

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 28 Jun 2022

Print date: 21 Sep 2022

Version: 0.3

FSG Schäfer GmbH

Instandsetzungs-Materialien für Möbeloberflächen



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FSG-VOCmatic Aqua AS

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

1.1. Product identifier

Trade name/designation:

FSG-VOCmatic Aqua AS

Article No.:

RE15001

UFI:

8WHA-Q1U3-700Y-TYUW

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

Use of the substance/mixture:

Cleaner

Relevant identified uses:

Life cycle stage [LCS]

IS: Use at industrial sites

C: Consumer use

Sector of uses [SU]

SU 18: Manufacture of furniture

Product Categories [PC]

PC 35: Washing and cleaning products

Process categories [PROC]

PROC 7: Industrial spraying

Environmental release categories [ERC]

ERC 6b: Use of reactive processing aid at industrial site (no inclusion into or onto article)

Article categories [AC]

AC 11e: Wood articles: Furniture & furnishings

1.3. Details of the supplier of the safety data sheet

Manufacturer:

FSG Schäfer GmbH

Boschstraße 14

48703 Stadthohe

GERMANY

Telephone: +49 (0) 25 63 - 93 95 - 0

Telefax: +49 (0) 25 63 - 93 95 - 25

E-mail: verkauf@fsg-schaefer.de

Website: www.fsg-schaefer.de

E-mail (competent person): sdb@fsg-schaefer.de

Only for information: National Poisons Information Service (Birmingham Unit): 844 892 0111

1.4. Emergency telephone number

24h: Emergency Action: In the event of a medical enquiry involving this product, please contact your doctor or local hospital accident and emergency department., Office FSG: +49 (0) 2563 93950. (Only available during office hours.)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Hazard classes and hazard categories	Hazard statements	Classification procedure
Hazardous to the aquatic environment (Aquatic Chronic 3)	H412: Harmful to aquatic life with long lasting effects.	

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2.2. Label elements

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

According to EC directives or the corresponding national regulations the product does not have to be labelled.

Hazard statements for environmental hazards

H412	Harmful to aquatic life with long lasting effects.
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Supplemental hazard information: none

Precautionary statements Prevention

P273	Avoid release to the environment.
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Precautionary statements Disposal

P501	Dispose of contents/container to Disposal methods.
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Special rules for supplemental label elements for certain mixtures:

41,6 % percent of the mixture consists of ingredient(s) of unknown acute toxicity (dermal).

98,8 % percent of the mixture consists of ingredient(s) of unknown acute toxicity (inhalative).

2.3. Other hazards

No data available

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Description:

Mixture of following listed substances with nonhazardous additions.

Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
REACH No.: 01-2119475445-32-XXXX	Dibasic ester The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].	24 - ≤ 40 weight-%
CAS No.: 577-11-7 EC No.: 209-406-4 REACH No.: 01-2119491296-29	docusate sodium The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].	1 - ≤ 2.45 weight-%
CAS No.: 68439-50-9 EC No.: 500-213-3	Alcohols, C12-14, ethoxylated Aquatic Acute 1 (H400), Aquatic Chronic 3 (H412) Warning	0 - ≤ 0.4 weight-%
CAS No.: 64-17-5 EC No.: 200-578-6 Index No.: 603-002-00-5	ethanol Flam. Liq. 2 (H225) Danger	0 - ≤ 0.249995 weight-%
CAS No.: 5392-40-5 EC No.: 226-394-6 Index No.: 605-019-00-3	citral Skin Irrit. 2 (H315), Skin Sens. 1 (H317) Warning	0 - < 0.08 weight-%

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended.

Following inhalation:

Provide fresh air.

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After eye contact:

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.

Following ingestion:

Rinse mouth. Get medical advice/attention if you feel unwell. Let 1 glass of water be drunken in little sips (dilution effect).

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

No data available

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water spray jet, alcohol resistant foam, Extinguishing powder, Carbon dioxide (CO₂).

Unsuitable extinguishing media:

Full water jet.

5.2. Special hazards arising from the substance or mixture

Combustible.

Hazardous combustion products:

In case of fire may be liberated: Carbon dioxide (CO₂), Carbon monoxide, Pyrolysis products, toxic, carbon black.

In case of fire: Gases/vapours, toxic.

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4. 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

6.1.1. For non-emergency personnel

Personal precautions:

Special danger of slipping by leaking/spilling product. Keep locked up and out of reach of children. Remove persons to safety.

Protective equipment:

Wear protective gloves/protective clothing/eye protection/face protection.

6.1.2. For emergency responders

Personal protection equipment:

Personal protection equipment: see section 8.

6.2. Environmental precautions

Discharge into the environment must be avoided. Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For containment:

Soak up inert absorbent and dispose as waste requiring special attention.

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

For cleaning up:

Clean with detergents. Avoid solvent cleaners. Water (with cleaning agent).

6.4. Reference to other sections

Safe handling: see section 7.

Personal protection equipment: see section 8.

Disposal: see section 13.

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6.5. Additional information

Use appropriate container to avoid environmental contamination.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Do not breathe gas/fumes/vapour/spray. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protection equipment (refer to section 8). Keep out of reach of children.

Fire prevent measures:

Highly flammable liquid and vapour. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge.

Environmental precautions:

Discharge into the environment must be avoided.

Advices on general occupational hygiene

Wash hands before breaks and after work. After cleaning apply high-fat content skin care cream. When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Keep only in the original container in a cool, well-ventilated place. Keep container tightly closed in a cool, well-ventilated place.

Packaging materials:

Keep/Store only in original container.

Requirements for storage rooms and vessels:

Soils have to conform to the "Guidelines for avoidance of ignition hazards due to electrostatic charges (TRGS 727)".

Hints on storage assembly:

Keep/Store away from combustible materials.

Do not store together with:

Combustible substances of acute toxicity, category 1 and 2 / very toxic substances

Non-combustible substances of acute toxicity, category 1 and 2 / very toxic substances

Combustible substances of acute toxicity, category 3 / hazardous substances that are toxic or produce chronic effects

Non-combustible substances of acute toxicity, category 3 / hazardous substances that are toxic or produce chronic effects

Further information on storage conditions:

Protect from sunlight. Store in a well-ventilated place.

7.3. Specific end use(s)

Recommendation:

Detergents and cleaning products (including solvent based),

Commercial use of general purpose surface cleaners. If possible, do not use for spraying.

Industrial sector specific solutions:

Basic cleaner, unlabelled, contains solvents.

GISCODE:

GG20

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
IE	ethanol CAS No.: 64-17-5 EC No.: 200-578-6	② 1,000 ppm
WEL (GB)	ethanol CAS No.: 64-17-5 EC No.: 200-578-6	① 1,000 ppm (1,920 mg/m ³)
IE	citral CAS No.: 5392-40-5 EC No.: 226-394-6	① 5 ppm ⑤ (inhalable fraction and vapour)

8.1.2. Biological limit values

No data available

8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
Dibasic ester	8.3 mg/m ³	① DNEL worker ② Long-term - inhalation, systemic effects
Dibasic ester	5 mg/m ³	① DNEL Consumer ② Long-term - inhalation, systemic effects
docusate sodium CAS No.: 577-11-7 EC No.: 209-406-4	44.1 mg/cm ²	① DNEL worker ② Long-term - inhalation, systemic effects
docusate sodium CAS No.: 577-11-7 EC No.: 209-406-4	13 mg/cm ²	① DNEL Consumer ② Long-term - inhalation, systemic effects
docusate sodium CAS No.: 577-11-7 EC No.: 209-406-4	31.3 mg/kg	① DNEL worker ② Long-term - dermal, systemic effects
docusate sodium CAS No.: 577-11-7 EC No.: 209-406-4	18.8 mg/kg	① DNEL Consumer ② Long-term - dermal, systemic effects
docusate sodium CAS No.: 577-11-7 EC No.: 209-406-4	18.8 mg/kg	① DNEL Consumer ② Long-term - oral, systemic effects
Alcohols, C12-14, ethoxylated CAS No.: 68439-50-9 EC No.: 500-213-3	294 mg/m ³	① DNEL worker ② Long-term - inhalation, systemic effects
Alcohols, C12-14, ethoxylated CAS No.: 68439-50-9 EC No.: 500-213-3	87 mg/m ³	① DNEL Consumer ② Long-term - inhalation, systemic effects
Alcohols, C12-14, ethoxylated CAS No.: 68439-50-9 EC No.: 500-213-3	2,080 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
Alcohols, C12-14, ethoxylated CAS No.: 68439-50-9 EC No.: 500-213-3	1,250 mg/kg bw/day	① DNEL Consumer ② Long-term - dermal, systemic effects

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Substance name	DNEL value	① DNEL type ② Exposure route
Alcohols, C12-14, ethoxylated CAS No.: 68439-50-9 EC No.: 500-213-3	25 mg/kg bw/day	① DNEL Consumer ② Long-term - oral, systemic effects
Quaternary ammonium compounds, C12-14 (even- numbered) - alkylethyldimethyl, ethylsulphate EC No.: 939-607-9	3.32 mg/m ³	① DNEL worker ② Long-term - inhalation, systemic effects
Quaternary ammonium compounds, C12-14 (even- numbered) - alkylethyldimethyl, ethylsulphate EC No.: 939-607-9	0.98 mg/m ³	① DNEL Consumer ② Long-term - inhalation, systemic effects
Quaternary ammonium compounds, C12-14 (even- numbered) - alkylethyldimethyl, ethylsulphate EC No.: 939-607-9	4.7 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
Quaternary ammonium compounds, C12-14 (even- numbered) - alkylethyldimethyl, ethylsulphate EC No.: 939-607-9	2.83 mg/kg bw/day	① DNEL Consumer ② Long-term - dermal, systemic effects
Quaternary ammonium compounds, C12-14 (even- numbered) - alkylethyldimethyl, ethylsulphate EC No.: 939-607-9	2.83 mg/kg bw/day	① DNEL Consumer ② Long-term - oral, systemic effects
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	950 mg/m ³	① DNEL worker ② Long-term - inhalation, systemic effects
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	114 mg/m ³	① DNEL Consumer ② Long-term - inhalation, systemic effects
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	1,900 mg/m ³	① DNEL worker ② Acute - inhalation, local effects
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	950 mg/m ³	① DNEL Consumer ② Acute - inhalation, local effects
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	343 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	206 mg/kg bw/day	① DNEL Consumer ② Long-term - dermal, systemic effects
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	87 mg/kg bw/day	① DNEL worker ② Long-term - oral, systemic effects
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	87 mg/kg bw/day	① DNEL worker ② Acute - oral, systemic effects
citral CAS No.: 5392-40-5 EC No.: 226-394-6	9 mg/m ³	① DNEL worker ② Long-term - inhalation, systemic effects
citral CAS No.: 5392-40-5 EC No.: 226-394-6	2.7 mg/m ³	① DNEL Consumer ② Long-term - inhalation, systemic effects
citral CAS No.: 5392-40-5 EC No.: 226-394-6	1.7 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
citral CAS No.: 5392-40-5 EC No.: 226-394-6	1 mg/kg bw/day	① DNEL Consumer ② Long-term - dermal, systemic effects

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Substance name	DNEL value	① DNEL type ② Exposure route
citral CAS No.: 5392-40-5 EC No.: 226-394-6	0.14 mg/cm ²	① DNEL worker ② Long-term - dermal, local effects
citral CAS No.: 5392-40-5 EC No.: 226-394-6	0.14 mg/cm ²	① DNEL Consumer ② Long-term - dermal, local effects
citral CAS No.: 5392-40-5 EC No.: 226-394-6	0.6 mg/kg bw/day	① DNEL Consumer ② Long-term - oral, systemic effects
butane-1,4-diol CAS No.: 110-63-4 EC No.: 203-786-5	136 mg/m ³	① DNEL worker ② Long-term - inhalation, systemic effects
butane-1,4-diol CAS No.: 110-63-4 EC No.: 203-786-5	29 mg/m ³	① DNEL Consumer ② Long-term - inhalation, systemic effects
butane-1,4-diol CAS No.: 110-63-4 EC No.: 203-786-5	958 mg/m ³	① DNEL worker ② Acute - inhalation, systemic effects
butane-1,4-diol CAS No.: 110-63-4 EC No.: 203-786-5	340 mg/m ³	① DNEL Consumer ② Acute - inhalation, systemic effects
butane-1,4-diol CAS No.: 110-63-4 EC No.: 203-786-5	19 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
butane-1,4-diol CAS No.: 110-63-4 EC No.: 203-786-5	8 mg/kg bw/day	① DNEL Consumer ② Long-term - dermal, systemic effects

Substance name	PNEC Value	① PNEC type
Dibasic ester	0.031 mg/L	① PNEC aquatic, freshwater
Dibasic ester	10 mg/L	① PNEC sewage treatment plant
Dibasic ester	0.15 mg/kg bw/day	① PNEC sediment, freshwater
Dibasic ester	0.015 mg/kg bw/day	① PNEC sediment, marine water
Dibasic ester	0.113 mg/L	① PNEC soil
Dibasic ester	0.31 mg/L	① PNEC aquatic, intermittent release
2,2-dimethyl-1,3-dioxolan-4-ylmethanol CAS No.: 100-79-8 EC No.: 202-888-7	200 µg/L	① PNEC aquatic, freshwater
2,2-dimethyl-1,3-dioxolan-4-ylmethanol CAS No.: 100-79-8 EC No.: 202-888-7	200 µg/L	① PNEC aquatic, marine water
2,2-dimethyl-1,3-dioxolan-4-ylmethanol CAS No.: 100-79-8 EC No.: 202-888-7	10 mg/L	① PNEC sewage treatment plant
2,2-dimethyl-1,3-dioxolan-4-ylmethanol CAS No.: 100-79-8 EC No.: 202-888-7	1.183 mg/kg	① PNEC sediment, freshwater
2,2-dimethyl-1,3-dioxolan-4-ylmethanol CAS No.: 100-79-8 EC No.: 202-888-7	118.3 mg/kg	① PNEC sediment, marine water
2,2-dimethyl-1,3-dioxolan-4-ylmethanol CAS No.: 100-79-8 EC No.: 202-888-7	2.5 mg/kg	① PNEC soil

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Substance name	PNEC Value	① PNEC type
2,2-dimethyl-1,3-dioxolan-4-ylmethanol CAS No.: 100-79-8 EC No.: 202-888-7	90 µg/L	① PNEC aquatic, intermittent release
docusate sodium CAS No.: 577-11-7 EC No.: 209-406-4	0.0066 mg/L	① PNEC aquatic, freshwater
docusate sodium CAS No.: 577-11-7 EC No.: 209-406-4	0.00066 mg/L	① PNEC aquatic, marine water
docusate sodium CAS No.: 577-11-7 EC No.: 209-406-4	122 mg/L	① PNEC sewage treatment plant
docusate sodium CAS No.: 577-11-7 EC No.: 209-406-4	0.653 mg/kg	① PNEC sediment, freshwater
docusate sodium CAS No.: 577-11-7 EC No.: 209-406-4	0.138 mg/kg	① PNEC soil, freshwater
Alcohols, C12-14, ethoxylated CAS No.: 68439-50-9 EC No.: 500-213-3	74.5 µg/L	① PNEC aquatic, freshwater
Alcohols, C12-14, ethoxylated CAS No.: 68439-50-9 EC No.: 500-213-3	7.5 µg/L	① PNEC aquatic, marine water
Alcohols, C12-14, ethoxylated CAS No.: 68439-50-9 EC No.: 500-213-3	10,000 mg/L	① PNEC sewage treatment plant
Alcohols, C12-14, ethoxylated CAS No.: 68439-50-9 EC No.: 500-213-3	66.67 mg/kg	① PNEC sediment, freshwater
Alcohols, C12-14, ethoxylated CAS No.: 68439-50-9 EC No.: 500-213-3	6.66 mg/kg	① PNEC sediment, marine water
Alcohols, C12-14, ethoxylated CAS No.: 68439-50-9 EC No.: 500-213-3	1 mg/kg bw/ day	① PNEC soil
Alcohols, C12-14, ethoxylated CAS No.: 68439-50-9 EC No.: 500-213-3	4 µg/L	① PNEC aquatic, intermittent release
Quaternary ammonium compounds, C12-14 (even- numbered) - alkylethyldimethyl, ethylsulphate EC No.: 939-607-9	0.00068 mg/L	① PNEC aquatic, freshwater
Quaternary ammonium compounds, C12-14 (even- numbered) - alkylethyldimethyl, ethylsulphate EC No.: 939-607-9	0.000068 mg/ L	① PNEC aquatic, marine water
Quaternary ammonium compounds, C12-14 (even- numbered) - alkylethyldimethyl, ethylsulphate EC No.: 939-607-9	0.9 mg/L	① PNEC sewage treatment plant
Quaternary ammonium compounds, C12-14 (even- numbered) - alkylethyldimethyl, ethylsulphate EC No.: 939-607-9	9.27 mg/kg	① PNEC sediment, freshwater
Quaternary ammonium compounds, C12-14 (even- numbered) - alkylethyldimethyl, ethylsulphate EC No.: 939-607-9	0.927 mg/kg	① PNEC sediment, marine water

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Substance name	PNEC Value	① PNEC type
Quaternary ammonium compounds, C12-14 (even- numbered) - alkylethyldimethyl, ethylsulphate EC No.: 939-607-9	7 mg/kg	① PNEC soil
Quaternary ammonium compounds, C12-14 (even- numbered) - alkylethyldimethyl, ethylsulphate EC No.: 939-607-9	0.00036 mg/L	① PNEC aquatic, intermittent release
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	0.96 mg/L	① PNEC aquatic, freshwater
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	0.76 mg/L	① PNEC aquatic, marine water
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	580 mg/L	① PNEC sewage treatment plant
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	3.6 mg/kg	① PNEC sediment, freshwater
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	0.63 mg/kg	① PNEC soil, freshwater
citral CAS No.: 5392-40-5 EC No.: 226-394-6	6.78 µg/L	① PNEC aquatic, freshwater
citral CAS No.: 5392-40-5 EC No.: 226-394-6	0.678 µg/L	① PNEC aquatic, marine water
citral CAS No.: 5392-40-5 EC No.: 226-394-6	1.6 mg/L	① PNEC sewage treatment plant
citral CAS No.: 5392-40-5 EC No.: 226-394-6	0.125 mg/kg	① PNEC sediment, freshwater
citral CAS No.: 5392-40-5 EC No.: 226-394-6	0.0125 mg/kg	① PNEC sediment, marine water
citral CAS No.: 5392-40-5 EC No.: 226-394-6	0.0209 mg/kg	① PNEC soil
citral CAS No.: 5392-40-5 EC No.: 226-394-6	67.8 µg/L	① PNEC aquatic, intermittent release
butane-1,4-diol CAS No.: 110-63-4 EC No.: 203-786-5	813 µg/L	① PNEC aquatic, freshwater
butane-1,4-diol CAS No.: 110-63-4 EC No.: 203-786-5	81.3 µg/L	① PNEC aquatic, marine water
butane-1,4-diol CAS No.: 110-63-4 EC No.: 203-786-5	1.554 g/m ³	① PNEC sewage treatment plant
butane-1,4-diol CAS No.: 110-63-4 EC No.: 203-786-5	3.61 mg/kg	① PNEC sediment, freshwater
butane-1,4-diol CAS No.: 110-63-4 EC No.: 203-786-5	0.361 mg/kg	① PNEC sediment, marine water

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Substance name	PNEC Value	① PNEC type
butane-1,4-diol CAS No.: 110-63-4 EC No.: 203-786-5	8.13 mg/L	① PNEC aquatic, intermittent release

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment.

8.2.2. Personal protection equipment

Eye/face protection:

Eye glasses with side protection EN 166.

Skin protection:

In full contact: Tested protective gloves must be worn EN ISO 374 Suitable material: Butyl caoutchouc (butyl rubber), NBR (Nitrile rubber), Thickness of the glove material >0,4 mm, Breakthrough time: > 120 min.

Check leak tightness/impermeability prior to use.

In the case of wanting to use the gloves again, clean them before taking off and air them well.

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

Respiratory protection:

Respiratory protection necessary at: In full contact. Filtering device with filter or ventilator filtering device of type: A.

Thermal hazards:

Risk of explosion if heated under confinement.

Other protection measures:

Wear protective gloves/protective clothing.

8.2.3. Environmental exposure controls

No data available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Liquid

Colour: colourless

Odour: ester

Safety relevant basis data

Parameter	Value	① Method ② Remark
pH	not determined	
Melting point	not determined	
Freezing point	not determined	
Initial boiling point and boiling range	196 °C	
Decomposition temperature	not determined	
Flash point	100 °C	
Evaporation rate	not determined	
Auto-ignition temperature	not determined	
Upper/lower flammability or explosive limits	not determined	
Vapour pressure	not determined	
Vapour density	not determined	
Density	1.08 g/cm ³	
Relative density	not determined	
Bulk density	not determined	
Water solubility	miscible	

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Parameter	Value	① Method ② Remark
Partition coefficient: n-octanol/water	not determined	
Dynamic viscosity	not determined	
Kinematic viscosity	not determined	

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

Do not spray on an open flame or other ignition source. Combustible.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions/ Exothermic reaction with: Acids, Light metal (Formation of: Hydrogen).

10.4. Conditions to avoid

Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.

10.5. Incompatible materials

Oxidizing agent.

10.6. Hazardous decomposition products

Gases/vapours, toxic.

SECTION 11: Toxicological information

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

Alcohols, C12-14, ethoxylated	CAS No.: 68439-50-9	EC No.: 500-213-3
LD ₅₀ oral: 2,000 mg/kg		

Acute oral toxicity:

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

Acute dermal toxicity:

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

Acute inhalation toxicity:

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

Skin corrosion/irritation:

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

Serious eye damage/irritation:

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

Respiratory or skin sensitisation:

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

Germ cell mutagenicity:

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

Carcinogenicity:

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

Reproductive toxicity:

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.

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Additional information:

No data available

11.2. Information on other hazards

No data available

SECTION 12: Ecological information

12.1. Toxicity

Alcohols, C12-14, ethoxylated CAS No.: 68439-50-9 EC No.: 500-213-3

LC₅₀: 1.2 mg/L 4 d (fish)

NOEC: 0.11 – 0.33 mg/L 28 d (fish)

EC₅₀: 0.53 mg/L 2 d (crustaceans)

NOEC: 0.77 – 1.75 mg/L 21 d (crustaceans)

EC₅₀: 0.0341 – 3.1 mg/L 3 d (Algae/water plant)

Aquatic toxicity:

Harmful to aquatic life with long lasting effects.

12.2. Persistence and degradability

Alcohols, C12-14, ethoxylated CAS No.: 68439-50-9 EC No.: 500-213-3

Biodegradation: Yes, rapidly

Biodegradation:

Part of the components is biodegradable.

12.3. Bioaccumulative potential

Alcohols, C12-14, ethoxylated CAS No.: 68439-50-9 EC No.: 500-213-3

Log K_{ow}: 4.68

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

Alcohols, C12-14, ethoxylated CAS No.: 68439-50-9 EC No.: 500-213-3

Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

12.6. Endocrine disrupting properties

No data available

12.7. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product

14 06 03 * other solvents and solvent mixtures

*: Evidence for disposal must be provided.

Directive 2008/98/EC (Waste Framework Directive)

HP 2 Oxidising

Waste code packaging

15 01 06 mixed packaging

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Waste treatment options

Appropriate disposal / Product:

Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal.

Appropriate disposal / Package:

Completely emptied packages can be recycled.

Other disposal recommendations:

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

13.2. Additional information

Return to Distributor..

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN number or ID number			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.3. Transport hazard class(es)			
not relevant	not relevant	not relevant	not relevant
14.4. Packing group			
not relevant	not relevant	not relevant	not relevant
14.5. Environmental hazards			
not relevant	not relevant	not relevant	not relevant
14.6. Special precautions for user			
not relevant	not relevant	not relevant	not relevant

14.7. Maritime transport in bulk according to IMO instruments

not determined

SECTION 15: Regulatory information

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

15.1.1. EU legislation

Other regulations (EU):

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]: This product is not assigned to a hazard category.

Directive 2004/42/EC on the limitation of emissions of volatile organic compounds:

Volatile organic compounds (VOC) content in percent by weight: 15.3 weight-%

15.1.2. National regulations

[GB] National regulations

Other regulations, restrictions and prohibition regulations

Regulation 1005/2009/EC on substances that deplete the ozone layer (ODS)

Regulation 850/2004/EC on persistent organic pollutants (POP)

Regulation 649/2012/EU concerning the export and import of hazardous chemicals (PIC)

15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

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SECTION 16: Other information

16.1. Indication of changes

No data available

16.2. Abbreviations and acronyms

No data available

16.3. Key literature references and sources for data

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

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

Hazard classes and hazard categories	Hazard statements	Classification procedure
Hazardous to the aquatic environment (Aquatic Chronic 3)	H412: Harmful to aquatic life with long lasting effects.	

16.5. Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements	
H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

16.6. Training advice

No data available

16.7. Additional information

The information provided in this safety data sheet is correct to the best of our knowledge at the time of going to press. This information is intended to provide guidance for the safe handling, storage, processing, transport and disposal of the product mentioned in this safety data sheet. The information is not transferable to other products. If the product is mixed with other materials, mixed or processed, or subjected to processing, the data contained in this safety data sheet can not be transferred to the new material thus produced unless otherwise expressly stated otherwise.