

Safety Data Sheet

according to Regulation (EC) No 1907/2006

803(E) Industrial & Marine Solvent II

Revision date: 20.02.2023

Page 1 of 18

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

1.1. Product identifier

803(E) Industrial & Marine Solvent II

UFI: JDEW-16W0-1CE1-62F8

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

Use of the substance/mixture

A high performance water based alkaline cleaner.

Uses advised against

No information available.

1.3. Details of the supplier of the safety data sheet

Company name: Chesterton International GmbH

Street: Am Lenzenfleck 23

Place: D-85737 Ismaning GERMANY

Telephone: +49 89 99 65 46 - 0

Telefax: +49 89 99 65 46 - 50

e-mail: eu-sds@chesterton.com

e-mail (Contact person): eu-sds@chesterton.com

Internet: www.chesterton.com

Responsible Department: eu-sds@chesterton.com

1.4. Emergency telephone

+49(0) 551 - 1 92 40 (GIZ-Nord, 24h)

number:

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Skin Corr. 1; H314

Eye Dam. 1; H318

Full text of hazard statements: see SECTION 16.

2.2. Label elements

Regulation (EC) No 1272/2008

Hazard components for labelling

Hexyl D-glucoside

potassium hydroxide; caustic potash

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18(even numbered) and C18 unsaturated acyl) derivs., hydroxides, inner salts

Signal word: Danger

Safety Data Sheet

according to Regulation (EC) No 1907/2006

803(E) Industrial & Marine Solvent II

Revision date: 20.02.2023

Page 2 of 18

Pictograms:



Hazard statements

H314 Causes severe skin burns and eye damage.

Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P363 Wash contaminated clothing before reuse.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P310 Immediately call a POISON CENTER/doctor.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.
P405 Store locked up.
P501 Dispose of contents/container to an appropriate recycling or disposal facility.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Safety Data Sheet

according to Regulation (EC) No 1907/2006

803(E) Industrial & Marine Solvent II

Revision date: 20.02.2023

Page 3 of 18

Hazardous components

| CAS No | Chemical name | | | Quantity |
|-------------|--|--------------|------------------|-----------|
| | EC No | Index No | REACH No | |
| | Classification (Regulation (EC) No 1272/2008) | | | |
| 497-19-8 | sodium carbonate | | | 1 - < 5 % |
| | 207-838-8 | 011-005-00-2 | 01-2119485498-19 | |
| | Eye Irrit. 2; H319 | | | |
| 54549-24-5 | Hexyl D-glucoside | | | 1 - < 5 % |
| | 259-217-6 | | 01-2119492545-29 | |
| | Eye Dam. 1; H318 | | | |
| 34590-94-8 | (2-methoxymethylethoxy)propanol | | | 1 - < 5 % |
| | 252-104-2 | | 01-2119450011-60 | |
| | | | | |
| 1310-58-3 | potassium hydroxide; caustic potash | | | 1 - < 5 % |
| | 215-181-3 | 019-002-00-8 | 01-2119487136-33 | |
| | Acute Tox. 4, Skin Corr. 1A; H302 H314 | | | |
| 147170-44-3 | 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18(even numbered) and C18 unsaturated acyl) derivs., hydroxides, inner salts | | | 1 - < 5 % |
| | 931-333-8 | | 01-2119489410-39 | |
| | Eye Dam. 1, Aquatic Chronic 3; H318 H412 | | | |

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

Specific Conc. Limits, M-factors and ATE

| CAS No | EC No | Chemical name | Quantity |
|-------------|--|--|-----------|
| | Specific Conc. Limits, M-factors and ATE | | |
| 497-19-8 | 207-838-8 | sodium carbonate | 1 - < 5 % |
| | dermal: LD50 = > 2000 mg/kg; oral: LD50 = 2800 mg/kg | | |
| 54549-24-5 | 259-217-6 | Hexyl D-glucoside | 1 - < 5 % |
| | dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 2000 mg/kg | | |
| 34590-94-8 | 252-104-2 | (2-methoxymethylethoxy)propanol | 1 - < 5 % |
| | dermal: LD50 = 9510 mg/kg; oral: LD50 = > 5000 mg/kg | | |
| 1310-58-3 | 215-181-3 | potassium hydroxide; caustic potash | 1 - < 5 % |
| | oral: LD50 = 333 mg/kg Skin Corr. 1A; H314: >= 5 - 100 Skin Corr. 1B; H314: >= 2 - < 5 Skin Irrit. 2; H315: >= 0,5 - < 2 Eye Irrit. 2; H319: >= 0,5 - < 2 | | |
| 147170-44-3 | 931-333-8 | 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18(even numbered) and C18 unsaturated acyl) derivs., hydroxides, inner salts | 1 - < 5 % |
| | dermal: LD50 = > 2000 mg/kg; oral: LD50 = 2335 mg/kg Eye Dam. 1; H318: >= 10,1 - 100 Eye Irrit. 2; H319: >= 1 - < 10,1 | | |

Labelling for contents according to Regulation (EC) No 648/2004

5 % - < 15 % non-ionic surfactants, < 5 % amphoteric surfactants, preservation agents.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

803(E) Industrial & Marine Solvent II

Revision date: 20.02.2023

Page 4 of 18

Further Information

No information available.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Immediately remove any contaminated clothing, shoes or stockings. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Call a doctor.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Remove contaminated, saturated clothing immediately. In case of skin irritation, consult a physician.

After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

Remove contact lenses, if present and easy to do. Continue rinsing.

After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Let 1 glass of water be drunken in little sips (dilution effect).

Do NOT induce vomiting.

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

Causes severe skin burns and eye damage.

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

First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

- alcohol resistant foam
- Water spray jet
- Carbon dioxide (CO₂)
- Dry extinguishing powder

Unsuitable extinguishing media

- Full water jet

5.2. Special hazards arising from the substance or mixture

No information available.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

803(E) Industrial & Marine Solvent II

Revision date: 20.02.2023

Page 5 of 18

5.3. Advice for firefighters

Co-ordinate fire-fighting measures to the fire surroundings.
In case of fire: Wear self-contained breathing apparatus.

Special protective equipment for firefighters: Protective clothing.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Avoid contact with skin, eyes and clothes.
Safe handling: see section 7
Personal protection equipment: see section 8

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Cover drains.

6.3. Methods and material for containment and cleaning up

For containment

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Personal protection equipment: see section 8
Take off immediately all contaminated clothing and wash it before reuse.

Advice on protection against fire and explosion

No special measures are necessary.

Advice on general occupational hygiene

Only wear fitting, comfortable and clean protective clothing. Avoid contact with skin, eyes and clothes. Wash hands and face before breaks and after work and take a shower if necessary.
When using do not eat, drink or smoke.

Further information on handling

Wash hands before breaks and after work. Only wear fitting, comfortable and clean protective clothing. Used working clothes should not be worn outside the work area. Street clothing should be stored separately from work clothing.

7.2. Conditions for safe storage, including any incompatibilities

Safety Data Sheet

according to Regulation (EC) No 1907/2006

803(E) Industrial & Marine Solvent II

Revision date: 20.02.2023

Page 6 of 18

Requirements for storage rooms and vessels

- Store in a cool dry place. Keep container tightly closed.
- Keep/Store only in original container.
- Protect from direct sunlight.
- Protect against: Frost

Hints on joint storage

- Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions

- Keep away from:
- Frost
 - Heat
 - Humidity

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

| CAS No | Substance | ppm | mg/m ³ | fib/cm ³ | Category | Origin |
|------------|------------------------------------|-----|-------------------|---------------------|---------------|--------|
| 34590-94-8 | (2-Methoxymethylethoxy)-l-propanol | 50 | 308 | | TWA (8 h) | |
| 1310-58-3 | Potassium hydroxide | - | 2 | | STEL (15 min) | |

Safety Data Sheet

according to Regulation (EC) No 1907/2006

803(E) Industrial & Marine Solvent II

Revision date: 20.02.2023

Page 7 of 18

DNEL/DMEL values

| CAS No | Substance | Exposure route | Effect | Value |
|--------------------------|--|----------------|----------|-------------------------|
| 497-19-8 | sodium carbonate | | | |
| Consumer DNEL, acute | | inhalation | local | 10 mg/m ³ |
| Worker DNEL, long-term | | inhalation | local | 10 mg/m ³ |
| Consumer DNEL, long-term | | inhalation | local | 5 mg/m ³ |
| 54549-24-5 | Hexyl D-glucoside | | | |
| Worker DNEL, long-term | | inhalation | systemic | 420 mg/m ³ |
| Worker DNEL, long-term | | dermal | systemic | 595000 mg/kg bw/day |
| Consumer DNEL, long-term | | inhalation | systemic | 124 mg/m ³ |
| Consumer DNEL, long-term | | dermal | systemic | 357000 mg/kg bw/day |
| Consumer DNEL, long-term | | oral | systemic | 35,7 mg/kg bw/day |
| 34590-94-8 | (2-methoxymethylethoxy)propanol | | | |
| Worker DNEL, long-term | | inhalation | systemic | 308 mg/m ³ |
| Worker DNEL, long-term | | dermal | systemic | 283 mg/kg bw/day |
| Consumer DNEL, long-term | | inhalation | systemic | 37,2 mg/m ³ |
| Consumer DNEL, long-term | | dermal | systemic | 121 mg/kg bw/day |
| Consumer DNEL, long-term | | oral | systemic | 36 mg/kg bw/day |
| 1310-58-3 | potassium hydroxide; caustic potash | | | |
| Worker DNEL, long-term | | inhalation | local | 1 mg/m ³ |
| Consumer DNEL, long-term | | inhalation | local | 1 mg/m ³ |
| Worker DNEL, long-term | | inhalation | systemic | 1 mg/m ³ |
| Consumer DNEL, long-term | | inhalation | systemic | 1 mg/m ³ |
| 147170-44-3 | 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18(even numbered) and C18 unsaturated acyl) derivs., hydroxides, inner salts | | | |
| Consumer DNEL, long-term | | inhalation | systemic | 13,04 mg/m ³ |
| Consumer DNEL, long-term | | dermal | systemic | 7,5 mg/kg bw/day |
| Consumer DNEL, long-term | | oral | systemic | 7,5 mg/kg bw/day |
| Worker DNEL, long-term | | inhalation | systemic | 44 mg/m ³ |
| Worker DNEL, long-term | | dermal | systemic | 12,5 mg/kg bw/day |

Safety Data Sheet

according to Regulation (EC) No 1907/2006

803(E) Industrial & Marine Solvent II

Revision date: 20.02.2023

Page 8 of 18

PNEC values

| CAS No | Substance | Value |
|--|--|--------------|
| Environmental compartment | | |
| 54549-24-5 | Hexyl D-glucoside | |
| Freshwater | | 0,176 mg/l |
| Freshwater (intermittent releases) | | 4,2 mg/l |
| Marine water | | 0,018 mg/l |
| Freshwater sediment | | 0,722 mg/kg |
| Marine sediment | | 0,072 mg/kg |
| Secondary poisoning | | 111,11 mg/kg |
| Micro-organisms in sewage treatment plants (STP) | | 100 mg/l |
| Soil | | 0,654 mg/kg |
| 34590-94-8 | (2-methoxymethylethoxy)propanol | |
| Freshwater | | 19 mg/l |
| Freshwater (intermittent releases) | | 190 mg/l |
| Marine water | | 1,9 mg/l |
| Freshwater sediment | | 70,2 mg/kg |
| Marine sediment | | 7,02 mg/kg |
| Micro-organisms in sewage treatment plants (STP) | | 4168 mg/l |
| Soil | | 2,74 mg/kg |
| 147170-44-3 | 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18(even numbered) and C18 unsaturated acyl) derivs., hydroxides, inner salts | |
| Freshwater | | 0,013 mg/l |
| Marine water | | 0,001 mg/l |
| Freshwater sediment | | 14,8 mg/kg |
| Marine sediment | | 1,48 mg/kg |
| Micro-organisms in sewage treatment plants (STP) | | 3000 mg/l |
| Soil | | 0,8 mg/kg |

8.2. Exposure controls

Appropriate engineering controls

Provide adequate ventilation as well as local exhaust at critical locations.

Individual protection measures, such as personal protective equipment

Eye/face protection

Suitable eye protection:

- Eye glasses with side protection
- goggles

Safety Data Sheet

according to Regulation (EC) No 1907/2006

803(E) Industrial & Marine Solvent II

Revision date: 20.02.2023

Page 9 of 18

Hand protection

Tested protective gloves must be worn: EN ISO 374

NBR (Nitrile rubber),

Wearing time with permanent contact: Thickness of the glove material: $\geq 0,4$ mm, Breakthrough time: >480 min

Wearing time with occasional contact (splashes): Thickness of the glove material: $\geq 0,1$ mm, Breakthrough time: > 30 min

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Breakthrough times and swelling properties of the material must be taken into consideration.

Skin protection

Wear suitable protective clothing.

- Protective clothing,
- Rubber boots,
- Apron

Respiratory protection

Usually no personal respirative protection necessary.

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Filtering device (full mask or mouthpiece) with filter: A-P2

Thermal hazards

No data available

Environmental exposure controls

No special measures are necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Liquid, transparent
Colour: red

| | Test method |
|---|---------------------|
| Melting point/freezing point: | No data available |
| Boiling point or initial boiling point and boiling range: | 100 °C |
| Flammability | |
| Solid/liquid: | No data available |
| Lower explosion limits: | No data available |
| Upper explosion limits: | No data available |
| Flash point: | No data available |
| Auto-ignition temperature: | No data available |
| Decomposition temperature: | No data available |
| pH-Value: | 13,1 - 13,7 |
| Water solubility: | completely miscible |

Safety Data Sheet

according to Regulation (EC) No 1907/2006

803(E) Industrial & Marine Solvent II

Revision date: 20.02.2023

Page 10 of 18

Solubility in other solvents

No information available.

Partition coefficient n-octanol/water:

>1

Vapour pressure:

No data available

(at 20 °C)

Density (at 20 °C):

1,06 g/cm³

Relative vapour density:

>1 (air = 1)

9.2. Other information

Information with regard to physical hazard classes

Explosive properties

not explosive according to EU A.14

Self-ignition temperature

Solid:

No data available

Gas:

No data available

Oxidizing properties

No information available.

Other safety characteristics

Evaporation rate:

<1 (Ether = 1)

Sublimation point:

No data available

Softening point:

No data available

Pour point:

No data available

Viscosity / dynamic:

<50 mPa·s

(at 25 °C)

Further Information

No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is stable under storage at normal ambient temperatures.

10.2. Chemical stability

The substance is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

This material is considered to be non-reactive under normal use conditions.

10.4. Conditions to avoid

No information available.

10.5. Incompatible materials

Oxidising agent, strong,

- Aluminium

- Zinc

10.6. Hazardous decomposition products

- Nitrogen oxides (NO_x),

Safety Data Sheet

according to Regulation (EC) No 1907/2006

803(E) Industrial & Marine Solvent II

Revision date: 20.02.2023

Page 11 of 18

- Carbon dioxide (CO₂),
- Carbon monoxide

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Based on available data, the classification criteria are not met.

ATEmix calculated

ATE (oral) 20601,3 mg/kg

| CAS No | Chemical name | | | | |
|-------------|--|----------------------|---------|--|--|
| | Exposure route | Dose | Species | Source | Method |
| 497-19-8 | sodium carbonate | | | | |
| | oral | LD50 mg/kg 2800 | Rat | Study report (1978) | Groups of 5 male and 5 female rats were |
| | dermal | LD50 mg/kg > 2000 | Rabbit | Study report (1978) | other: EPA 16 CFR 1500.40 |
| 54549-24-5 | Hexyl D-glucoside | | | | |
| | oral | LD50 mg/kg > 2000 | Rat | Study report (2004) | OECD Guideline 423 |
| | dermal | LD50 mg/kg > 2000 | Rabbit | Study report (1987) | OECD Guideline 402 |
| 34590-94-8 | (2-methoxymethylethoxy)propanol | | | | |
| | oral | LD50 mg/kg > 5000 | Rat | Study report (1979) | OECD Guideline 401 |
| | dermal | LD50 mg/kg 9510 | Rabbit | Published in Am Ind Hyg Assoc J. 23: 95- | OECD Guideline 402 |
| 1310-58-3 | potassium hydroxide; caustic potash | | | | |
| | oral | LD50 mg/kg 333 | Rat | Fund. Appl. Toxicol., 8, 97-100 (1987) | OECD Guideline 425 |
| 147170-44-3 | 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18(even numbered) and C18 unsaturated acyl) derivs., hydroxides, inner salts | | | | |
| | oral | LD50 mg/kg 2335 | Rat | Study report (1977) | other: US Guideline: Appraisal of the Sa |
| | dermal | LD50 mg/kg > 2000 | Rat | Study report (1987) | OECD Guideline 402 |

Irritation and corrosivity

Causes severe skin burns and eye damage. (On basis of test data)

Causes serious eye damage. (On basis of test data)

Sensitising effects

Based on available data, the classification criteria are not met.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

803(E) Industrial & Marine Solvent II

Revision date: 20.02.2023

Page 12 of 18

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Endocrine disrupting properties

No data available

SECTION 12: Ecological information

12.1. Toxicity

Based on available data, the classification criteria are not met.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

803(E) Industrial & Marine Solvent II

Revision date: 20.02.2023

Page 13 of 18

| CAS No | Chemical name | | | | | |
|-------------|--|---------------------|-----------|--|----------------------------|--|
| | Aquatic toxicity | Dose | [h] [d] | Species | Source | Method |
| 497-19-8 | sodium carbonate | | | | | |
| | Acute fish toxicity | LC50 300 mg/l | 96 h | Lepomis macrochirus | REACH Registration Dossier | other: Recommendations of the Committee |
| | Acute algae toxicity | ErC50 > 800 mg/l | 72 h | Selenastrum capricornotum, Mycrocystystis aerugino | REACH Registration Dossier | other: United States Environmental Prote |
| | Acute crustacea toxicity | EC50 200 - 227 mg/l | 48 h | Ceriodaphnia sp. | REACH Registration Dossier | Method: method developed by NSW Environm |
| 54549-24-5 | Hexyl D-glucoside | | | | | |
| | Acute fish toxicity | LC50 420 mg/l | 96 h | Oncorhynchus mykiss | Study report (1998) | OECD Guideline 203 |
| | Acute algae toxicity | ErC50 435 mg/l | 72 h | Skeletonema costatum | Study report (2003) | ISO 10253 |
| | Acute crustacea toxicity | EC50 490 mg/l | 48 h | Daphnia magna | Study report (1998) | OECD Guideline 202 |
| | Fish toxicity | NOEC 1,8 mg/l | 28 d | Danio rerio | Study report (1995) | OECD Guideline 204 |
| | Crustacea toxicity | NOEC 2 mg/l | 21 d | Daphnia magna | Study report (1995) | other: OECD Guideline 202 Part II |
| 34590-94-8 | (2-methoxymethylethoxy)propanol | | | | | |
| | Acute fish toxicity | LC50 > 1000 mg/l | 96 h | Poecilia reticulata | Study report (1990) | OECD Guideline 203 |
| | Acute algae toxicity | ErC50 > 969 mg/l | 72 h | Raphidocelis subcapitata | Study report (2001) | OECD Guideline 201 |
| | Acute crustacea toxicity | EC50 1919 mg/l | 48 h | Daphnia magna | Study report (1979) | OECD Guideline 202 |
| | Crustacea toxicity | NOEC >= 0,5 mg/l | 22 d | Daphnia magna | Study report (1995) | OECD Guideline 211 |
| 1310-58-3 | potassium hydroxide; caustic potash | | | | | |
| | Acute fish toxicity | LC50 80 mg/l | 96 h | Gambusia affinis | IUCLID | |
| 147170-44-3 | 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18(even numbered) and C18 unsaturated acyl) derivs., hydroxides, inner salts | | | | | |
| | Acute fish toxicity | LC50 1,11 mg/l | 96 h | Cyprinodon variegatus | REACH Registration Dossier | OECD Guideline 203 |
| | Acute algae toxicity | ErC50 ca. 8 mg/l | 96 h | Raphidocelis subcapitata | Study report (1991) | OECD Guideline 201 |

Safety Data Sheet

according to Regulation (EC) No 1907/2006

803(E) Industrial & Marine Solvent II

Revision date: 20.02.2023

Page 14 of 18

| | | | | | | | |
|--|--------------------------|----------------|-------|------|--|------------------------|-----------------------|
| | Acute crustacea toxicity | EC50 mg/l | 19,38 | 48 h | other aquatic crustacea: Acartia tonsa | Study report (2008) | other: ISO 14669 |
| | Fish toxicity | NOEC mg/l | 0,135 | 37 d | Oncorhynchus mykiss | Study report (2008) | OECD Guideline 210 |
| | Crustacea toxicity | NOEC mg/l | 0,32 | 21 d | Daphnia magna | Study report (1990) | OECD Guideline 211 |
| | Acute bacteria toxicity | (EC50 mg/l) | >6000 | | | | ISO 10712 |

12.2. Persistence and degradability

| CAS No | Chemical name | | | |
|-------------|--|-------|----|--------|
| | Method | Value | d | Source |
| | Evaluation | | | |
| 34590-94-8 | (2-methoxymethylethoxy)propanol | | | |
| | OECD 301F | 76% | 28 | |
| | Readily biodegradable (according to OECD criteria). | | | |
| 147170-44-3 | 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18(even numbered) and C18 unsaturated acyl) derivs., hydroxides, inner salts | | | |
| | | >87% | 28 | |
| | Readily biodegradable (according to OECD criteria). | | | |

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water

| CAS No | Chemical name | Log Pow |
|-------------|--|---------|
| 54549-24-5 | Hexyl D-glucoside | 1,72 |
| 34590-94-8 | (2-methoxymethylethoxy)propanol | 0,004 |
| 147170-44-3 | 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18(even numbered) and C18 unsaturated acyl) derivs., hydroxides, inner salts | 4,44 |

BCF

| CAS No | Chemical name | BCF | Species | Source |
|-------------|--|-----|---------|----------------------|
| 147170-44-3 | 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18(even numbered) and C18 unsaturated acyl) derivs., hydroxides, inner salts | 3 | | Environ Toxicol Chem |

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Endocrine disrupting properties

Safety Data Sheet

according to Regulation (EC) No 1907/2006

803(E) Industrial & Marine Solvent II

Revision date: 20.02.2023

Page 15 of 18

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Dispose of waste according to applicable legislation.

Contaminated packaging

Non-contaminated packages may be recycled. Packing which cannot be properly cleaned must be disposed of.

Dispose of waste according to applicable legislation.

SECTION 14: Transport information

Land transport (ADR/RID)

| | |
|---|------------------------------|
| <u>14.1. UN number or ID number:</u> | UN 1814 |
| <u>14.2. UN proper shipping name:</u> | POTASSIUM HYDROXIDE SOLUTION |
| <u>14.3. Transport hazard class(es):</u> | 8 |
| <u>14.4. Packing group:</u> | II |
| Hazard label: | 8 |
| Classification code: | C5 |
| Limited quantity: | 1 L |
| Excepted quantity: | E2 |
| Transport category: | 2 |
| Hazard No: | 80 |
| Tunnel restriction code: | E |

Inland waterways transport (ADN)

| | |
|---|------------------------------|
| <u>14.1. UN number or ID number:</u> | UN 1814 |
| <u>14.2. UN proper shipping name:</u> | POTASSIUM HYDROXIDE SOLUTION |
| <u>14.3. Transport hazard class(es):</u> | 8 |
| <u>14.4. Packing group:</u> | II |
| Hazard label: | 8 |
| Classification code: | C5 |
| Limited quantity: | 1 L |
| Excepted quantity: | E2 |

Marine transport (IMDG)

| | |
|---|------------------------------|
| <u>14.1. UN number or ID number:</u> | UN 1814 |
| <u>14.2. UN proper shipping name:</u> | POTASSIUM HYDROXIDE SOLUTION |
| <u>14.3. Transport hazard class(es):</u> | 8 |
| <u>14.4. Packing group:</u> | II |
| Hazard label: | 8 |
| Special Provisions: | - |

Safety Data Sheet

according to Regulation (EC) No 1907/2006

803(E) Industrial & Marine Solvent II

Revision date: 20.02.2023

Page 16 of 18

Limited quantity: 1 L
 Excepted quantity: E2
 EmS: F-A, S-B
 Segregation group: 18 - alkalis

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: UN 1814
14.2. UN proper shipping name: POTASSIUM HYDROXIDE SOLUTION
14.3. Transport hazard class(es): 8
14.4. Packing group: II
 Hazard label: 8
 Special Provisions: A3 A803
 Limited quantity Passenger: 0.5 L
 Passenger LQ: Y840
 Excepted quantity: E2
 IATA-packing instructions - Passenger: 851
 IATA-max. quantity - Passenger: 1 L
 IATA-packing instructions - Cargo: 855
 IATA-max. quantity - Cargo: 30 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No information available.

14.7. Maritime transport in bulk according to IMO instruments

No information available.

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII):
 Entry 3, Entry 75

National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).
 Water hazard class (D): 1 - slightly hazardous to water

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

sodium carbonate
 Hexyl D-glucoside
 (2-methoxymethylethoxy)propanol
 potassium hydroxide; caustic potash
 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18(even numbered) and C18 unsaturated

Safety Data Sheet

according to Regulation (EC) No 1907/2006

803(E) Industrial & Marine Solvent II

Revision date: 20.02.2023

Page 17 of 18

acyl) derivs., hydroxides, inner salts

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 2,4,5,6,7,8,10,11,12,13,14,15.

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route
 (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer
 (Regulations Concerning the International Transport of Dangerous Goods by Rail)
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
 ICAO: International Civil Aviation Organization
 ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
 CLP: Classification, labelling and Packaging
 REACH: Registration, Evaluation and Authorization of Chemicals
 GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals
 UN: United Nations
 CAS: Chemical Abstracts Service
 DNEL: Derived No Effect Level
 DMEL: Derived Minimal Effect Level
 PNEC: Predicted No Effect Concentration
 ATE: Acute toxicity estimate
 LC50: Lethal concentration, 50%
 LD50: Lethal dose, 50%
 LL50: Lethal loading, 50%
 EL50: Effect loading, 50%
 EC50: Effective Concentration 50%
 ErC50: Effective Concentration 50%, growth rate
 NOEC: No Observed Effect Concentration
 BCF: Bio-concentration factor
 PBT: persistent, bioaccumulative, toxic
 vPvB: very persistent, very bioaccumulative
 MARPOL: International Convention for the Prevention of Marine Pollution from Ships
 IBC: Intermediate Bulk Container
 SVHC: Substance of Very High Concern

Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]

| Classification | Classification procedure |
|--------------------|--------------------------|
| Skin Corr. 1; H314 | On basis of test data |
| Eye Dam. 1; H318 | On basis of test data |

Relevant H and EUH statements (number and full text)

H302 Harmful if swallowed.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

803(E) Industrial & Marine Solvent II

Revision date: 20.02.2023

Page 18 of 18

| | |
|------|--|
| H314 | Causes severe skin burns and eye damage. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H412 | Harmful to aquatic life with long lasting effects. |

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)