

SAFETY DATA SHEET

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

Revision date: 10 May 2021

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Version: 8.1

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

* **1.1. Product identifier**

Trade name/designation:

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

Use of the substance/mixture:

Washing and cleaning products

Relevant identified uses:

Life cycle stage [LCS]

PW: Widespread use by professional workers

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

etol Eberhard Tripp GmbH

Labor

Allerheiligenstr. 12

77728 Oppenau

Germany

Telephone: +49(0)7804/41-0

Telefax: +49(0)7804/41-168

E-mail: info@etol.de

Website: www.etol.de

E-mail (competent person): wolfgang.gauss@etol.de

1.4. Emergency telephone number

Wolfgang Gauss, +49(0)7804/41-167 (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]-:

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP]-.

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: -

Supplemental hazard information

EUH208

Contains 2-methyl-2H-isothiazol-3-one. May produce an allergic reaction.

Precautionary statements: -

2.3. Other hazards

No data available

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SECTION 3: Composition / information on ingredients

3.2. Mixtures

Hazardous ingredients / Hazardous impurities / Stabilisers:

product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 160875-66-1	fatty alcohol ethoxylate Eye Dam. 1 Danger H318 Specific concentration limit (SCL): Eye Dam. 1; H318: 55% ≤ C < 100%	1 - 5 weight-%
CAS No.: 67-63-0 EC No.: 200-661-7 REACH No.: 01-2119457558-25	Propan-2-ol Eye Irrit. 2, Flam. Liq. 2, STOT SE 3 Danger H225-H319-H336	1 - 5 weight-%
CAS No.: 5131-66-8 EC No.: 225-878-4 REACH No.: 01-2119475527-28	3-Butoxy-2-propanol Eye Irrit. 2, Skin Irrit. 2 Warning H315-H319	1 - 5 weight-%
CAS No.: 68515-73-1 REACH No.: 01-2119488530-36	alkyl polyglycoside C8-10 Eye Dam. 1 Danger H318 Specific concentration limit (SCL): Eye Dam. 1; H318: 55% ≤ C < 100%	1 - 5 weight-%
CAS No.: 73296-89-6 EC No.: 277-362-3 REACH No.: 01-2119489464-26	Sulfuric acid, mono-C12-16-alkyl esters, sodium salts Aquatic Chronic 3, Eye Dam. 1, Skin Irrit. 2 Danger H315-H318-H412 Specific concentration limit (SCL): Skin Irrit. 2; H315: 10% ≤ C < 20% Eye Dam. 1; H318: 20% ≤ C < 100%	1 - 5 weight-%
CAS No.: 2682-20-4 EC No.: 220-239-6 REACH No.: 01-2120764690-50	2-methyl-2H-isothiazol-3-one Acute Tox. 2, Acute Tox. 3, Aquatic Acute 1, Aquatic Chronic 1, Eye Dam. 1, Skin Corr. 1B, Skin Sens. 1A Danger H301-H311-H314-H317-H330-H410-EUH071 M-factor (acute): 10 M-factor (chronic): 1 Specific concentration limit (SCL): Skin Sens. 1A; H317: C ≥ 0.002%	0 - ≤ 0.0015 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.

In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap.

Following ingestion:

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

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

No known symptoms to date.

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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:

Co-ordinate fire-fighting measures to the fire surroundings.

Water

Extinguishing powder

Carbon dioxide (CO₂)

5.2. Special hazards arising from the substance or mixture

The product itself does not burn.

Hazardous combustion products:

Carbon dioxide (CO₂)

Carbon monoxide

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:

Remove persons to safety. Avoid breathing dust/fume/gas/mist/vapours/spray.

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

Do not allow to enter into surface water or 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).

For cleaning up:

Water

6.4. Reference to other sections

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

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:

Wear personal protection equipment (refer to section 8).

Fire prevent measures:

No special measures are necessary.

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Advices on general occupational hygiene

When using do not eat, drink or smoke. Avoid contact with eyes and skin.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

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

Storage class (TRGS 510, Germany): 12 - non-combustible liquids that cannot be assigned to any of the above storage classes

7.3. Specific end use(s)

No data available

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
TRGS 900 (DE)	Propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 200 ppm (500 mg/m ³) ② 400 ppm (1,000 mg/m ³)
DFG (DE)	2-methyl-2H-isothiazol-3-one CAS No.: 2682-20-4 EC No.: 220-239-6	① 0.2 mg/m ³ ② 0.4 mg/m ³ ⑤ (einatembare Fraktion)
DFG (DE)	2-methyl-2H-isothiazol-3-one CAS No.: 2682-20-4 EC No.: 220-239-6	① 0.2 mg/m ³ ② 0.4 mg/m ³ ⑤ einatembare Fraktion (Reaktionsgemisch, bestehend aus 5-Chlor-2-methyl-2H-isothiazol-3-on und 2-Methyl-2H-isothiazol-3-on (3:1))

8.1.2. Biological limit values

Limit value type (country of origin)	Substance name	Limit value	① parameter ② Test material ③ Time of sampling ④ Remark
TRGS 903 (DE)	Propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	25 mg/L	① Aceton ② Blut ③ Expositionsende bzw. Schichtende
TRGS 903 (DE)	Propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	25 mg/L	① Aceton ② Urin ③ Expositionsende bzw. Schichtende

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8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
alkyl polyglycoside C8-10 CAS No.: 68515-73-1	420 mg/m ³	① DNEL worker ② Long-term - inhalation, systemic effects
alkyl polyglycoside C8-10 CAS No.: 68515-73-1	595,000 mg/kg	① DNEL worker ② Long-term - dermal, systemic effects
Sulfuric acid, mono-C12-16-alkyl esters, sodium salts CAS No.: 73296-89-6 EC No.: 277-362-3	285 mg/m ³	① DNEL worker ② Long-term - inhalation, systemic effects
Sulfuric acid, mono-C12-16-alkyl esters, sodium salts CAS No.: 73296-89-6 EC No.: 277-362-3	4,060 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects

Substance name	PNEC Value	① PNEC type
alkyl polyglycoside C8-10 CAS No.: 68515-73-1	0.176 mg/l	① PNEC aquatic, freshwater
alkyl polyglycoside C8-10 CAS No.: 68515-73-1	0.0176 mg/l	① PNEC aquatic, marine water
alkyl polyglycoside C8-10 CAS No.: 68515-73-1	560 mg/l	① PNEC sewage treatment plant
alkyl polyglycoside C8-10 CAS No.: 68515-73-1	1.516 mg/kg	① PNEC sediment, freshwater
alkyl polyglycoside C8-10 CAS No.: 68515-73-1	0.152 mg/kg	① PNEC sediment, marine water
alkyl polyglycoside C8-10 CAS No.: 68515-73-1	0.654 mg/kg	① PNEC soil
alkyl polyglycoside C8-10 CAS No.: 68515-73-1	111.11 mg/kg	① PNEC secondary poisoning
Sulfuric acid, mono-C12-16-alkyl esters, sodium salts CAS No.: 73296-89-6 EC No.: 277-362-3	0.096 mg/l	① PNEC aquatic, freshwater
Sulfuric acid, mono-C12-16-alkyl esters, sodium salts CAS No.: 73296-89-6 EC No.: 277-362-3	0.0096 mg/l	① PNEC aquatic, marine water
Sulfuric acid, mono-C12-16-alkyl esters, sodium salts CAS No.: 73296-89-6 EC No.: 277-362-3	1,084 mg/l	① PNEC sewage treatment plant
Sulfuric acid, mono-C12-16-alkyl esters, sodium salts CAS No.: 73296-89-6 EC No.: 277-362-3	3.37 mg/kg	① PNEC sediment, freshwater
Sulfuric acid, mono-C12-16-alkyl esters, sodium salts CAS No.: 73296-89-6 EC No.: 277-362-3	0.337 mg/kg	① PNEC sediment, marine water

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No data available

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8.2.2. Personal protection equipment



Eye/face protection:

Eye glasses with side protection DIN EN 166

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: characteristic

Safety relevant basis data

parameter		at °C	Method	Remark
pH	11	20 °C		
Melting point	<i>not determined</i>			
Freezing point	<i>not determined</i>			
Initial boiling point and boiling range	> 90 °C			
Decomposition temperature	<i>not determined</i>			
Flash point	54 °C			Not sustaining combustion.
Evaporation rate	<i>not determined</i>			
Auto-ignition temperature	<i>not determined</i>			
Upper/lower flammability or explosive limits	<i>not determined</i>			
Vapour pressure	<i>not determined</i>			
Vapour density	<i>not determined</i>			
Density	≈ 1 g/cm ³	20 °C		
Relative density	<i>not determined</i>			
Bulk density	<i>not determined</i>			
Water solubility	completely miscible	20 °C		
Partition coefficient: n-octanol/water	<i>not determined</i>			
Dynamic viscosity	<i>not determined</i>			
Kinematic viscosity	<i>not determined</i>	40 °C		

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product itself does not burn. not relevant

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid

No further relevant information available.

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10.5. Incompatible materials

No further relevant information available.

10.6. Hazardous decomposition products

Thermal decomposition can lead to the escape of irritating gases and vapours.

SECTION 11: Toxicological information

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

Substance name	Toxicological information
fatty alcohol ethoxylate CAS No.: 160875-66-1	LD₅₀ oral: >2,000 mg/kg (Rat)
3-Butoxy-2-propanol CAS No.: 5131-66-8 EC No.: 225-878-4	LD₅₀ oral: =3,300 mg/kg (Rat) LD₅₀ dermal: >2,000 mg/kg (Rat)
alkyl polyglycoside C8-10 CAS No.: 68515-73-1	LD₅₀ oral: >5,000 mg/kg (Rat) OECD 401 LD₅₀ dermal: >2,000 mg/kg (Rabbit) OECD 402
Sulfuric acid, mono-C12-16-alkyl esters, sodium salts CAS No.: 73296-89-6 EC No.: 277-362-3	LD₅₀ oral: >5,000 mg/kg (Rat) LD₅₀ dermal: >5,000 mg/kg (Rabbit)

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:

Contains 2-methyl-2H-isothiazol-3-one. May produce an allergic reaction.

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.

Additional information:

No data available

11.2. Information on other hazards

No data available

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SECTION 12: Ecological information

12.1. Toxicity

Substance name	Toxicological information
fatty alcohol ethoxylate CAS No.: 160875-66-1	EC₅₀ : >1 - ≤10 mg/l 2 d (crustaceans, Daphnia magna (Big water flea)) EC₅₀ : >10 - ≤100 mg/l 3 d (Algae/water plant, Scenedesmus subspicatus) NOEC : >1 mg/l (fish-)
Propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	EC₅₀ : >1,000 mg/l 3 d (Algae/water plant, Scenedesmus subspicatus)
3-Butoxy-2-propanol CAS No.: 5131-66-8 EC No.: 225-878-4	LC₅₀ : >100 mg/l 4 d (fish-, Pimephales promelas (fathead minnow)) ErC₅₀ : >1,000 mg/l 4 d (Algae/water plant, Pseudokirchneriella subcapitata) EC₅₀ : >1,000 mg/l 2 d (crustaceans, Daphnia magna (Big water flea))
alkyl polyglycoside C8-10 CAS No.: 68515-73-1	LC₅₀ : >100 mg/l (fish-, Danio rerio (zebrafish-)) NOEC : >1 - ≤10 mg/l (fish-, Danio rerio (zebrafish-)) OECD 204 EC₅₀ : >100 mg/l (crustaceans, Daphnia magna (Big water flea)) OECD 202 EC₅₀ : >10 - <100 mg/l (Algae/water plant, Scenedesmus quadricauda) NOEC : >1 - <10 mg/l (crustaceans, Daphnia magna (Big water flea)) OECD 202
Sulfuric acid, mono-C12-16-alkyl esters, sodium salts CAS No.: 73296-89-6 EC No.: 277-362-3	LC₅₀ : >10 - ≤100 mg/l (fish-, Leuciscus idus (golden orfe)) NOEC : >1 - ≤10 mg/l (fish-, Pimephales promelas (fathead minnow))

12.2. Persistence and degradability

Substance name	Biodegradation	Remark
fatty alcohol ethoxylate CAS No.: 160875-66-1	Yes, rapidly	
Propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	Yes, rapidly	
3-Butoxy-2-propanol CAS No.: 5131-66-8 EC No.: 225-878-4	Yes, rapidly	
alkyl polyglycoside C8-10 CAS No.: 68515-73-1	Yes, rapidly	
Sulfuric acid, mono-C12-16-alkyl esters, sodium salts CAS No.: 73296-89-6 EC No.: 277-362-3	Yes, rapidly	

12.3. Bioaccumulative potential

Substance name	Log K _{ow}	Bioconcentration factor (BCF)
Propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	-0.16	

12.4. Mobility in soil

No data available

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12.5. Results of PBT and vPvB assessment

Substance name	Results of PBT and vPvB assessment
3-Butoxy-2-propanol CAS No.: 5131-66-8 EC No.: 225-878-4	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.
alkyl polyglycoside C8-10 CAS No.: 68515-73-1	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.

The substances in the mixture do not meet the PBT/vPvB criteria according to 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:

07 06 99 Wastes not otherwise specified

Waste code packaging:

15 01 02 Plastic packaging

Waste treatment options

Appropriate disposal / Product:

Consult the appropriate local waste disposal expert about waste disposal.

Appropriate disposal / Package:

Completely emptied packages can be recycled.

SECTION 14: Transport information

No dangerous good in sense of these transport regulations.

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			
14.4. Packing group			
not relevant			
14.5. Environmental hazards			
not relevant			
14.6. Special precautions for user			
not relevant			

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14.7. Maritime transport in bulk according to IMO instruments

not relevant

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.

Volatile organic compounds (VOC) content in percent by weight: 8%

Regulation (EC) No. 648/2004 (Detergents regulation)

5-15% non-ionic surfactants

<5% anionic surfactants, Preservative: methylisothiazolinone, benzisothiazolinone

15.1.2. National regulations

[DE] National regulations

Störfallverordnung

for substances contained in the product:

This product is not assigned to a hazard category.

Water hazard class

WGK:

1 - schwach wassergefährdend

15.2. Chemical Safety Assessment

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

SECTION 16: Other information

16.1. Indication of changes

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

16.2. Abbreviations and acronyms

No data available

16.3. Key literature references and sources for data

No data available

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

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

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP]-.

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

Hazard statements	
H225	Highly flammable liquid and vapour.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H336	May cause drowsiness or dizziness.
H410	Very toxic to aquatic life with long lasting effects.

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Hazard statements

H412	Harmful to aquatic life with long lasting effects.
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Supplemental hazard information

EUH071	Corrosive to the respiratory tract.
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16.6. Training advice

No data available

16.7. Additional information

No data available

* Data changed compared with the previous version