

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

1.1. Product identifier

| | |
|-----------------|---|
| Product form | : Mixture |
| Trade name | : exeol scrub 4% |
| UFI | : T169-M06H-K008-9D0N |
| Product code | : 3320-112-1 |
| Type of product | : Biocidal product (Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products) |
| Product group | : Trade product |

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

1.2.1. Relevant identified uses

| | |
|------------------------------|--|
| Main use category | : Professional use |
| Use of the substance/mixture | : Disinfectant hand washing solution Hygienic and surgical handwash PT 1 - Human hygiene |

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer

SODEL
190 rue René Barthélemy
FR- 14100 LISIEUX
FRANCE
T +33(0)2 31 31 10 50 - F +33(0)2 31 31 80 60
info@sodel-sa.eu - www.sodel-sa.eu

1.4. Emergency telephone number

| Country | Organisation/Company | Address | Emergency number | Comment |
|----------------|--|---|--|--------------------------------------|
| Ireland | National Poisons Information Centre Beaumont Hospital | PO Box 1297 Beaumont Road 9 Dublin | +353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7) | |
| United Kingdom | Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust | Avonley Road SE14 5ER London | +44 20 7188 7188 | |
| United Kingdom | National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre | 16/17 Framlington Place Newcastle-upon-Tyne NE2 4AB Newcastle | 0344 892 0111 | Only for healthcare professionals |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

| | |
|---|------|
| 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 2 | H411 |
| Full text of H- and EUH-statements: see section 16 | |

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Adverse physicochemical, human health and environmental effects

Causes serious eye damage. Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.

2.2. Label elements

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

Hazard pictograms (CLP)



GHS05

GHS09

Signal word (CLP)

: Danger

Contains

: D-gluconic acid, compound with N,N''-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediamidine (2:1); D-Glucopyranose, oligomers, decyl octyl glycosides; Amines, C12-14-alkyldimethyl, N-oxides

Hazard statements (CLP)

: H318 - Causes serious eye damage.
H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements (CLP)

: P273 - Avoid release to the environment.
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 POISON CENTER, a doctor.
P391 - Collect spillage.
P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards

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

| Component | |
|--|---|
| Amines, C12-14-alkyldimethyl, N-oxides (308062-28-4) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, 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 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 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--|--|-----------------|---|
| D-Glucopyranose, oligomers, decyl octyl glycosides | CAS-No.: 68515-73-1 EC-No.: 500-220-1 REACH-no: 01-2119488530-36 | $\geq 5 - < 10$ | Eye Dam. 1, H318 |
| D-gluconic acid, compound with N,N''-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediamidine (2:1) (Active substance (Biocide)) | CAS-No.: 18472-51-0 EC-No.: 242-354-0 REACH-no: 01-2119946568-22 | $\geq 1 - < 5$ | Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 |

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| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--|---|------------------|---|
| Amines, C12-14-alkyldimethyl, N-oxides | CAS-No.: 308062-28-4 EC-No.: 931-292-6 REACH-no: 01-2119490061-47 | $\geq 1 - < 5$ | Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 2, H411 |
| Amines, C12-14-alkyldimethyl | CAS-No.: 84649-84-3 EC-No.: 283-464-9 | $\geq 0.1 - < 1$ | Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Skin Corr. 1B, H314 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 |

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 | : As a general rule, in case of doubt or if symptoms persist, always call a doctor. Never give anything by mouth to an unconscious person. |
| First-aid measures after inhalation | : Remove person to fresh air and keep comfortable for breathing. |
| First-aid measures after skin contact | : Wash skin with plenty of water. |
| 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 | : Call a poison center or a doctor if you feel unwell. Rinse mouth. Do not induce vomiting. |

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

| | |
|------------------------------------|---------------------------|
| Symptoms/effects after eye contact | : Serious damage to eyes. |
|------------------------------------|---------------------------|

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|------------------------------|--|
| Suitable extinguishing media | : Water spray. Dry powder. Foam. Carbon dioxide. |
|------------------------------|--|

5.2. Special hazards arising from the substance or mixture

| | |
|--|---|
| Fire hazard | : Not flammable. |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. Do not breathe in smoke. |

5.3. Advice for firefighters

| | |
|--------------------------------|--|
| 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

6.1.1. For non-emergency personnel

| | |
|----------------------|---|
| Emergency procedures | : Ventilate spillage area. Avoid contact with eyes. |
|----------------------|---|

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6.1.2. 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".

6.2. Environmental precautions

Avoid release to the environment. Prevent entry into storm water systems or watercourses.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.
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

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Avoid contact with eyes.
Hygiene measures : Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool. Store in original container.
Storage temperature : 5 – 25 °C
Storage area : Store away from heat. Keep container tightly closed and dry.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

| Sodium hydroxide (1310-73-2) | |
|---|---------------------------------------|
| United Kingdom - Occupational Exposure Limits | |
| Local name | Sodium hydroxide |
| WEL STEL (OEL STEL) | 2 mg/m ³ |
| Regulatory reference | EH40/2005 (Fourth edition, 2020). HSE |
| Inorganic peroxides (7722-84-1) | |
| United Kingdom - Occupational Exposure Limits | |
| Local name | Hydrogen peroxide |
| WEL TWA (OEL TWA) [1] | 1.4 mg/m ³ |
| WEL TWA (OEL TWA) [2] | 1 ppm |
| WEL STEL (OEL STEL) | 2.8 mg/m ³ |
| WEL STEL (OEL STEL) [ppm] | 2 ppm |
| Regulatory reference | EH40/2005 (Fourth edition, 2020). HSE |

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8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

8.2.2. Personal protection equipment

8.2.2.1. Eye and face protection

Eye protection:

Avoid contact with eyes. In the event of high danger, protect the face with a face shield. Prescription glasses are not considered as protection. The wearing of protective glasses is not compulsory. If your protocols recommend wearing them, use eye protection designed against liquid splashes in accordance with standard EN166. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure

8.2.2.2. Skin protection

No additional information available

8.2.2.3. Respiratory protection

No additional information available

8.2.2.4. Thermal hazards

No additional information available

8.2.3. 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 | : pink. |
| Appearance | : Clear. |
| Odour | : characteristic. Fragrance-free. |
| Odour threshold | : Not available |
| Melting point | : Not applicable |
| Freezing point | : Not available |
| Boiling point | : Not available |
| Flammability | : Not applicable |
| Explosive limits | : Not available |
| Lower explosion limit | : Not available |
| Upper explosion limit | : Not available |
| Flash point | : > 93 °C |
| Auto-ignition temperature | : Not available |
| Decomposition temperature | : Not available |
| pH | : 4.5 – 5.5 |
| pH solution concentration | : 100 % |
| Viscosity, kinematic | : Not available |
| Viscosity, dynamic | : 250 – 500 mPa.s |

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| | |
|---|------------------|
| Solubility | : Not available |
| Partition coefficient n-octanol/water (Log Kow) | : Not available |
| Vapour pressure | : Not available |
| Vapour pressure at 50°C | : Not available |
| Density | : 1.015 – 1.03 |
| Relative density | : Not available |
| Relative vapour density at 20°C | : Not available |
| Particle characteristics | : Not applicable |

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

VOC content : 0.5 % (EU Directive 2010/75)

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

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 |

D-gluconic acid, compound with N,N"-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediamidine (2:1) (18472-51-0)

| | |
|--------------------|--|
| LD50 oral | > 5000 mg/kg bodyweight |
| LD50 dermal rabbit | > 5000 mg/kg bodyweight Animal: rabbit, Guideline: other:EPA - Proposed Guidelines for Toxicology - Section 162.81-2 and 5 |

D-Glucopyranose, oligomers, decyl octyl glycosides (68515-73-1)

| | |
|---------------|---|
| LD50 oral rat | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method), Guideline: EU Method B.1 tris (Acute Oral Toxicity - Acute Toxic Class Method) |
| LD50 oral | > 2000 mg/kg bodyweight |

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| | |
|---|--|
| D-Glucopyranose, oligomers, decyl octyl glycosides (68515-73-1) | |
| LD50 dermal rabbit | > 2000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |
| LD50 dermal | > 2000 mg/kg bodyweight |
| Amines, C12-14-alkyldimethyl, N-oxides (308062-28-4) | |
| LD50 oral rat | 1064 mg/kg |
| Skin corrosion/irritation | : Not classified pH: 4.5 – 5.5 |
| D-gluconic acid, compound with N,N"-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediamidine (2:1) (18472-51-0) | |
| pH | 5.91 Temp.: 20 °C Concentration: 200 g/L |
| Amines, C12-14-alkyldimethyl (84649-84-3) | |
| pH | 10.5 Temp.: 20 °C Concentration: 5 other:% (m/m) |
| Serious eye damage/irritation | : Causes serious eye damage. pH: 4.5 – 5.5 |
| D-gluconic acid, compound with N,N"-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediamidine (2:1) (18472-51-0) | |
| pH | 5.91 Temp.: 20 °C Concentration: 200 g/L |
| Amines, C12-14-alkyldimethyl (84649-84-3) | |
| pH | 10.5 Temp.: 20 °C Concentration: 5 other:% (m/m) |
| Respiratory or skin sensitisation | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |
| Amines, C12-14-alkyldimethyl, N-oxides (308062-28-4) | |
| NOAEL (chronic, oral, animal/male, 2 years) | 88 mg/kg bodyweight Rat |
| NOAEL (chronic, oral, animal/female, 2 years) | 88 mg/kg bodyweight Rat |
| Amines, C12-14-alkyldimethyl (84649-84-3) | |
| NOAEL (chronic, oral, animal/male, 2 years) | 42.3 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies), Remarks on results: other:Effect type: toxicity (migrated information) |
| NOAEL (chronic, oral, animal/female, 2 years) | 52.6 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies), Remarks on results: other:Effect type: toxicity (migrated information) |
| Reproductive toxicity | : Not classified |
| STOT-single exposure | : Not classified |
| STOT-repeated exposure | : Not classified |
| D-gluconic acid, compound with N,N"-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediamidine (2:1) (18472-51-0) | |
| LOAEL (oral, rat, 90 days) | 8.88 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 452 (Chronic Toxicity Studies) |
| D-Glucopyranose, oligomers, decyl octyl glycosides (68515-73-1) | |
| NOAEL (oral, rat, 90 days) | 100 mg/kg bodyweight Animal: rat, Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents) |
| Aspiration hazard | : Not classified |

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11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute) : Very toxic to aquatic life.
Hazardous to the aquatic environment, long-term (chronic) : Toxic to aquatic life with long lasting effects.
Not rapidly degradable

D-gluconic acid, compound with N,N"-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediamidine (2:1) (18472-51-0)

| | |
|------------------------------------|---|
| LC50 - Fish [1] | 10.4 mg/l |
| EC50 - Crustacea [1] | 0.087 mg/l Test organisms (species): Daphnia magna |
| EC50 - Other aquatic organisms [1] | > 0.05 mg/l waterflea |
| EC50 - Other aquatic organisms [2] | 0.011 mg/l |
| EC50 72h - Algae [1] | 0.081 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |
| EC50 72h - Algae [2] | 0.038 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |

D-Glucopyranose, oligomers, decyl octyl glycosides (68515-73-1)

| | |
|------------------------------------|---|
| LC50 - Fish [1] | 126 mg/l |
| LC50 - Fish [2] | 170 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) |
| EC50 - Crustacea [1] | > 100 mg/l Test organisms (species): Daphnia magna |
| EC50 - Other aquatic organisms [1] | > 100 mg/l waterflea |
| EC50 - Other aquatic organisms [2] | 27.2 mg/l |
| EC50 72h - Algae [1] | 27.22 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |
| EC50 72h - Algae [2] | 37 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |

Amines, C12-14-alkyldimethyl, N-oxides (308062-28-4)

| | |
|----------------------|------------|
| LC50 - Fish [1] | 2.67 mg/l |
| EC50 - Crustacea [1] | 3.1 mg/l |
| EC50 72h - Algae [1] | 0.143 mg/l |
| NOEC chronic algae | 0.067 mg/l |

Amines, C12-14-alkyldimethyl (84649-84-3)

| | |
|----------------|---|
| LOEC (chronic) | 0.108 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
|----------------|---|

12.2. Persistence and degradability

Amines, C12-14-alkyldimethyl, N-oxides (308062-28-4)

| | |
|-------------------------------|-------------------------------|
| Persistence and degradability | Readily biodegradable (OECD). |
|-------------------------------|-------------------------------|

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12.3. Bioaccumulative potential

D-gluconic acid, compound with N,N"-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediamidine (2:1) (18472-51-0)

| | |
|---|-------|
| Partition coefficient n-octanol/water (Log Pow) | -0.33 |
|---|-------|

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

Component

| | |
|--|---|
| Amines, C12-14-alkyldimethyl, N-oxides (308062-28-4) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
|--|---|

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

| | |
|--|--|
| 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 | : Empty container completely. Keep label(s) on container. Disposal must be done according to official regulations. Prevent entry into storm water systems or watercourses. Avoid release to the environment. Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals. |

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 3082 | UN 3082 | UN 3082 | UN 3082 | UN 3082 |
| 14.2. UN proper shipping name | | | | |
| ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (D-gluconic acid, compound with N,N"-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediamidine (2:1) ; Amines, C12-14-alkyldimethyl, N-oxides) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (D-gluconic acid, compound with N,N"-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediamidine (2:1) ; Amines, C12-14-alkyldimethyl, N-oxides) | Environmentally hazardous substance, liquid, n.o.s. (D-gluconic acid, compound with N,N"-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediamidine (2:1) ; Amines, C12-14-alkyldimethyl, N-oxides) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (D-gluconic acid, compound with N,N"-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediamidine (2:1) ; Amines, C12-14-alkyldimethyl, N-oxides) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (D-gluconic acid, compound with N,N"-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediamidine (2:1) ; Amines, C12-14-alkyldimethyl, N-oxides) |

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| ADR | IMDG | IATA | ADN | RID |
|---|--|--|--|--|
| Transport document description | | | | |
| UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (D-gluconic acid, compound with N,N"-bis(4- chlorophenyl)-3,12-diimino- 2,4,11,13- tetraazatetradecanediamidi ne (2:1) ; Amines, C12-14- alkyldimethyl, N-oxides), 9, III, (-) | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (D-gluconic acid, compound with N,N"-bis(4- chlorophenyl)-3,12-diimino- 2,4,11,13- tetraazatetradecanediamidi ne (2:1) ; Amines, C12-14- alkyldimethyl, N-oxides), 9, III, MARINE POLLUTANT | UN 3082 Environmentally hazardous substance, liquid, n.o.s. (D-gluconic acid, compound with N,N"- bis(4-chlorophenyl)-3,12- diimino-2,4,11,13- tetraazatetradecanediamidi ne (2:1) ; Amines, C12-14- alkyldimethyl, N-oxides), 9, III | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (D-gluconic acid, compound with N,N"-bis(4- chlorophenyl)-3,12-diimino- 2,4,11,13- tetraazatetradecanediamidi ne (2:1) ; Amines, C12-14- alkyldimethyl, N-oxides), 9, III | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (D-gluconic acid, compound with N,N"-bis(4- chlorophenyl)-3,12-diimino- 2,4,11,13- tetraazatetradecanediamidi ne (2:1) ; Amines, C12-14- alkyldimethyl, N-oxides), 9, III |
| 14.3. Transport hazard class(es) | | | | |
| 9 | 9 | 9 | 9 | 9 |
| | | | | |
| 14.4. Packing group | | | | |
| III | III | III | III | III |
| 14.5. Environmental hazards | | | | |
| Dangerous for the environment: Yes | Dangerous for the environment: Yes Marine pollutant: Yes | 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) | : M6 |
| Special provisions (ADR) | : 274, 335, 375, 601 |
| Limited quantities (ADR) | : 5I |
| Excepted quantities (ADR) | : E1 |
| Packing instructions (ADR) | : P001, IBC03, LP01, R001 |
| Special packing provisions (ADR) | : PP1 |
| Mixed packing provisions (ADR) | : MP19 |
| Portable tank and bulk container instructions (ADR) | : T4 |
| Portable tank and bulk container special provisions (ADR) | : TP1, TP29 |
| Tank code (ADR) | : LGBV |
| Vehicle for tank carriage | : AT |
| Transport category (ADR) | : 3 |
| Special provisions for carriage - Packages (ADR) | : V12 |
| Special provisions for carriage - Loading, unloading and handling (ADR) | : CV13 |
| Hazard identification number (Kemler No.) | : 90 |
| Orange plates | : |

| | |
|-------------------------------|-------|
| Tunnel restriction code (ADR) | : - |
| EAC code | : •3Z |

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Transport by sea

| | |
|-----------------------------------|-----------------|
| Special provisions (IMDG) | : 274, 335, 969 |
| Limited quantities (IMDG) | : 5 L |
| Excepted quantities (IMDG) | : E1 |
| Packing instructions (IMDG) | : LP01, P001 |
| Special packing provisions (IMDG) | : PP1 |
| IBC packing instructions (IMDG) | : IBC03 |
| Tank instructions (IMDG) | : T4 |
| Tank special provisions (IMDG) | : TP1, TP29 |
| EmS-No. (Fire) | : F-A |
| EmS-No. (Spillage) | : S-F |
| Stowage category (IMDG) | : A |

Air transport

| | |
|--|-------------------------|
| PCA Excepted quantities (IATA) | : E1 |
| PCA Limited quantities (IATA) | : Y964 |
| PCA limited quantity max net quantity (IATA) | : 30kgG |
| PCA packing instructions (IATA) | : 964 |
| PCA max net quantity (IATA) | : 450L |
| CAO packing instructions (IATA) | : 964 |
| CAO max net quantity (IATA) | : 450L |
| Special provisions (IATA) | : A97, A158, A197, A215 |
| ERG code (IATA) | : 9L |

Inland waterway transport

| | |
|-----------------------------------|----------------------|
| Classification code (ADN) | : M6 |
| Special provisions (ADN) | : 274, 335, 375, 601 |
| Limited quantities (ADN) | : 5 L |
| Excepted quantities (ADN) | : E1 |
| Carriage permitted (ADN) | : T |
| Equipment required (ADN) | : PP |
| Number of blue cones/lights (ADN) | : 0 |

Rail transport

| | |
|---|---------------------------|
| Classification code (RID) | : M6 |
| Special provisions (RID) | : 274, 335, 375, 601 |
| Limited quantities (RID) | : 5L |
| Excepted quantities (RID) | : E1 |
| Packing instructions (RID) | : P001, IBC03, LP01, R001 |
| Special packing provisions (RID) | : PP1 |
| Mixed packing provisions (RID) | : MP19 |
| Portable tank and bulk container instructions (RID) | : T4 |
| Portable tank and bulk container special provisions (RID) | : TP1, TP29 |
| Tank codes for RID tanks (RID) | : LGBV |
| Transport category (RID) | : 3 |
| Special provisions for carriage – Packages (RID) | : W12 |
| Special provisions for carriage - Loading, unloading and handling (RID) | : CW13, CW31 |
| Colis express (express parcels) (RID) | : CE8 |
| Hazard identification number (RID) | : 90 |

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

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SECTION 15: Regulatory information

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

15.1.1. 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 (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

VOC Directive (2004/42)

VOC content : 0.5 % (EU Directive 2010/75)

Explosives Precursors Regulation (2019/1148)

Contains substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)
Please see https://ec.europa.eu/home-affairs/system/files/2021-11/list_of_competent_authorities_and_national_contact_points_en.pdf

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)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:

| | |
|--------|---|
| 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) |
| COD | Chemical oxygen demand (COD) |
| DMEL | Derived Minimal Effect level |
| DNEL | Derived-No Effect Level |
| EC-No. | European Community number |
| EC50 | Median effective concentration |
| EN | European Standard |

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| Abbreviations and acronyms: | |
|-----------------------------|--|
| 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 |
| NOAEC | No-Observed Adverse Effect Concentration |
| NOAEL | No-Observed Adverse Effect Level |
| NOEC | No-Observed Effect Concentration |
| OECD | Organisation for Economic Co-operation and Development |
| OEL | Occupational Exposure Limit |
| PBT | Persistent Bioaccumulative Toxic |
| PNEC | Predicted No-Effect Concentration |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS | Safety Data Sheet |
| STP | Sewage treatment plant |
| ThOD | Theoretical oxygen demand (ThOD) |
| TLM | Median Tolerance Limit |
| VOC | Volatile Organic Compounds |
| CAS-No. | Chemical Abstract Service number |
| N.O.S. | Not Otherwise Specified |
| vPvB | Very Persistent and Very Bioaccumulative |
| ED | Endocrine disrupting properties |

Other information

: Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations. The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions. It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

| Full text of H- and EUH-statements: | |
|-------------------------------------|---|
| 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 |
| H302 | Harmful if swallowed. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| H400 | Very toxic to aquatic life. |

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Full text of H- and EUH-statements:

| | |
|---------------|--|
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects. |
| Skin Corr. 1B | Skin corrosion/irritation, Category 1, Sub-Category 1B |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |

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.