# IDactiv Instrument Disinfectant

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 11/29/2024 Revision date: 4/9/2025 Supersedes version of: 2/18/2025 Version: 4.0

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

### 1.1. Product identifier

| | | |
|---|---|---|
| Product form | : | Mixture |
| Trade name | : | IDactiv Instrument Disinfectant |
| Other means of identification | : | UFI: 3X00-W0GP-900K-VWW7 |

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

#### Relevant identified uses

| | | |
|---|---|---|
| Main use category | : | Professional use |
| Industrial/Professional use spec | : | For professional use only |
| Use of the substance/mixture | : | Biocide |
| Function or use category | : | Biocidal product |

### 1.3. Details of the supplier of the safety data sheet

**Manufacturer**
Topdental (Products) Ltd
Unit 1
Holmfield Industrial Estate
HX2 9TN Halifax, W. Yorks
United Kingdom
T +44 (0) 1535 652750
sales@topdental.co.uk, www.topdental.co.uk

### 1.4. Emergency telephone number

| | | |
|---|---|---|
| Emergency number | : | +44 (0) 1535 652750 |

## 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 2 | H315 |
| Serious eye damage/eye irritation, Category 1 | H318 |
| Hazardous to the aquatic environment – Acute Hazard, Category 1 | H400 |
| Hazardous to the aquatic environment – Chronic Hazard, Category 1 | H410 |

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

#### Adverse physicochemical, human health and environmental effects

No additional information available

### 2.2. Label elements

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

Hazard pictograms (CLP) :

GHS05 GHS09

| | | |
|---|---|---|
| Signal word (CLP) | : | Danger |
| Contains | : | Reaction mass of: N, N-didecyl-N-(2-hydroxyethyl)-N-methylammonium propionate and N, N-didecyl-N-(2-(2-hydroxyethoxy)ethyl)-N-methyl)ammonium propionate and N-N-didecyl-N-(2-(2-(2-hydroxyethoxy)ethoxy)ethyl)-N-methyl ammonium propionate; Alcohols, C9-11, EO8; N-(3-AMINOPROPYL)-N-DODECYLPROPANE-1,3-DIAMINE |

| | | |
|---|---|---|
| Hazard statements (CLP) | : | H315 - Causes skin irritation.<br>H318 - Causes serious eye damage.<br>H410 - Very toxic to aquatic life with long lasting effects. |
| Precautionary statements (CLP) | : | P280 - Wear protective clothing, eye protection, face protection.<br>P302+P352 - IF ON SKIN: Wash with plenty of water.<br>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.<br>P332+P313 - If skin irritation occurs: Get medical advice/attention.<br>P391 - Collect spillage. |

### 2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 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 %

| Component | |
|---|---|
| Substance(s) not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is 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 | N-(3-AMINOPROPYL)-N-DODECYLPROPANE-1,3-DIAMINE (2372-82-9) |

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|---|---|
| Alcohols, C9-11, EO8 | CAS-No.: 68439-46-3<br>EC-No.: 614-482-0 | ≥ 5 – < 15 | Acute Tox. 4 (Oral), H302 (ATE=300 mg/kg bodyweight)<br>Eye Dam. 1, H318 |
| N-(3-AMINOPROPYL)-N-DODECYLPROPANE-1,3-DIAMINE<br>(Component) | CAS-No.: 2372-82-9<br>EC-No.: 219-145-8 | ≥ 1 – < 5 | Acute Tox. 4 (Oral), H302 (ATE=871 mg/kg bodyweight)<br>Acute Tox. 3 (Dermal), H311 (ATE=300 mg/kg bodyweight)<br>Skin Corr. 1, H314<br>Eye Dam. 1, H318<br>STOT RE 2, H373<br>Aquatic Acute 1, H400 (M=10) |
| Reaction mass of: N, N-didecyl-N-(2-hydroxyethyl)-N-methylammonium propionate and N, N-didecyl-N-(2-(2-hydroxyethoxy)ethyl)-N-methyl)ammonium propionate and N-N-didecyl-N-(2-(2-(2-hydroxyethoxy)ethoxy)ethyl)-N-methyl ammonium propionate | CAS-No.: 94667-33-1<br>EC-No.: 619-057-3 | ≥ 1 – < 5 | STOT RE 1, H372<br>Aquatic Acute 1, H400 (M=10)<br>Aquatic Chronic 1, H410 (M=10) |
| ethanediol; ethylene glycol | CAS-No.: 107-21-1<br>EC-No.: 203-473-3<br>EC Index-No.: 603-027-00-1 | ≥ 1 – < 5 | Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) |

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|---|---|
| 2-aminoethanol; ethanolamine<br>substance with national workplace exposure limit(s) (GB); substance with a Community workplace exposure limit | CAS-No.: 141-43-5<br>EC-No.: 205-483-3<br>EC Index-No.: 603-030-00-8 | ≥ 0.1 – < 1 | Acute Tox. 4 (Oral), H302 (ATE=700 mg/kg bodyweight)<br>Acute Tox. 4 (Dermal), H312 (ATE=1100 mg/kg bodyweight)<br>Acute Tox. 4 (Inhalation:dust,mist), H332 (ATE=1.5 mg/l/4h)<br>Skin Corr. 1B, H314<br>Eye Dam. 1, H318<br>STOT RE 1, H372 |
| LAURAMINOPROPYLAMINE | CAS-No.: 5538-95-4<br>EC-No.: 226-902-6 | ≥ 0.1 – < 1 | Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight)<br>Skin Corr. 1A, H314<br>Eye Dam. 1, H318<br>Aquatic Acute 1, H400 |

| Specific concentration limits: | | |
|---|---|---|
| **Name** | **Product identifier** | **Specific concentration limits (%)** |
| 2-aminoethanol; ethanolamine | CAS-No.: 141-43-5<br>EC-No.: 205-483-3<br>EC Index-No.: 603-030-00-8 | (5 ≤ C ≤ 100) STOT SE 3; H335 |

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 : Avoid contact with skin and eyes. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.

First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if pain, blinking or redness persists.

First-aid measures after ingestion : Rinse mouth out with water. If swallowed, seek medical advice immediately and show this container or label.

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

Symptoms/effects after inhalation : Inhalation may cause irritation (cough, short breathing, difficulty in breathing).

Symptoms/effects after skin contact : May cause irritation to skin.

Symptoms/effects after eye contact : Causes serious eye irritation.

Symptoms/effects after ingestion : Unknown.

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

When in doubt or if symptoms are observed, get medical advice.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing agent suitable for surrounding fire.

### 5.2. Special hazards arising from the substance or mixture

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

### 5.3. Advice for firefighters

| | | |
|---|---|---|
| Protection during firefighting | : | Use self-contained breathing apparatus and chemically protective clothing. |

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

| | | |
|---|---|---|
| General measures | : | Avoid contact with skin and eyes. Clean up any spills as soon as possible, using an absorbent material to collect it. |

**For non-emergency personnel**

| | | |
|---|---|---|
| Protective equipment | : | Wear recommended personal protective equipment. |
| Emergency procedures | : | Do not breathe vapours. Ventilate spillage area. |

**For emergency responders**

| | | |
|---|---|---|
| Protective equipment | : | Use personal protective equipment as required. |
| Emergency procedures | : | Cover spill with non combustible material, e.g.: sand/earth. Stop leak if safe to do so. |

### 6.2. Environmental precautions

Contain the spilled material by bunding. 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 the spilled material by bunding. Collect spillage. |

### 6.4. Reference to other sections

No additional information available

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

| | | |
|---|---|---|
| Precautions for safe handling | : | Avoid contact with skin and eyes. Avoid inhalation of the product. Ensure adequate ventilation. |
| Hygiene measures | : | 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 | : | Store in tightly closed, leak-proof containers. Keep in a cool, well-ventilated place away from heat. |
| Storage conditions | : | Keep container closed when not in use. Keep cool. |
| Incompatible materials | : | Aluminium. Copper alloys. Mild steel. |
| Maximum storage period | : | 3 year |
| Packaging materials | : | Keep only in the original container in a cool,well-ventilated place away from combustible materials. |

### 7.3. Specific end use(s)

Disinfectant.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

**National occupational exposure and biological limit values**

| 2-aminoethanol; ethanolamine (141-43-5) | |
|---|---|
| **United Kingdom - Occupational Exposure Limits** | |
| Local name | 2-Aminoethanol |
| WEL TWA (OEL TWA) | 2.5 mg/m³ |
| | 1 ppm |
| WEL STEL (OEL STEL) | 7.6 mg/m³ |
| | 3 ppm |
| Remark | Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity) |
| Regulatory reference | EH40/2005 (Fourth edition, 2020). HSE |

### 8.2. Exposure controls

No additional information available

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

| | | |
|---|---|---|
| Physical state | : | Liquid |
| Colour | : | Green. |
| Odour | : | characteristic. |
| Odour threshold | : | Not available |
| Melting point | : | Not available |
| Freezing point | : | Not available |
| Boiling point | : | Not available |
| Flammability | : | Not available |
| Explosive properties | : | No data available. |
| Lower explosion limit | : | Not available |
| Upper explosion limit | : | Not available |
| Flash point | : | Not available |
| Auto-ignition temperature | : | Not available |
| Decomposition temperature | : | Not available |
| pH | : | 9 – 10 |
| pH solution concentration | : | 2 % |
| Viscosity, kinematic | : | Not available |
| Solubility | : | Material highly soluble in water. |
| 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 | : | 1 – 1.03 |
| 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

No additional information available

### 10.2. Chemical stability

No additional information available

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

No additional information available

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

No additional information available

## 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

| Alcohols, C9-11, EO8 (68439-46-3) | |
|---|---|
| LD50 oral | 300 – 2000 mg/kg |
| LD50 dermal rat | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |
| LC50 Inhalation - Rat | > 1.6 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity) |

| 2-aminoethanol; ethanolamine (141-43-5) | |
|---|---|
| LD50 oral rat | > 2000 mg/kg |
| LD50 oral | 700 mg/kg |

| N-(3-AMINOPROPYL)-N-DODECYLPROPANE-1,3-DIAMINE (2372-82-9) | |
|---|---|
| LD50 oral rat | 871 mg/kg |
| LD50 dermal rat | > 600 mg/kg bodyweight Animal: rat, Guideline: EU Method B.3 (Acute Toxicity (Dermal)) |

Skin corrosion/irritation : Causes skin irritation.
pH: 9 – 10

| 2-aminoethanol; ethanolamine (141-43-5) | |
|---|---|
| pH | 12.1 Temp.: 20 Concentration: 100 g/L |

| N-(3-AMINOPROPYL)-N-DODECYLPROPANE-1,3-DIAMINE (2372-82-9) | |
|---|---|
| pH | 11.9 20C |

Serious eye damage/irritation : Causes serious eye damage.
pH: 9 – 10

| 2-aminoethanol; ethanolamine (141-43-5) | |
|---|---|
| pH | 12.1 Temp.: 20 Concentration: 100 g/L |

| N-(3-AMINOPROPYL)-N-DODECYLPROPANE-1,3-DIAMINE (2372-82-9) | |
|---|---|
| pH | 11.9 20C |

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

| 2-aminoethanol; ethanolamine (141-43-5) | |
|---|---|
| NOAEL (animal/male, F0/P) | 1000 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 416 (Two-Generation Reproduction Toxicity Study), Guideline: other:, Guideline: EPA OPPTS 870.3800 (Reproduction and Fertility Effects) |
| NOAEL (animal/female, F0/P) | 300 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 416 (Two-Generation Reproduction Toxicity Study), Guideline: other:, Guideline: EPA OPPTS 870.3800 (Reproduction and Fertility Effects) |

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

| Reaction mass of: N, N-didecyl-N-(2-hydroxyethyl)-N-methylammonium propionate and N, N-didecyl-N-(2-(2-hydroxyethoxy)ethyl)-N-methyl)ammonium propionate and N-N-didecyl-N-(2-(2-(2-hydroxyethoxy)ethoxy)ethyl)-N-methyl ammonium propionate (94667-33-1) | |
|---|---|
| NOAEL (oral, rat, 90 days) | 391 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents), Guideline: other: |
| NOAEL (dermal, rat/rabbit, 90 days) | 12 mg/kg bodyweight Animal: rat, Guideline: EPA OPP 82-3 (Subchronic Dermal Toxicity 90 Days), Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study) |
| STOT-repeated exposure | Causes damage to organs through prolonged or repeated exposure. |

| Alcohols, C9-11, EO8 (68439-46-3) | |
|---|---|
| NOAEL (oral, rat, 90 days) | ≥ 500 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents) |

| 2-aminoethanol; ethanolamine (141-43-5) | |
|---|---|
| NOAEL (oral, rat, 90 days) | 300 mg/kg bodyweight Animal: rat, Guideline: other:, Guideline: other:, Guideline: other: |
| NOAEC (inhalation, rat, dust/mist/fume, 90 days) | 0.01 mg/l air Animal: rat, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study), Guideline: EU Method B.8 (Subacute Inhalation Toxicity: 28-Day Study) |
| STOT-repeated exposure | Causes damage to organs through prolonged or repeated exposure. |

| N-(3-AMINOPROPYL)-N-DODECYLPROPANE-1,3-DIAMINE (2372-82-9) | |
|---|---|
| LOAEL (dermal, rat/rabbit, 90 days) | 5 mg/kg bodyweight Animal: rat, Guideline: EPA OPP 82-3 (Subchronic Dermal Toxicity 90 Days) |
| STOT-repeated exposure | May cause damage to organs through prolonged or repeated exposure. |

Aspiration hazard : Not classified

| Alcohols, C9-11, EO8 (68439-46-3) | |
|---|---|
| Viscosity, kinematic | 39 mm²/s 37C |

| 2-aminoethanol; ethanolamine (141-43-5) | |
|---|---|
| Viscosity, kinematic | 23.392 mm²/s |

## 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Hazardous to the aquatic environment, short–term (acute) : Very toxic to aquatic life.

Hazardous to the aquatic environment, long–term (chronic) : Very toxic to aquatic life with long lasting effects.

| Reaction mass of: N, N-didecyl-N-(2-hydroxyethyl)-N-methylammonium propionate and N, N-didecyl-N-(2-(2-hydroxyethoxy)ethyl)-N-methyl)ammonium propionate and N-N-didecyl-N-(2-(2-(2-hydroxyethoxy)ethoxy)ethyl)-N-methyl ammonium propionate (94667-33-1) | |
|---|---|
| LC50 - Fish [1] | 0.52 mg/l Test organisms (species): Lepomis macrochirus |
| EC50 - Crustacea [1] | 0.07 mg/l Test organisms (species): Daphnia magna |

| Alcohols, C9-11, EO8 (68439-46-3) | |
|---|---|
| LC50 - Fish [1] | 5 – 7 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) |
| EC50 - Crustacea [1] | 2.5 mg/l Test organisms (species): Daphnia magna |
| EC50 96h - Algae [1] | 1.4 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) |

| 2-aminoethanol; ethanolamine (141-43-5) | |
|---|---|
| LC50 - Fish [1] | 349 mg/l Test organisms (species): Cyprinus carpio |
| EC50 - Crustacea [1] | 27.04 mg/l Test organisms (species): Daphnia magna |
| EC50 - Other aquatic organisms [1] | 65 mg/l |
| EC50 72h - Algae [1] | 2.8 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) |
| EC50 72h - Algae [2] | 2.1 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) |
| NOEC (chronic) | 0.85 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| NOEC chronic fish | 1.24 mg/l Test organisms (species): Oryzias latipes Duration: '41 d' |

| N-(3-AMINOPROPYL)-N-DODECYLPROPANE-1,3-DIAMINE (2372-82-9) | |
|---|---|
| LC50 - Fish [1] | 0.431 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) |
| EC50 - Crustacea [1] | 0.0775 mg/l Test organisms (species): Daphnia magna |
| EC50 - Other aquatic organisms [1] | 0.073 mg/l |
| EC50 72h - Algae [1] | 0.02 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |
| EC50 72h - Algae [2] | 0.012 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |
| LOEC (chronic) | 0.066 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| NOEC (chronic) | 0.024 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |

### 12.2. Persistence and degradability

| IDactiv Instrument Disinfectant | |
|---|---|
| Persistence and degradability | Rapidly degradable |

| Reaction mass of: N, N-didecyl-N-(2-hydroxyethyl)-N-methylammonium propionate and N, N-didecyl-N-(2-(2-hydroxyethoxy)ethyl)-N-methyl)ammonium propionate and N-N-didecyl-N-(2-(2-(2-hydroxyethoxy)ethoxy)ethyl)-N-methyl ammonium propionate (94667-33-1) | |
|---|---|
| Persistence and degradability | Not rapidly degradable |

| ethanediol; ethylene glycol (107-21-1) | |
|---|---|
| Persistence and degradability | Rapidly degradable |

| Alcohols, C9-11, EO8 (68439-46-3) | |
|---|---|
| Persistence and degradability | Rapidly degradable |

| 2-aminoethanol; ethanolamine (141-43-5) | |
|---|---|
| Persistence and degradability | Rapidly degradable |

| N-(3-AMINOPROPYL)-N-DODECYLPROPANE-1,3-DIAMINE (2372-82-9) | |
|---|---|
| Persistence and degradability | Rapidly degradable |

| LAURAMINOPROPYLAMINE (5538-95-4) | |
|---|---|
| Persistence and degradability | Rapidly degradable |

### 12.3. Bioaccumulative potential

No additional information available

### 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

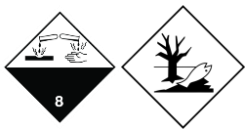
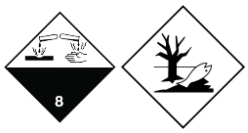
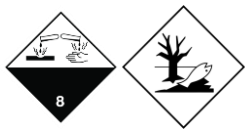
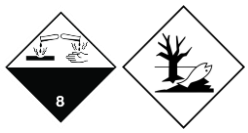
### 13.1. Waste treatment methods

HP Code : HP5 - “Specific Target Organ Toxicity (STOT)/Aspiration Toxicity:” waste which can cause specific target organ toxicity either from a single or repeated exposure, or which cause acute toxic effects following aspiration.
HP4 - “Irritant – skin irritation and eye damage:” waste which on application can cause skin irritation or damage to the eye.
HP14 - “Ecotoxic:” waste which presents or may present immediate or delayed risks for one or more sectors of the environment

## SECTION 14: Transport information

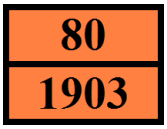
In accordance with ADR / IMDG / IATA / ADN / RID

| ADR | IMDG | IATA | ADN | RID |
|---|---|---|---|---|
| **14.1. UN number or ID number** | | | | |
| UN 1903 | UN 1903 | UN 1903 | UN 1903 | UN 1903 |

| ADR | IMDG | IATA | ADN | RID |
|---|---|---|---|---|
| **14.2. UN proper shipping name** | | | | |
| DISINFECTANT, LIQUID, CORROSIVE, N.O.S. ((N-(3-aminopropyl)-N-Dodecylpropane-1,3-Diamine)) | DISINFECTANT, LIQUID, CORROSIVE, N.O.S. ((N-(3-aminopropyl)-N-Dodecylpropane-1,3-Diamine)) | Disinfectant, liquid, corrosive, n.o.s. ((N-(3-aminopropyl)-N-Dodecylpropane-1,3-Diamine)) | DISINFECTANT, LIQUID, CORROSIVE, N.O.S. ((N-(3-aminopropyl)-N-Dodecylpropane-1,3-Diamine)) | DISINFECTANT, LIQUID, CORROSIVE, N.O.S. ((N-(3-aminopropyl)-N-Dodecylpropane-1,3-Diamine)) |
| **Transport document description** | | | | |
| UN 1903 DISINFECTANT, LIQUID, CORROSIVE, N.O.S. ((N-(3-aminopropyl)-N-Dodecylpropane-1,3-Diamine)), 8, III, (E), ENVIRONMENTALLY HAZARDOUS | UN 1903 DISINFECTANT, LIQUID, CORROSIVE, N.O.S. ((N-(3-aminopropyl)-N-Dodecylpropane-1,3-Diamine)), 8, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS | UN 1903 Disinfectant, liquid, corrosive, n.o.s. ((N-(3-aminopropyl)-N-Dodecylpropane-1,3-Diamine)), 8, III, ENVIRONMENTALLY HAZARDOUS | UN 1903 DISINFECTANT, LIQUID, CORROSIVE, N.O.S. ((N-(3-aminopropyl)-N-Dodecylpropane-1,3-Diamine)), 8, III, ENVIRONMENTALLY HAZARDOUS | UN 1903 DISINFECTANT, LIQUID, CORROSIVE, N.O.S. ((N-(3-aminopropyl)-N-Dodecylpropane-1,3-Diamine)), 8, III, ENVIRONMENTALLY HAZARDOUS |
| **14.3. Transport hazard class(es)** | | | | |
| 8 | 8 | 8 | 8 | 8 |
|  |  |  |  |  |
| **14.4. Packing group** | | | | |
| III | III | III | III | III |
| **14.5. Environmental hazards** | | | | |
| Dangerous for the environment: Yes | Dangerous for the environment: Yes<br>Marine pollutant: Yes<br>EmS-No. (Fire): F-A<br>EmS-No. (Spillage): S-B | Dangerous for the environment: Yes | Dangerous for the environment: Yes | Dangerous for the environment: Yes |
| No supplementary information available | | | | |

## 14.6. Special precautions for user

### Overland transport

| | | |
|---|---|---|
| Classification code (ADR) | : | C9 |
| Special provisions (ADR) | : | 274 |
| Limited quantities (ADR) | : | 5l |
| Excepted quantities (ADR) | : | E1 |
| Packing instructions (ADR) | : | P001, IBC03, LP01, R001 |
| Mixed packing provisions (ADR) | : | MP19 |
| 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 |
| EAC code | : | 2X |

### Transport by sea

| | | |
|---|---|---|
| Special provisions (IMDG) | : | 223, 274 |
| Limited quantities (IMDG) | : | 5 L |

| | | |
|---|---|---|
| Excepted quantities (IMDG) | : | E1 |
| Packing instructions (IMDG) | : | P001, LP01 |
| IBC packing instructions (IMDG) | : | IBC03 |
| Stowage category (IMDG) | : | A |
| Properties and observations (IMDG) | : | A wide variety of corrosive liquids. Causes burns to skin, eyes and mucous membranes. |

### Air transport

| | | |
|---|---|---|
| PCA Excepted quantities (IATA) | : | E1 |
| PCA Limited quantities (IATA) | : | Y841 |
| PCA limited quantity max net quantity (IATA) | : | 1L |
| PCA packing instructions (IATA) | : | 852 |
| PCA max net quantity (IATA) | : | 5L |
| CAO packing instructions (IATA) | : | 856 |
| CAO max net quantity (IATA) | : | 60L |
| Special provisions (IATA) | : | A3, A803 |
| ERG code (IATA) | : | 8L |

### Inland waterway transport

| | | |
|---|---|---|
| Classification code (ADN) | : | C9 |
| Special provisions (ADN) | : | 274 |
| Limited quantities (ADN) | : | 5 L |
| Excepted quantities (ADN) | : | E1 |
| 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) | : | 5L |
| Excepted quantities (RID) | : | E1 |
| Packing instructions (RID) | : | P001, IBC03, LP01, R001 |
| Mixed packing provisions (RID) | : | MP19 |
| Tank codes for RID tanks (RID) | : | L4BN |
| Transport category (RID) | : | 3 |
| Special provisions for carriage – Packages (RID) | : | W12 |
| Colis express (express parcels) (RID) | : | CE8 |
| Hazard identification number (RID) | : | 80 |

## 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)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

### 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)

### Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

### Explosives Precursors Regulation (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 (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)

### National regulations

### Germany

| Air Quality Control (TA Luft) | | | | | |
|---|---|---|---|---|---|
| Category | Class | Applicable on | Local name | Max. mass flow | Max. mass concentration |

## 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

| Abbreviations and acronyms: | |
|---|---|
| CAS-No. | Chemical Abstract Service number |
| LC50 | Median lethal concentration |
| LD50 | Median lethal dose |
| OEL | Occupational Exposure Limit |
| EC50 | Median effective concentration |
| PBT | Persistent Bioaccumulative Toxic |
| NOEC | No-Observed Effect Concentration |

Data sources : Supplier's safety documents. Expert judgement and weight of evidence determination.

| Full text of H- and EUH-statements: | |
|---|---|
| Acute Tox. 3 (Dermal) | Acute toxicity (dermal), 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 |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| H302 | Harmful if swallowed. |
| H311 | Toxic in contact with skin. |
| H312 | Harmful in contact with skin. |

| Full text of H- and EUH-statements: | |
|---|---|
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H372 | Causes damage to organs through prolonged or repeated exposure. |
| 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. |
| Skin Corr. 1 | Skin corrosion/irritation, Category 1 |
| Skin Corr. 1A | Skin corrosion/irritation, Category 1, Sub-Category 1A |
| Skin Corr. 1B | Skin corrosion/irritation, Category 1, Sub-Category 1B |
| STOT RE 1 | Specific target organ toxicity – Repeated exposure, Category 1 |
| STOT RE 2 | Specific target organ toxicity – Repeated exposure, Category 2 |
| STOT SE 3 | Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation |

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.