland waterway transport

| | | |
|-----------------------------------|---|--------|
| Classification code (ADN) | : | C9 |
| Special provisions (ADN) | : | 274 |
| Limited quantities (ADN) | : | 0 |
| Excepted quantities (ADN) | : | E0 |
| Carriage permitted (ADN) | : | T |
| Equipment required (ADN) | : | PP, EP |
| Number of blue cones/lights (ADN) | : | 0 |

Rail transport

| | | |
|---|---|-----------|
| Classification code (RID) | : | C9 |
| Special provisions (RID) | : | 274 |
| Limited quantities (RID) | : | 0 |
| Excepted quantities (RID) | : | E0 |
| Packing instructions (RID) | : | P001 |
| Mixed packing provisions (RID) | : | MP8, MP17 |
| Portable tank and bulk container instructions (RID) | : | T14 |
| Portable tank and bulk container special provisions (RID) | : | TP2, TP27 |
| Tank codes for RID tanks (RID) | : | L10BH |

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Special provisions for RID tanks (RID) : TU38, TE22
Transport category (RID) : 1
Hazard identification number (RID) : 88

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

EU-Regulations

REACH Annex XVII (Restriction List)

| EU restriction list (REACH Annex XVII) | | |
|--|--|---|
| Reference code | Applicable on | Entry title or description |
| 3(b) | MIHI Laundry Stain remover spray ; Alcohols, C9-11,ethoxylated ; 2-Aminoethanol ; Alkyl dimethyl hydroxylethyl ammonium chloride ; 2-butoxyethanol; ethylene glycol monobutyl ether | 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 |
| 3(c) | Alkyl dimethyl hydroxylethyl ammonium chloride | 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 class 4.1 |

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

Detergent Regulation (EC 648/2004)

Contains no ingredient(s) required to be listed according to the Detergent Regulation (648/2004).

Explosives Precursors Regulation (EU 2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (EC 273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

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according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

SECTION 16: Other information

| Abbreviations and acronyms: | |
|-----------------------------|---|
| ACGIH | American Conference of Governmental Industrial Hygienists |
| 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 |
| BLV | Biological limit value |
| BOD | Biochemical oxygen demand (BOD) |
| CAS-No. | Chemical Abstracts Service number |
| CLP | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008 |
| COD | Chemical oxygen demand (COD) |
| CSA | Chemical safety assessment |
| DMEL | Derived Minimal Effect level |
| DNEL | Derived-No Effect Level |
| EC-No. | European Community number |
| EC50 | Median effective concentration |
| ED | Endocrine disruptor |
| EN | European Standard |
| EWC | European waste catalogue |
| IARC | International Agency for Research on Cancer |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods |
| LC50 | Median lethal concentration |
| LD50 | Median lethal dose |
| LOAEL | Lowest Observed Adverse Effect Level |
| Log Kow | Partition coefficient n-octanol/water (Log Kow) |
| Log Pow | Partition coefficient n-octanol/water (Log Pow) |
| MAK | maximum workplace concentration |
| NOAEC | No-Observed Adverse Effect Concentration |
| NOAEL | No-Observed Adverse Effect Level |
| NOEC | No-Observed Effect Concentration |
| N.O.S. | Not Otherwise Specified |
| OECD | Organisation for Economic Co-operation and Development |
| OEL | Occupational Exposure Limit |
| OSHA | Occupational Safety Health Administration |
| PBT | Persistent Bioaccumulative Toxic |
| PNEC | Predicted No-Effect Concentration |
| PPE | Personal protection equipment |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS | Safety Data Sheet |
| STP | Sewage treatment plant |
| TF | Technical function |
| ThOD | Theoretical oxygen demand (ThOD) |
| TLM | Median Tolerance Limit |
| TWA | Time Weighted Average |
| VOC | Volatile Organic Compounds |
| vPvB | Very Persistent and Very Bioaccumulative |
| UFI | Unique Formula Identifier |

| Full text of H- and EUH-statements: | |
|--|--|
| Acute Tox. 2 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 2 |
| Acute Tox. 3 (Dermal) | Acute toxicity (dermal), Category 3 |
| Acute Tox. 3 (Inhalation:vapour) | Acute toxicity (inhalation:vapour) Category 3 |

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| Full text of H- and EUH-statements: | |
|--|--|
| Acute Tox. 3 (Oral) | Acute toxicity (oral), Category 3 |
| Acute Tox. 4 (Dermal) | Acute toxicity (dermal), Category 4 |
| Acute Tox. 4 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 4 |
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 |
| Aquatic Acute 1 | Hazardous to the aquatic environment – Acute Hazard, Category 1 |
| Aquatic Chronic 1 | Hazardous to the aquatic environment – Chronic Hazard, Category 1 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment – Chronic Hazard, Category 2 |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Skin Corr. 1B | Skin corrosion/irritation, Category 1, Sub-Category 1B |
| Skin Corr. 1C | Skin corrosion/irritation, Category 1, Sub-Category 1C |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| Skin Sens. 1A | Skin sensitisation, category 1A |
| STOT RE 2 | Specific target organ toxicity – Repeated exposure, Category 2 |
| H301 | Toxic if swallowed. |
| H302 | Harmful if swallowed. |
| H311 | Toxic in contact with skin. |
| H312 | Harmful in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H330 | Fatal if inhaled. |
| H331 | Toxic if inhaled. |
| H332 | Harmful if inhaled. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects. |
| EUH071 | Corrosive to the respiratory tract. |

The classification complies with : ATP 12

Safety Data Sheet (SDS), EU

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.