

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 SDS Ref.: Periodic review of SDS 10/12/2021
Date of issue: 12/15/2014 Revision date: 10/12/2018 Supersedes: 8/21/2015 Version: 1.2

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

1.1. Product identifier

Product form : Mixture

Product name : K. W. Engineering, Ultra Sonic Cleaner

Type of product : Cleaning Product group : Blend

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

1.2.1. Relevant identified uses

No additional information available

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Wessex Chemical Factors Ltd

9 Crane Way, Woolsbridge Industrial Park, Three Legged Cross, Wimborne, Dorset

BH21 6FA - United Kingdom

T +44 (0) 1202 823 699 - F +44 (0) 1202 813 863

www.wessexchemicalfactors.co.uk

E-mail address of competent person responsible for the SDS: info@wessexchemicalfactors.co.uk

1.4. Emergency telephone number

: +44 (0) 1202 823 699 (Office hours only 9am - 5pm Monday - Thursday, 9am - 4pm Friday.) **Emergency number**

+44 (0) 7973629367 (Out of hours emergency number)

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 2 H319 Reproductive toxicity, Category 1B H360 Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412

Full text of H statements: see section 16

Adverse physicochemical, human health and environmental effects

May damage fertility or the unborn child. Causes serious eye irritation. Harmful to aquatic life with long lasting effects.

2.2. Label elements

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

Hazard pictograms (CLP)





GHS07

GHS08

Signal word (CLP) : Danger

: N-methyl-2-pyrrolidone, 1-methyl-2-pyrrolidone Hazardous ingredients

: H319 - Causes serious eye irritation. Hazard statements (CLP)

H360 - May damage fertility or the unborn child. H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP) : P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

P264 - Wash hands thoroughly after handling. P273 - Avoid release to the environment. P280 - Wear eye protection, protective gloves.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing. P308+P313 - IF exposed or concerned: Get medical advice. P337+P313 - If eye irritation persists: Get medical advice/attention.

P405 - Store locked up.

P501 - Dispose of contents/container to hazardous or special waste collection point, in

accordance with local, regional, national and/or international regulation.

2.3. Other hazards

No additional information available

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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] |
|---|--|---------|--|
| tetrasodium ethylene diamine tetraacetate | (CAS-No.) 64-02-8 (EC-No.) 200-573-9 (EC Index-No.) 607-428-00-2 (REACH-no) 01-2119486762-27- XXXX | 3 - 10 | Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation:dust,mist), H332 Eye Dam. 1, H318 STOT RE 2, H373 |
| N-methyl-2-pyrrolidone, 1-methyl-2-pyrrolidone substance listed as REACH Candidate (1-Methyl-2-pyrrolidone) | (CAS-No.) 872-50-4 (EC-No.) 212-828-1 (EC Index-No.) 606-021-00-7 | 3 - 10 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Repr. 1B, H360D STOT SE 3, H335 |
| 1-methoxy-2-propanol; monopropylene glycol methyl ether | (CAS-No.) 107-98-2 (EC-No.) 203-539-1 (EC Index-No.) 603-064-00-3 (REACH-no) 01-2119457435-35- XXXX | >= 3 | Flam. Liq. 3, H226 STOT SE 3, H336 |
| C9-11 alcohol ethoxylate with 6.5 mol EO | (CAS-No.) 68439-46-3 | 1 - 3 | Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 |
| $\beta\mbox{-alanine, N-(2-carboxyethyl)-, N-coco alkyl derivs.,}$ disodium salts | (CAS-No.) 90170-43-7 (EC-No.) 290-476-8 (REACH-no) 01-2119976233-35-0001 | 0.1 - 1 | Eye Irrit. 2, H319 |
| disodium metasilicate | (CAS-No.) 6834-92-0 (EC-No.) 229-912-9 (EC Index-No.) 014-010-00-8 | 0.1 - 1 | Met. Corr. 1, H290 Skin Corr. 1B, H314 STOT SE 3, H335 |
| pentasodium triphosphate | (CAS-No.) 7758-29-4 (EC-No.) 231-838-7 (REACH-no) 01-2119430450-54- XXXX | 0.1 - 1 | Not classified |
| trisodium nitrilotriacetate | (CAS-No.) 5064-31-3 (EC-No.) 225-768-6 (EC Index-No.) 607-620-00-6 (REACH-no) 01-2119519239-36- XXXX | < 1 | Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Carc. 2, H351 |
| sodium hydroxide; caustic soda | (CAS-No.) 1310-73-2 (EC-No.) 215-185-5 (EC Index-No.) 011-002-00-6 (REACH-no) 01-2119457892-27- XXXX | < 1 | Met. Corr. 1, H290 Skin Corr. 1A, H314 |
| quaternary ammonium compounds, benzyl-C12-14 (even numbered)-alkyldimethyl, chlorides | (EC-No.) 939-350-2 (REACH-no) 01-2119970550-39-0000 | < 0.1 | Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 |
| benzotriazole | (CAS-No.) 95-14-7 (EC-No.) 202-394-1 | < 0.1 | Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Aquatic Chronic 3, H412 |
| 2-methoxypropanol | (CAS-No.) 1589-47-5 (EC-No.) 216-455-5 (EC Index-No.) 603-106-00-0 (REACH-no) 02-2119752454-37- XXXX | < 0.1 | Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Dam. 1, H318 Repr. 1B, H360D STOT SE 3, H335 |
| ethanol; ethyl alcohol | (CAS-No.) 64-17-5 (EC-No.) 200-578-6 (EC Index-No.) 603-002-00-5 (REACH-no) 01-2119457610-43- XXXX | < 0.1 | Flam. Liq. 2, H225 Eye Irrit. 2, H319 |

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| pecific concentration limits: | | |
|--|--|---|
| Name | Product identifier | Specific concentration limits |
| N-methyl-2-pyrrolidone, 1-methyl-2-pyrrolidone | (CAS-No.) 872-50-4 (EC-No.) 212-828-1 (EC Index-No.) 606-021-00-7 | (C >= 5) Repr. 1B, H360D (C >= 10) STOT SE 3, H335 |
| trisodium nitrilotriacetate | (CAS-No.) 5064-31-3 (EC-No.) 225-768-6 (EC Index-No.) 607-620-00-6 (REACH-no) 01-2119519239-36- XXXX | (C >= 5) Carc. 2, H351 |
| sodium hydroxide; caustic soda | (CAS-No.) 1310-73-2 (EC-No.) 215-185-5 (EC Index-No.) 011-002-00-6 (REACH-no) 01-2119457892-27- XXXX | (0.5 = <c 2)="" 2,="" <="" eye="" h319<br="" irrit.="">(0.5 =<c 2)="" 2,="" <="" h315<br="" irrit.="" skin="">(2 =<c 1b,="" 5)="" <="" corr.="" h314<br="" skin="">(C >= 5) Skin Corr. 1A, H314</c></c></c> |

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : IF exposed or concerned: Get medical advice/attention.

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. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects : May damage fertility or the unborn child.

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

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 : Use extinguishing media appropriate for surrounding fire. Water spray. Dry powder. Foam.

Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

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 : Only qualified personnel equipped with suitable protective equipment may intervene.

6.1.2. For emergency responders

: Do not attempt to take action without suitable protective equipment. For further information Protective equipment

refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

: Stop leak without risks if possible. For containment

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or

public waters.

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.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling

: Ensure good ventilation of the work station. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal

protective equipment. Avoid contact with skin and eyes.

: Wash Both hands thoroughly after handling. Separate working clothes from town clothes. Launder separately. 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

: Store locked up. Store in a well-ventilated place. Keep cool. Storage conditions

7.3. Specific end use(s)

Hygiene measures

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| N-methyl-2-pyrrolidone, 1-methyl-2-pyrrolidone (872-50-4) | | |
|---|----------------------|---|
| EU | Local name | n-Methyl-2-pyrrolidone |
| EU | IOELV TWA (mg/m³) | 40 mg/m³ |
| EU | IOELV TWA (ppm) | 10 ppm |
| EU | IOELV STEL (mg/m³) | 80 mg/m³ |
| EU | IOELV STEL (ppm) | 20 ppm |
| EU | Notes | skin |
| EU | Regulatory reference | COMMISSION DIRECTIVE 2009/161/EU |
| United Kingdom | Local name | n-Methyl-2-pyrrolidone |
| United Kingdom | WEL TWA (mg/m³) | 40 mg/m³ |
| United Kingdom | WEL TWA (ppm) | 10 ppm |
| United Kingdom | WEL STEL (mg/m³) | 80 mg/m³ |
| United Kingdom | WEL STEL (ppm) | 20 ppm |
| United Kingdom | Remark (WEL) | 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) |
| United Kingdom | Regulatory reference | EH40/2005 (Third edition, 2018). HSE |

| ethanol; ethyl alcohol (64-17-5) | | |
|----------------------------------|----------------------|--------------------------------------|
| United Kingdom | Local name | Ethanol |
| United Kingdom | WEL TWA (mg/m³) | 1920 mg/m³ |
| United Kingdom | WEL TWA (ppm) | 1000 ppm |
| United Kinadom | Regulatory reference | EH40/2005 (Third edition, 2018), HSE |

| sodium hydroxide; caustic soda (1310-73-2) | | |
|--|----------------------|--------------------------------------|
| United Kingdom Local name | | Sodium hydroxide |
| United Kingdom | WEL STEL (mg/m³) | 2 mg/m³ |
| United Kingdom | Regulatory reference | EH40/2005 (Third edition, 2018). HSE |

| 1-methoxy-2-propanol; me | -methoxy-2-propanol; monopropylene glycol methyl ether (107-98-2) | |
|--------------------------|---|---------------------|
| EU | Local name | 1-Methoxypropanol-2 |
| EU | IOELV TWA (mg/m³) | 375 mg/m³ |
| EU | IOELV TWA (ppm) | 100 ppm |
| EU | IOELV STEL (mg/m³) | 568 mg/m³ |
| EU | IOELV STEL (ppm) | 150 ppm |
| EU | Notes | Skin |

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| 1-methoxy-2-propanol; monopropylene glycol methyl ether (107-98-2) | | |
|--|----------------------|---|
| EU | Regulatory reference | COMMISSION DIRECTIVE 2000/39/EC |
| United Kingdom | Local name | 1-Methoxypropan-2-ol |
| United Kingdom | WEL TWA (mg/m³) | 375 mg/m³ |
| United Kingdom | WEL TWA (ppm) | 100 ppm |
| United Kingdom | WEL STEL (mg/m³) | 560 mg/m³ |
| United Kingdom | WEL STEL (ppm) | 150 ppm |
| United Kingdom | Remark (WEL) | 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) |
| United Kingdom | Regulatory reference | EH40. HSE |

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Personal protective equipment:

Safety glasses. Gloves.

| Hand protection: | |
|--|--|
| Protective gloves | |
| Eye protection: | |
| Safety glasses | |
| Skin and body protection: | |
| Wear suitable protective clothing | |
| Respiratory protection: | |
| [In case of inadequate ventilation] wear respiratory protection. | |

Personal protective equipment symbol(s):





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 : Yellow.

Odour : No data available
Odour threshold : No data available
pH : No data available
Relative evaporation rate (butylacetate=1) : No data available
Melting point : Not applicable
Freezing point : No data available

Boiling point : > 100 $^{\circ}$ C

: No data available Flash point : No data available Auto-ignition temperature Decomposition temperature : No data available Flammability (solid, gas) : Not applicable Vapour pressure : No data available Relative vapour density at 20 °C : No data available Relative density : No data available : soluble in water. Solubility

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Log Pow : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosive properties : No data available
Oxidising properties : No data available
Explosive limits : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

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

10.5. Incompatible materials

No additional information available

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 toxicological effects

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

| disodium | metasilicate | (6834-92-0) |
|------------|--------------|-------------|
| aisoaiaiii | metasineate | (0004-32-0) |

| · · · · · · · · · · · · · · · · · · · | |
|---|-------------------------|
| LD50 dermal rat | > 5000 mg/kg bodyweight |
| LC50 inhalation rat (Dust/Mist - mg/l/4h) | > 2.06 mg/l/4h |

| pentasodium | triphophoto | (77E0 20 A) |
|-------------|-------------|----------------|
| Demasoumn | HIOHOSOHAIR | l / / 20=23=41 |

| LD50 oral rat | > 2000 mg/kg bodyweight |
|--------------------|-------------------------|
| LD50 dermal rabbit | > 4640 mg/kg |

tetrasodium ethylene diamine tetraacetate (64-02-8)

| LD50 oral rat | 1780 mg/kg |
|---|--------------|
| LC50 inhalation rat (Dust/Mist - mg/l/4h) | 4.14 mg/l/4h |

trisodium nitrilotriacetate (5064-31-3)

| LD50 oral rat | 1740 mg/kg |
|---------------|------------|
| | |

β-alanine, N-(2-carboxyethyl)-, N-coco alkyl derivs., disodium salts (90170-43-7)

| LD50 oral rat | > 2000 mg/kg |
|---------------|--------------|
|---------------|--------------|

C9-11 alcohol ethoxylate with 6.5 mol EO (68439-46-3)

LD50 oral rat < 2000 mg/kg

benzotriazole (95-14-7)

| LD50 oral rat | 500 mg/kg bodyweight |
|--------------------|-------------------------|
| LD50 dermal rabbit | > 2000 mg/kg bodyweight |

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| N-methyl-2-pyrrolidone, 1-methyl-2-pyrrolidone (872-50-4) | |
|---|-------------------------|
| LD50 oral rat | 4150 mg/kg bodyweight |
| LD50 dermal rat | > 5000 mg/kg bodyweight |
| LC50 inhalation rat (mg/l) | > 5.1 mg/l/4h |

| quaternary ammonium compounds, benzyl-C12-14 (even numbered)-alkyldimethyl, chlorides | |
|---|-------------|
| LD50 oral rat | 397.5 mg/kg |
| LD50 dermal rabbit | 3412 mg/kg |

| ethanol; ethyl alcohol (64-17-5) | |
|---|--------------------|
| LD50 oral rat | 10470 mg/kg |
| LD50 oral | 3450 mg/kg (Mouse) |
| LD50 dermal rat | 15800 mg/kg |
| LC50 inhalation rat (Vapours - mg/l/4h) | 124.7 mg/l/4h |

| sodium hydroxide; caustic soda (1310-73-2) | |
|--|----------------------|
| LD50 oral | > 500 mg/kg (rabbit) |

| 1-methoxy-2-propanol; monopropylene glycol methyl ether (107-98-2) | |
|--|-------------------------|
| LD50 oral rat | > 5000 mg/kg bodyweight |
| LD50 dermal rat | > 2000 mg/kg bodyweight |

| LD50 dermal rat | > 2000 mg/kg bodyweight |
|-------------------------------|----------------------------------|
| | |
| 2-methoxypropanol (1589-47-5) | |
| LD50 oral rat | 5710 mg/kg |
| Skin corrosion/irritation | : Not classified |
| Serious eye damage/irritation | : Causes serious eye irritation. |

Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

Reproductive toxicity : May damage fertility or the unborn child.

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

| disodium metasilicate (6834-92-0) | |
|-----------------------------------|----------------------------------|
| NOAEL (oral, rat, 90 days) | > 227 - 237 mg/kg bodyweight/day |

| tetrasodium ethylene diamine tetraacetate (64-02-8) | |
|---|-----------------------------|
| NOAEL (oral, rat, 90 days) | >= 500 mg/kg bodyweight/day |

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects.

Acute aquatic toxicity : Not classified

Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

| disodium metasilicate (6834-92-0) | |
|-----------------------------------|---|
| LC50 fish 1 | 2320 mg/l Western mosquitofish (Gambusia affinis) |
| LC50 fish 2 | 210 mg/l Zebra fish (Danio rerio) |
| EC50 Daphnia 1 | 1700 mg/l |

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| EC50 72h algae (1) | 207 mg/l |
|--------------------|--------------|
| ErC50 (algae) | > 345.4 mg/l |

| pentasodium triphosphate (7758-29-4) | | |
|--------------------------------------|--------------------------------------|------------------------|
| | EC50, aquatic invertebrates, daphnia | 276.61 mg/l (96 Hours) |

| tetrasodium ethylene diamine tetraacetate (64-02-8) | |
|---|---|
| LC50 fish 1 | 121 mg/l Tests performed in very soft water (10-13 mg/l CaCO3 |
| LC50 fish 2 | 1592 mg/l Tests performed in very hard water (280-320 mg CaCO3) |
| EC50 72h algae (1) | > 100 mg/l |

| β-alanine, N-(2-carboxyethyl)-, N-coco alkyl derivs., disodium salts (90170-43-7) | |
|---|------------------------|
| LC50 fish 1 | 4.2 mg/l Rainbow trout |
| EC50 Daphnia 1 | 29 mg/l |
| EC50 72h algae (1) | 5.5 mg/l |
| NOEC chronic fish | 3.2 mg/l |

| C9-11 alcohol ethoxylate with 6.5 mol EO (68439-46-3) | |
|---|-------------|
| LC50 fish 1 | 1 - 10 mg/l |

| benzotriazole (95-14-7) | |
|-------------------------|----------------------------------|
| LC50 fish 1 | 180 mg/l Zebrafish (Danio rerio) |
| EC50 Daphnia 1 | 137 mg/l |
| ErC50 (algae) | 75 mg/l |
| NOEC chronic crustacea | 32 mg/l |
| NOEC chronic algae | 10 mg/l |

| N-methyl-2-pyrrolidone, 1-methyl-2-pyrrolidone (872-50-4) | |
|---|--|
| LC50 fish 1 | > 500 mg/l Rainbow trout (Oncorhynchus mykiss) |
| ErC50 (algae) | 673 mg/l |
| NOEC chronic algae | 125 mg/l |

| quaternary ammonium compounds, benzyl-C12-14 (even numbered)-alkyldimethyl, chlorides | |
|---|-------------------------------|
| LC50 fish 1 | 0.85 mg/l Oncorhynchus mykiss |
| EC50 Daphnia 1 | 0.016 mg/l |
| ErC50 (algae) | 0.03 mg/l |
| EC50, microorganisms | 7.75 mg/l (3 Hours) |
| NOEC, daphnia | 0.005 mg/l (48 Hours) |

| ethanol; ethyl alcohol (64-17-5) | |
|--|--|
| LC50 fish 1 | 13000 mg/l Oncorhynchus mykiss (Rainbow trout) |
| LC50 fish 2 | 14200 mg/l Pimephales promelas (Fat-head Minnow) |
| EC50 Daphnia 1 | 12340 mg/l |
| EC50 72h algae (1) | 275 mg/l Chlorella vulgaris |
| NOEC chronic crustacea | 9.6 mg/l Daphnia magna |
| EC50, algae, Selenastrum capricornutum | > 100 mg/l (48 Hours) |

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| sodium hydroxide; caustic soda (1310-73-2) | |
|--|--|
| LC50 fish 1 | 125 mg/l Western mosquitofish (Gambusia affinis) |
| EC50 other aquatic organisms 1 | 40.4 mg/l species of water flea (Ceriodaphnia sp.) |

| 1-methoxy-2-propanol; monopropylene glycol methyl ether (107-98-2) | |
|--|------------------|
| LC50 fish 1 | > 1000 mg/l |
| EC50 Daphnia 1 | > 1000 mg/l |
| EC50 96h algae (1) | > 1000 mg/l |
| 12.2. Persistence and degradability | |
| disodium metasilicate (6834-92-0) | |
| Persistence and degradability | Not established. |

| pentasodium triphosphate (7758-29-4) | |
|--------------------------------------|------------------|
| Persistence and degradability | Not established. |

| tetrasodium ethylene diamine tetraacetate (64-02-8) | |
|---|-----------------------------------|
| Persistence and degradability | Not readily biodegradable. |
| Chemical oxygen demand (COD) | 260 g O ₂ /g substance |

| β-alanine, N-(2-carboxyethyl)-, N-coco alkyl derivs., disodium salts (90170-43-7) | |
|---|------------------------|
| Persistence and degradability | Readily biodegradable. |

| C9-11 alcohol ethoxylate with 6.5 mol EO (68439-46-3) | |
|---|------------------------|
| Persistence and degradability | Readily biodegradable. |

| N-methyl-2-pyrrolidone, 1-methyl-2-pyrrolidone (872-50-4) | |
|---|------------------------------------|
| Persistence and degradability | Readily biodegradable. |
| Biochemical oxygen demand (BOD) | 1.07 g O ₂ /g substance |
| Chemical oxygen demand (COD) | 1.56 g O ₂ /g substance |

| quaternary ammonium compounds, benzyl-C12-14 (even numbered)-alkyldimethyl, chlorides | |
|---|------------------------|
| Persistence and degradability | Readily biodegradable. |
| Biodegradation | 63 % (in 28 days) |

| ethanol; ethyl alcohol (64-17-5) | |
|----------------------------------|-----------------------------------|
| Persistence and degradability | Readily biodegradable. |
| Biochemical oxygen demand (BOD) | 0.8 - 0.967 g O₂/g substance |
| Chemical oxygen demand (COD) | 1.7 g O ₂ /g substance |
| ThOD | 2.1 g O ₂ /g substance |
| BOD (% of ThOD) | 37.74 % ThOD |
| Biodegradation | 84 % 20 days |

| 1-methoxy-2-propanol; monopropylene glycol methyl ether (107-98-2) | |
|--|------------------------------------|
| Persistence and degradability | Readily biodegradable. |
| ThOD | 1.95 g O ₂ /g substance |

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| | 2000 S. 11. 10 1. | |
|---|---|--|
| 12.3. Bioaccumulative potential disodium metasilicate (6834-92-0) | | |
| | | |

| pentasodium triphosphate (7758-29-4) | |
|--------------------------------------|------------------|
| Bioaccumulative potential | Not established. |

| tetrasodium ethylene diamine tetraacetate (64-02-8) | |
|---|-------------------------------------|
| BCF fish 1 | 1.8 Bluegill, (Lepomis macrochirus) |
| Log Pow | -13 |
| Bioaccumulative potential | Low bioaccumulation potential. |

| β-alanine, N-(2-carboxyethyl)-, N-coco alkyl derivs., disodium salts (90170-43-7) | |
|---|---------------------------|
| Bioaccumulative potential | Bioaccumulation unlikely. |

| C9-11 alcohol ethoxylate with 6.5 mol EO (68439-46-3) | |
|---|---------------------------|
| Bioaccumulative potential | Bioaccumulation unlikely. |

| N-methyl-2-pyrrolidone, 1-methyl-2-pyrrolidone (872-50-4) | |
|---|---------------------------|
| Log Pow | -0.46 |
| Bioaccumulative potential | Bioaccumulation unlikely. |

| quaternary ammonium compounds, benzyl-C12-14 (even numbered)-alkyldimethyl, chlorides | |
|---|------|
| Log Kow | 2.75 |
| Bioaccumulative potential | Low. |

| ethanol; ethyl alcohol (64-17-5) | |
|----------------------------------|-------|
| Log Pow | -0.32 |
| Bioaccumulative potential | Low. |

| sodium hydroxide; caustic soda (1310-73-2) | |
|--|---------------------|
| Bioaccumulative potential | No bioaccumulation. |

| 1-methoxy-2-propanol; monopropylene glycol methyl ether (107-98-2) | | |
|---|--|--|
| Bioaccumulative potential Not expected to bioaccumulate due to the low log Kow (log Kow < 4). | | |
| 12.4. Mobility in soil | | |
| N-methyl-2-pyrrolidone, 1-methyl-2-pyrrolidone (872-50-4) | | |
| Surface tension 40.7 mN/m | | |

| ethanol; ethyl alcohol (64-17-5) | | |
|----------------------------------|--|--|
| Surface tension | 24.5 mN/m | |
| Ecology - soil | Product evaporates when in contact with the air. | |

| sodium hydroxide; caustic soda (1310-73-2) | |
|--|--|
| Ecology - soil | Mobile. Soluble material/quickly disperses in water. |

| 1-methoxy-2-propanol; monopropylene glycol methyl ether (107-98-2) | |
|--|--------------------------|
| Surface tension | 0.0707 N/m (20 C; 1 g/l) |

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| Component | | |
|--|--|--|
| 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 | | |
| 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 | | |
| 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 | | |
| 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 | | |
| 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 | | |
| This substance is not considered to be persistent, bioaccumulating nor toxic (PBT). This substance is not considered to be very persistent nor very bioaccumulating (vPvB) | | |
| 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. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

14.1 LIN number

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Product/Packaging disposal recommendations : Dispose of contents/container to hazardous or special waste collection point, in accordance

with local, regional, national and/or international regulation.

| SECTION | DN 14: Trans | port in | formation |
|---------|--------------|---------|-----------------------|
| | | P | o i i i i di ci o i i |

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

| 17.1. OII HUIIIDEI | |
|--------------------|------------------|
| UN-No. (ADR) | : Not applicable |
| UN-No. (IMDG) | : Not applicable |
| UN-No. (IATA) | : Not applicable |
| UN-No. (ADN) | : Not applicable |
| UN-No. (RID) | : Not applicable |

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable
Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

עוא

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable
Packing group (ADN) : Not applicable
Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

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Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

Overland transport

No data available

Transport by sea

No data available

Air transport

No data available

Inland waterway transport

No data available

Rail transport

No data available

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains a substance on the REACH candidate list in concentration ≥ 0.1% or with a lower specific limit: 1-Methyl-2-pyrrolidone (EC 212-828-1, CAS 872-50-4)

Contains no REACH Annex XIV 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

| Full text of H- and EUH-statements: | |
|-------------------------------------|--|
| Acute Tox. 4 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 4 |
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 |
| Aquatic Acute 1 | Hazardous to the aquatic environment — Acute Hazard, Category 1 |
| Aquatic Chronic 1 | Hazardous to the aquatic environment — Chronic Hazard, Category 1 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment — Chronic Hazard, Category 3 |
| Carc. 2 | Carcinogenicity, Category 2 |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Flam. Liq. 2 | Flammable liquids, Category 2 |
| Flam. Liq. 3 | Flammable liquids, Category 3 |
| Met. Corr. 1 | Corrosive to metals, Category 1 |
| Repr. 1B | Reproductive toxicity, Category 1B |
| Skin Corr. 1A | Skin corrosion/irritation, Category 1A |
| Skin Corr. 1B | Skin corrosion/irritation, Category 1B |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| 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 |
| STOT SE 3 | Specific target organ toxicity — Single exposure, Category 3, Narcosis |
| H225 | Highly flammable liquid and vapour. |
| H226 | Flammable liquid and vapour. |

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| H290 | May be corrosive to metals. |
|-------|--|
| H302 | Harmful if swallowed. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H336 | May cause drowsiness or dizziness. |
| H351 | Suspected of causing cancer. |
| H360 | May damage fertility or the unborn child. |
| H360D | May damage the unborn child. |
| 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. |
| H412 | Harmful to aquatic life with long lasting effects. |

SDS EU (REACH Annex II)

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