

Safety Data Sheet

According to Regulation (EC) No 1907/2006, amended by Regulation (EU) 2015/830

InSpec QT Ready to Use (RTU) Solution (4%)

Revision Date: 2018-05-10 Revision No. 4.0/EN

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

1.1 Product Identifier

Trade Name: InSpec QT RTU (4%)

Product Number:

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

Identified Uses: Biocidal product / surface cleaner (for professional use only).

1.3 Details of the supplier of the safety data sheet

Redditch Medical (a division of Entaco Ltd), Unit 90 Heming Rd, Washford, Redditch, B98 0EA, United Kingdom.

Contact Details

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1.4 Emergency telephone number

For medical or environmental emergency only:

Call + 44 (0) 1527 830940 (office hours, UK)

+ 44 (0) 7908 176679 (out-of-office hours, UK)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The product has been classified and labelled in accordance with Regulation (EC) No 1272/2008.

Physical hazards: Not classified.

Health hazards: Not classified.

Environmental hazards: Aquatic Chronic 3 (H412)

2.2 Label elements

Pictograms: None.
Signal Word: None.

Hazard Statements:

• H412 – Harmful to aquatic life with long lasting effects.

Precautionary Statements:

- P273 Avoid release to the environment.
- P501 Dispose of contents / container in accordance with national / local regulations.

2.3 Other hazards

No other hazards known. The product does not contain components which are known to meet the criteria for PBT or vPvB in accordance with Regulation (EC) No 1907/2006, Annex XIII.

SECTION 3: Composition/information on ingredients

3.1 Substances

The product is a mixture (see sub-section 3.2 of this Safety Data Sheet).

3.2 Mixtures

| Ingredient(s) | EC number | CAS | REACH number | Classification according | Notes | Content |
|---------------------|-----------|-----------|-------------------|------------------------------------|-------|---------|
| | | number | | Regulation (EU) No 1272/2008 (CLP) | | (% w/w) |
| Didecyldimethyl- | 230-525-2 | 7173-51-5 | 01-2119945987-15- | Acute Tox. 3 (H301) | - | < 1 |
| ammonium chloride | | | XXXX | Skin Corr. 1B (H314) | | |
| | | | | Aquatic Acute 1 (H400) | | |
| | | | | Aquatic Chronic 1 (H410) | | |
| Potassium carbonate | 209-529-3 | 584-08-7 | 01-2119532646-36- | Skin Irrit. 2 (H315) | - | <1 |
| | | | XXXX | Eye Irrit. 2 (H319) | | |
| | | | | STOT SE 3 (H335) | | |
| 2-Aminoethanol | 205-483-3 | 141-43-5 | 01-2119486455-28- | Acute Tox. 4 (H302) | - | < 1 |
| | | | XXXX | Acute Tox. 4 (H312) | | |
| | | | | Acute Tox. 4 (H332) | | |
| | | | | Skin Corr. 1B (H314) | | |
| Propan-2-ol | 200-661-7 | 67-63-0 | 01-2119457558-25- | Flam. Liq. (H225) | - | < 1 |
| | | | XXXX | Eye Irrit. 2 (H319) | | |
| | | | | STOT SE 3 (H336) | | |

Additional information:

For full text of Hazard (H) statements see Section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation: Get medical attention / advice if affected person feels unwell.

Skin contact: Remove / Take off immediately all contaminated clothing. Rinse skin with plenty of soap and water /

shower. Get medical attention / advice if affected person feels unwell.

Eye contact: Immediately rinse cautiously with water, also under the eyelids, for at least 15 minutes. Remove

contact lenses if present and easy to do. Continue rinsing. If irritation persists get medical attention /

advice.

Ingestion: Do NOT induce vomiting. Rinse mouth with water and drink plenty of water afterwards. Never give

anything by mouth to an unconscious person. Get medical attention / advice if affected person feels

unwell.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation:No information available.Skin contact:No information available.Eye contact:No information available.Ingestion:No information available.General Information:No information available.

4.3 Indication of any immediate medical attention and special treatment needed

No information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing material: Dry powder, water spray, foam.

5.2 Special hazards arising from the substance or mixture

Heating or fire can release toxic gas.

5.3 Advice for firefighters

As in the event of any fire, wear self-contained breathing apparatus and suitable personal protective equipment. Use water spray to cool unopened containers.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use respirator when performing operations involving potential exposure to vapour of the product.

6.2 Environmental precautions

Do not allow to enter drainage system, surface or ground water.

6.3 Methods and material for containment and cleaning up

Contain spillage, and then collect with non-combustible absorbent material (e.g. sand, earth, diatomaceous earth, vermiculite) and place in a suitable container for disposal according to local / national regulations.

6.4 Reference to other sections

For personal protective equipment see sub-section 8.2 of this Safety Data Sheet. For disposal considerations on see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Measure for protection of human health: Avoid contact with skin and eyes. Provide sufficient air exchange and / or exhaust in work rooms.

Measures to prevent fires and explosions: Take precautionary measures against static discharges.

Advice on general occupational hygiene: Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Wash hands before breaks and at the end of the work day. Wash face, hands and any exposed skin thoroughly after handling. Use with adequate ventilation.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local and national regulations. Keep container tightly closed and do not store in heat or direct sunlight. Store in a dry, cool and well-ventilated area. For conditions to avoid see sub-section 10.4 of this Safety Data Sheet.

7.3 Specific end use(s)

No additional information.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Workplace exposure limits:

Air limit values, if available:

| Ingredient(s) / Country | Long term exposure limit | Short term exposure limits | Reference / Legal Basis |
|-------------------------|---------------------------------|--|-------------------------------------|
| | (8 hour TWA) | (STEL) | |
| 2-Aminoethanol | | | |
| European Union | 1 ppm | 3 ppm | IOELV / BOELV; commission |
| | (2.5 mg/m ³) | (7.6 mg/m ³)* | Directive 2006/15/EC |
| United Kingdom | 1 ppm | 3 ppm | UK EH40 WEL; Workplace |
| | (2.5 mg/m ³) | (7.6 mg/m ³) | Exposure Limits |
| Austria | 1 ppm | 3 ppm | MAK / TRK; Austrian OEL |
| | (2.5 mg/m ³) | (7.6 mg/m^3) | Regulation |
| Belgium | 1 ppm | 3 ppm | VLEP / GWBB |
| | (2.5 mg/m ³) | (7.6 mg/m^3) | |
| Denmark | 1 ppm | 2 ppm | Arbejdstilsynet; Executive Order |
| | (2.5 mg/m ³) | (5 mg/m ³) | on Limit Values for Substances |
| | | | and Materials (Denmark) |
| Finland | 1 ppm | 3 ppm | HTO-arvot 2016, Ministry of |
| | (2.5 mg/m ³) | (7.6 mg/m^3) | Social Affairs and Health (Finland) |
| France | 1 ppm | 3 ppm | Restrictive statutory limit values; |
| | (2.5 mg/m ³) | (7.6 mg/m³) | French Labour code / French |
| | | | Labour Ministry |
| Germany | 0.2 ppm – AGS | 0.2 ppm – AGS | DFG; Commission for the |
| · | (0.5 mg/m ³ - AGS)† | $(0.5 \text{ mg/m}^3 - \text{AGS})^{+*}$ | Investigation of Health Hazards of |
| | / | / | Chemical Compounds in the |
| | 0.2 ppm – DFG | 0.2 ppm – DFG | Work Area |
| | (0.51 mg/m ³ – DFG)† | (0.51 mg/m ³ – DFG)†* | AGS; German Committee on |
| | | | Hazardous Substances |
| Hungary | 2.5 mg/m ³ | 7.6 mg/m ³ | Hungarian decree No. 25/2000 |
| | | | (IX.30) |
| Ireland | 1 ppm | 3 ppm | Health and Safety Authority – |
| | (2.5 mg/m ³) | (7.6 mg/m ³)* | Code of Practice for the Chemical |
| | , , | , , | Agents Regulation (Ireland) |
| Spain | 1 ppm | 3 ppm | Limit Values Spain, Royal Decree |
| • | (2.5 mg/m ³) | (7.6 mg/m ³) | 374/2001 |
| Propan-2-ol | , , , | , <u>,</u> | , |
| European Union | n/a | n/a | IOELV / BOELV; commission |
| | | , , | Directive 2006/15/EC |
| United Kingdom | 400 ppm | 500 ppm | UK EH40 WEL; Workplace |
| | (999 mg/m³) | (1250 mg/m ³) | Exposure Limits |
| Austria | 200 ppm | 500 ppm | MAK / TRK; Austrian OEL |
| | (500 mg/m ³) | (1230 mg/m ³) | Regulation |
| Belgium | 200 ppm | 400 ppm | VLEP / GWBB |
| Deigiuiii | (500 mg/m³) | (1000 mg/m³) | VLLF / GWBB |
| Donmark | | | Arhaidstileunati Fyasutiya Ondan |
| Denmark | 200 ppm | 400 ppm | Arbejdstilsynet; Executive Order |

| | (490 mg/m ³) | (980 mg/m³) | on Limit Values for Substances |
|---------|---------------------------------|-----------------------------------|-------------------------------------|
| | | | and Materials (Denmark) |
| Finland | 200 ppm | 250 ppm | HTO-arvot 2016, Ministry of |
| | (500 mg/m ³) | (620 mg/m ³)* | Social Affairs and Health (Finland) |
| France | n/a | 400 ppm | VLE; French Labour code / French |
| | | (980 mg/m ³) | Labour Ministry |
| Germany | 200 ppm – AGS | 400 ppm – AGS | DFG; Commission for the |
| | (500 mg/m ³ - AGS) / | (1000 mg/m ³ – AGS)* / | Investigation of Health Hazards of |
| | 200 ppm – DFG | 400 ppm – DFG | Chemical Compounds in the |
| | (500 mg/m ³ – DFG) | (1000 mg/m³ – DFG) | Work Area |
| | | | AGS; German Committee on |
| | | | Hazardous Substances |
| Hungary | 500 mg/m ³ | 200mg/m ³ | Hungarian decree No. 25/2000 |
| | | | (IX.30) |
| Ireland | 200 ppm | 400 ppm* | Health and Safety Authority – |
| | | | Code of Practice for the Chemical |
| | | | Agents Regulation (Ireland) |
| Spain | 200 ppm | 400 ppm | Limit Values Spain, Royal Decree |
| | (500 mg/m ³) | (1000 mg/m ³) | 374/2001 |

^{*15-}minute average value / reference period

Biological limits, if available: Not available.

Recommended monitoring procedures, if available: Not available.

Additional exposure limits under the conditions of use, if available: Not available.

8.2 Exposure controls

The following information applies for the uses indicated in sub-section 1.2 of this Safety Data Sheet. If available, please refer to the product information sheet for application and handling instructions. Normal use conditions are assumed for this section.

Recommended safety measures for handling the *undiluted* product:

Engineering measures: Use in well-ventilated areas / provide adequate general and local exhaust.

Personal Protective Equipment

Eye/face protection: Tightly fitting safety goggles to an approved standard. Face shield to an approved standard. **Respiratory protection:** In the case of vapour formation, use a respirator with an approved filter; respirator with a

vapour filter (EN 141), respirator with ABEK filter.

Hand protection: Wear chemical-resistant, impervious gloves to an approved standard:

Suitable material: Nitrile rubber; break-through time: > 480 minutes. Take note of the information provided by the producer concerning permeability and break-through times, and

of special workplace conditions (mechanical strain, duration of contact).

Other skin and body protection: Choose body protection according to the amount and concentration of the substance at the

work place; rubber or plastic apron, rubber or plastic boots.

Hygiene measures: Do not smoke in work area. Wash hands before work breaks, immediately after handling the

product and before eating, smoking and using the toilet. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing and gloves, including the inside, before re-

[†]Inhalable fraction and vapour

use. When using, do not eat, drink or smoke.

Environmental Exposure Controls

General advice: Do not allow to enter drainage system, surface or ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Information in this section refers to the mixture.

Method / remark

Physical State:Liquid.-Colour:Light yellow.-Odour:Characteristic.-

pH: 12 @ 20 °C

Melting point /freezing point:Not available.-Initial boiling point and boiling range:Not available.-Flash point:> 65 °C-Evaporation rate:Not available.-Flammability (solid, gas):Not applicable.-Upper/lower flammability or explosive limits:Not available.-

Vapour pressure:23 hPa@ 20 °C

Vapour density:Not available.-Relative density:Not available.-

Density 1.06 g/cm³ @ 20 °C

Solubility(ies)Fully miscible with water.-Partition coefficient: n-octanol/water:Not available.-Auto-ignition temperature:Not auto-flammable.-Decomposition temperature:Not available.-

Viscosity (dynamic): 30 mPa.s @20 °C

Explosive properties:Not explosive.

Oxidising properties:
Not available.

9.2 Other information No additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended storage conditions.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Exothermic reaction with strong acids. Stable under normal conditions.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

Acids.

10.6 Hazardous decomposition products

No decomposition if stored under normal conditions.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

The following information is available regarding the mixture / product:

If ingested, burns of the mouth and throat, as well as a danger of perforation of the oesophagus and the stomach.

The following substance data is provided for ingredients in the mixture / product:

| Didecyldimethylammonium chlori | <u>de</u> | | | |
|------------------------------------|---|------------|---|--|
| Acute toxicity: | LD50 (Oral): | 238 mg/kg | Method – OECD Test Guideline 401. | |
| | | | Test species – rat. | |
| | | | Exposure time – not available. | |
| | LD50 (Dermal): | 3342 mg/kg | Method – not available. | |
| | | | Exposure time – not available. | |
| Skin corrosion / irritation: | Irritating. | | Method – OECD Test Guideline 404. | |
| | | | Test species – rabbit. | |
| | | | Exposure time – 3 minutes. | |
| Serious eye damage / irritation: | No information av | ailable. | · | |
| Respiratory or skin sensitisation: | Not sensitising. | | Method – US-EPA (Buehler Test). | |
| | | | Test species – guinea pig. | |
| Germ cell mutagenicity: | - | | | |
| Genotoxicity in vitro: | Negative. | | Method – OECD Test Guideline 471 (Ames Test). | |
| | | | Test item – Salmonella typhimurium. | |
| | Negative. | | Method – Chromosome aberration test in vitro. | |
| | | | Test item – Chinese hamster ovary cells. | |
| | Negative. | | Methods – Gene mutation. | |
| | | | Test item – Chinese hamster ovary cells. | |
| Genotoxicity in vivo: | Negative. | | Method – OECD Test Guideline 475 (Chromosome | |
| | | | aberration test in vivo). | |
| | | | Application route – oral | |
| | | | Test species - rat | |
| Carcinogenicity: | No information av | ailable. | | |
| Reproductive toxicity: | No information av | ailable. | | |
| STOT-single exposure: | No information available. | | | |
| STOT-repeated exposure: | No information available. | | | |
| Aspiration hazard: | The classifications of substances in the mixture / product are detailed in Section 3 of this Safety | | | |
| | Data Sheet. No substances in the mixture / product are classified as an aspiration hazard (H304). | | | |

| 2-Aminoethanol | 2-Aminoethanol | | | | | |
|------------------------------|----------------|------------|--------------------------------|--|--|--|
| Acute toxicity: | LD50 (Oral): | 1510 mg/kg | Method – not available. | | | |
| | | | Test species – rat. | | | |
| | | | Exposure time – not available. | | | |
| | LD50 (Dermal): | 1025 mg/kg | Method – not available. | | | |
| | | | Test species – rabbit. | | | |
| | | | Exposure time – 24 hours. | | | |
| Skin corrosion / irritation: | Corrosive | | Method – not available. | | | |
| | | | Test species – rabbit. | | | |
| | | | Exposure time – 4 hours. | | | |

| Serious eye damage / irritation: | Corrosive | Method – not available. | | |
|------------------------------------|---|--|--|--|
| | | Test species – rabbit. | | |
| | | Exposure time – not available. | | |
| Respiratory or skin sensitisation: | No information available. | | | |
| Germ cell mutagenicity: | - | | | |
| Genotoxicity in vitro: | Negative | Method – Ames test. | | |
| | | Test item – not available. | | |
| Genotoxicity in vivo: | Negative | Method – In Vivo Micronucleus Test. | | |
| | | Test item – not available. | | |
| Genotoxicity in vivo: | No information available. | | | |
| Carcinogenicity: | No information available. | | | |
| Reproductive toxicity: | No information available. | | | |
| STOT-single exposure: | No information available. | | | |
| STOT-repeated exposure: | No information available. | | | |
| Aspiration hazard: | The classifications of substances in the mixture / product are detailed in Section 3 of this Safety | | | |
| | Data Sheet. No substances in the mixt | ure / product are classified as an aspiration hazard (H304). | | |

| Propan-2-ol | | | | | |
|------------------------------------|---|----------------------|--|--|--|
| Acute toxicity: | LD50 (Oral): | 3570 mg/kg | Method – not available. | | |
| | | | Test species – rat. | | |
| | | | Exposure time – not available. | | |
| | LD50 (Dermal): | > 2000 mg/kg | Method – not available. | | |
| | | | Test species – rabbit. | | |
| | | | Exposure time – not available. | | |
| | LD50 (Inhalation): | > 25 mg/l | Method – OECD Test Guideline 403. | | |
| | | (vapour) | Test species – rat. | | |
| | | | Exposure time – 6 hours. | | |
| Skin corrosion / irritation: | Not irritant. | | Method – OECD Test Guideline 404. | | |
| | | | Test species – rabbit. | | |
| Serious eye damage / irritation: | Irritant. | | Method – OECD Test Guideline 405. | | |
| | | | Test species – rabbit. | | |
| Respiratory or skin sensitisation: | Skin contact: | Not sensitising. | Method – OECD Test Guideline 406 (Buehler test). | | |
| | | | Test species – guinea pig. | | |
| Germ cell mutagenicity: | - | | | | |
| Genotoxicity in vitro: | Negative – no evide | ence for | Method – OECD Test Guideline 471. | | |
| | mutagenicity. | | | | |
| Genotoxicity in vivo: | No information ava | ilable. | | | |
| Carcinogenicity: | No information ava | ilable. | | | |
| Reproductive toxicity: | No information available. | | | | |
| STOT-single exposure: | No information ava | ilable. | | | |
| STOT-repeated exposure: | No information ava | ilable. | | | |
| Aspiration hazard: | The classifications of | of substances in the | e mixture / product are detailed in Section 3 of this Safety | | |
| | Data Sheet. No substances in the mixture / product are classified as an aspiration hazard (H304). | | | | |

SECTION 12: Ecological information

12.1 Toxicity

No information is available on the product / mixture.

The following substance data is provided for ingredients in the mixture / product:

| Didecyldimethylammonium chlo | <u>ride</u> | | |
|-----------------------------------|----------------|---------------|---|
| Aquatic acute (short-term) toxici | ity | | |
| Aquatic acute (short-term) | LC50: | 0.19 mg/l | Method – US-EPA. |
| toxicity – fish: | | | Test species – <i>Pimephales promelas</i> (Fathead minnow). |
| | | | Exposure time – 96 hours. |
| Aquatic acute (short-term) | EC50: | 0.062 mg/l | Method – EPA-FIFRA (immobilisation). |
| toxicity – crustacea: | | | Test species – Daphnia magna (Water flea). |
| | | | Exposure time – 48 hours. |
| Aquatic acute (short-term) | ErC50: | 0.026 mg/l | Method – OECD Test Guideline 201 (growth inhibition). |
| toxicity – algae: | | | Test species – Pseudokirchnerirella subcapitata (Green |
| | | | algae). |
| | | | Exposure time – 96 hours. |
| Aquatic acute (short-term) | No information | on available. | |
| toxicity – marine species: | | | |
| Toxicity to bacteria: | ECO: | 11 mg/l | Method – OECD Test Guideline 209. |
| | | | Test species – Activated sludge. |
| | | | Exposure time – 3 hours. |
| M-Factor (acute): | 10 | | |
| Aquatic chronic (long-term) toxic | city | | |
| Aquatic chronic (long-term) | NOEC: | 0.032 mg/l | Method – OECD Test Guideline 210. |
| toxicity – fish: | | | Test species – Danio rerio (Zebra fish). |
| | | | Exposure time – 34 days. |
| Aquatic chronic (long-term) | NOEC: | 0.010 mg/l | Method – OECD Test Guideline 211 (reproduction test). |
| toxicity – crustacea: | | | Test species – Daphnia magna (Water flea). |
| | | | Exposure time – 21 days. |
| Aquatic acute (short-term) | No information | on available. | |
| toxicity – marine species: | | | |
| Toxicity to bacteria: | No information | on available. | |
| M-Factor (chronic): | 1 | | |

| 2-Aminoethanol | | | | | |
|---------------------------------|-------|----------|---|--|--|
| Aquatic acute (short-term) toxi | city | | | | |
| Aquatic acute (short-term) | LC50: | 150 mg/l | Method – not available. | | |
| toxicity – fish: | | | Test species – Oncorhynchus mykiss (Rainbow trout). | | |
| | | | Exposure time – 96 hours. | | |
| Aquatic acute (short-term) | EC50: | 120 mg/l | Method – OECD Test Guideline 202 (immobilization). | | |
| toxicity – crustacea: | | | Test species – Daphnia magna (Water flea). | | |
| | | | Exposure time – 24 hours. | | |
| Aquatic acute (short-term) | EC50: | 15 mg/l | Method – not available. | | |
| toxicity – algae: | | | Test species – Desmodesmus subspicatus (Green algae). | | |
| | | | Exposure time – 72 hours. | | |

| Aquatic acute (short-term) | No information available. | | | | |
|--------------------------------------|---------------------------|-------------|---|--|--|
| toxicity – marine species: | | | | | |
| Toxicity to bacteria: | EC50: | > 1000 mg/l | Method – OECD Test Guideline 209 (respiration | | |
| | | | inhibition). | | |
| | | | Test species – Activated sludge. | | |
| | | | Exposure time – 3 hours. | | |
| | EC10: | 6300 mg/l | Method – DIN 38412 Part 8. | | |
| | | | Test species – Pseudomonas putida. | | |
| | | | Exposure time – 16 hours. | | |
| Aquatic chronic (long-term) toxicity | | | | | |
| Aquatic chronic (long-term) | No information available. | | | | |
| toxicity – fish: | | | | | |
| Aquatic chronic (long-term) | No information | available. | | | |
| toxicity - crustacea: | | | | | |
| Aquatic acute (short-term) | No information available. | | | | |
| toxicity – marine species: | | | | | |
| Toxicity to bacteria: | No information | available. | | | |

| Propan-2-ol | | | | | |
|----------------------------------|--------------|---------------------------|---|--|--|
| Aquatic acute (short-term) toxic | city | | | | |
| Aquatic acute (short-term) | LC50: | > 100 mg/l | Method – not available. | | |
| toxicity – fish: | | | Test species – Pimephales promelas. | | |
| | | | Exposure time – 48 hours. | | |
| Aquatic acute (short-term) | EC50: | > 100 mg/l | Method – not available. | | |
| toxicity – crustacea: | | | Test species – Daphnia magna Straus. | | |
| | | | Exposure time – 48 hours. | | |
| Aquatic acute (short-term) | EC50: | > 100 mg/l | | | |
| toxicity – algae: | | | Method – not available. | | |
| | | | Test species – Scenedesmus quadricauda. | | |
| | | | Exposure time – 72 hours. | | |
| Aquatic acute (short-term) | No informati | No information available. | | | |
| toxicity – marine species: | | | | | |
| Toxicity to bacteria: | EC50: | > 1000 mg/l | Method – not available. | | |
| | | | Test species – Activated sludge. | | |
| | | | Exposure time – not available. | | |
| Aquatic chronic (long-term) tox | icity | | | | |
| Aquatic chronic (long-term) | No informati | No information available. | | | |
| toxicity – fish: | | | | | |
| Aquatic chronic (long-term) | No informati | No information available. | | | |
| toxicity – crustacea: | | | | | |

12.2 Persistence and degradability

No information is available on the product / mixture.

The following substance data is provided for ingredients in the mixture / product:

| Didecyldimethylammonium chlori | <u>Didecyldimethylammonium chloride</u> | | | | | |
|--------------------------------|---|---|---|--|--|--|
| Biodegradability: | 72% Read | dily biodegradable. | Method – OECD Test Guideline 301 B. | | | |
| | | | (Modified Sturm Test). | | | |
| | | | Testing period – 28 days. | | | |
| | 93.3% - | | Method – Die-away test. | | | |
| | | | Testing period – 28 days. | | | |
| | 91% - | | Method – OECD Test Guideline 303 A. | | | |
| | | | (OECD Confirmatory Test). | | | |
| | | | Testing period: 24 – 70 days. | | | |
| | The surfactant(s | contained in this mixt | ure complies(comply) with the biodegradability criteria | | | |
| | | /2004 on detergents. Data to support this assertion are | | | | |
| | held at the disposal of the competent authorities of the Member States and will be ma | | | | | |
| | available to then | n, at their direct reques | st or at the request of a detergent manufacturer. | | | |

| 2-Aminoethanol | | | |
|-------------------|------|------------------------|-------------------------------------|
| Biodegradability: | >80% | Readily biodegradable. | Method – OECD Test Guideline 301 B. |
| | | | Testing period – 19 days. |

| Propan-2-ol | | | |
|----------------------------|-------|--------------------------|------------------------------------|
| Biodegradability – aerobic | DT50: | 95% in 21 days – readily | Method – OECD Test Guideline 301 E |
| conditions: | | biodegradable. | |

12.3 Bioaccumulative potential

No information is available on the product / mixture.

The following substance data is provided for ingredients in the mixture / product:

| Propan-2-ol | | | |
|--------------------------------|------------------------------|----------------------------|-------------------------|
| Partition coefficient: | n-octanol / water (Log kow): | 0.05 – no bio-accumulation | OECD Test Guideline 107 |
| | | expected. | |
| Bioconcentration Factor (BCF): | No information available. | | |

12.4 Mobility in soil

No information is available on the product / mixture.

The following substance data is provided for ingredients in the mixture / product:

| <u>Didecyldimethylammonium chloride</u> | | | |
|---|-------------------|-----------------|--|
| Behaviour in environmental | Mobility in soil. | Method – US-EPA | |
| compartments: | | | |

| 2-Aminoethanol | | |
|----------------------------|---------------------------|-------------------------|
| Behaviour in environmental | No information available. | Method – not available. |
| compartments: | | |

| Propan-2-ol | | |
|----------------------------|---------------------------------|-------------------------|
| Behaviour in environmental | Potential for mobility in soil; | Method – not available. |
| compartments: | soluble in water | |

12.5 Results of PBT and vPvB assessment

The mixture contains no components that are known to be Persistent, Bioaccumulative and Toxic (PBT), or very Persistent and very Bioaccumulative (vPvB).

12.6 Other adverse effects

No additional information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Dispose of contents / container in accordance with local / national regulations. Contact waste disposal services.

SECTION 14: Transport information

General advice: Not classified as dangerous goods for transport.

| | | ADK/KID: | IMDG: | ICAO/IATA: | ADN: |
|------|------------|------------------------------------|-------|------------|------|
| 14.1 | UN number: | Non-dangerous goods for transport. | | | |

14.2 UN proper shipping name: n/a14.3 Transport hazard class(es): n/a

14.4 Packing group: n/a

14.5 Environmental hazards

Environmentally hazardous: No
Marine pollutant: No
Special precautions for user: n/a
Transport in bulk according n/a

to Annex II of MARPOL and

the IBC Code:

14.6

14.7

SECTION 15: Regulatory information

This Safety Data Sheet is compiled in accordance with the requirements of Regulation (EC) No 1907/2006 (REACH), amended by Regulation (EU) 2015/830.

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

Water contamination class (Germany): WGK 2: water endangering.

15.2 Chemical safety assessment

Not available for this product / mixture.

SECTION 16: Other information

The information is given in good faith and is based upon current available data. The suitability of this product for any particular use is not suggested. The user must determine if the product is correct for any particular application; the information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. This document is not a warranty or specification. This document does not constitute a guarantee for any specific product features and does not establish a legally binding contract.

Version: 4.0 EN Revision Date: 2018-05-10

Revision Note:

The following updates have been made in this revision of the Safety Data Sheet: overall formatting updated; Section 1 – updates to supplier's contact details; Section 2 – classification of mixture updated in accordance with Regulation (EC) No. 1272/2008 (CLP), including updated hazard pictograms, hazard statements and precautionary statements; Section 3 – updates to include REACH registration numbers for mixture ingredients and ingredient classifications given only in accordance with Regulation (EC) No 1272/208 (CLP); Section 4 – minor updates to wording of first aid measures; Section 5 – minor updates to wording for firefighting measures and advice for fire fighters; Section 6 – minor updates to wording of accidental release measures; Section 7 – minor updates to wording of handling and storage advice; Section 8 – occupational exposure limits for ingredients in mixture updated, and minor updates to exposure controls; Section 13 – minor updates to wording of disposal considerations.

Key literature references and sources for data:

Safety Data Sheet (Ver. 3.0), the ECHA classification and labelling Inventory, the Health and Safety Executive's (UK) EH40/2005 Workplace exposure limits, GESTIS Substance Databased (Occupational Exposure Limits).

Full text of the H and EUH phrases mentioned in section 3:

- H225 Highly Flammable liquid and vapour.
- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H314 Causes severe skin burns and eye damage.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H336 May cause drowsiness or dizziness.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long-lasting effects.
- H412 Harmful to aquatic life with long-lasting effects.

Abbreviations and acronyms:

- PBT Persistent, Bioaccumulative and Toxic.
- REACH number REACH registration number, without supplier specific part.
- vPvB very Persistent and very Bioaccumulative.
- STOT specific target organ toxicity.
- TWA Time weighted average.
- STEL Short term exposure limit.
- ADR / RID European Agreement concerning the International Carriage of Dangerous Goods by Road / Regulation concerning the International Carriage of Dangerous Goods by Rail.
- IMDG International Maritime Dangerous Goods Code.
- ICAO / IATA International Civil Aviation Organization / International Air Transport Association.
- ADN European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
- MARPOL International Convention for the Prevention of Pollution from Ships.

End of Safety Data Sheet