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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]-:

Hazard classes and hazard categories	Hazard statements	Classification pro- cedure
Respiratory or skin sensitisation (Skin Sens. 1)	H317: May cause an allergic skin reaction.	Calculation method.
Serious eye damage/eye irritation (Eye Dam. 1)	H318: Causes serious eye damage.	Calculation method.

2.2. Label elements

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





GHS05 Corrosion

Exclamation mark

Signal word: Danger

Hazard components for labelling:

2-methyl-2H-isothiazol-3-one; Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts; isotridecanole ethoxylated; Fatty alcohol C12 / 14-ether sulfate, sodium salt

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hazard statements for health hazards	
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.

Precautionary stat	ements Prevention
P280	Wear eye/face protection.

Precautionary statements Response		
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/	

2.3. Other hazards

No data available

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]	Concen- tration
CAS No.: 68411-30-3 REACH No.: 01-2119489428-22	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts Acute Tox. 4, Aquatic Chronic 3, Eye Dam. 1, Skin Irrit. 2 To Danger H302-H315-H318-H412	5 – 10 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.: 15763-76-5 EC No.: 239-854-6 REACH No.: 01-2119489411-37	sodium p-cumenesulphonate Eye Irrit. 2 Warning H319	1 - ≤ 5 weight-%
CAS No.: 9043-30-5	isotridecanole ethoxylated Acute Tox. 4, Eye Dam. 1 The property of the prop	1 - ≤ 5 weight-%
CAS No.: 68891-38-3 REACH No.: 01-2119488639-16	Fatty alcohol C12 / 14-ether sulfate, sodium salt Aquatic Chronic 3, Eye Dam. 1, Skin Irrit. 2 Panger H315-H318-H412	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	0 - ≤ 0.003 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. Warning First aider: Pay attention to self-protection!

Following inhalation:

Provide fresh air. In case of respiratory tract irritation, consult a physician.

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In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention. Take off immediately all contaminated clothing.

After eve 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. Let water be drunken in little sips (dilution effect). Get medical advice/attention if you feel unwell.

Self-protection of the first aider:

Use personal protection equipment.

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

Serious eye damage/eye irritation Allergic reactions

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 monoxide

Carbon dioxide (CO2)

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.

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

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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.

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

No data available

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 Aceton② Blut③ 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

8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts CAS No.: 68411-30-3	6 mg/m³	DNEL worker Long-term – inhalation, systemic effects
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts CAS No.: 68411-30-3	85 mg/kg	DNEL worker Long-term - dermal, systemic effects
sodium p-cumenesulphonate CAS No.: 15763-76-5 EC No.: 239-854-6	26.9 mg/m ³	DNEL worker Long-term – inhalation, systemic effects

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Substance name	DNEL value	① DNEL type ② Exposure route
sodium p-cumenesulphonate CAS No.: 15763-76-5 EC No.: 239-854-6	136.25 mg/ kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
sodium p-cumenesulphonate CAS No.: 15763-76-5 EC No.: 239-854-6	0.096 mg/ cm²	DNEL worker Long-term - dermal, local effects
urea CAS No.: 57-13-6 EC No.: 200-315-5	292 mg/m³	DNEL worker Long-term – inhalation, systemic effects
(R)-p-mentha-1,8-diene CAS No.: 5989-27-5 EC No.: 227-813-5	33.3 mg/m³	DNEL worker Long-term – inhalation, systemic effects

Substance name	PNEC Value	① PNEC type
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts CAS No.: 68411-30-3	0.268 mg/l	① PNEC aquatic, freshwater
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts CAS No.: 68411-30-3	0.0268 mg/l	① PNEC aquatic, marine water
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts CAS No.: 68411-30-3	3.43 mg/l	① PNEC sewage treatment plant
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts CAS No.: 68411-30-3	8.1 mg/kg	① PNEC sediment, freshwater
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts CAS No.: 68411-30-3	8.1 mg/kg	① PNEC sediment, marine water
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts CAS No.: 68411-30-3	0.0167 mg/l	① PNEC aquatic, intermittent release
sodium p-cumenesulphonate CAS No.: 15763-76-5 EC No.: 239-854-6	0.23 mg/l	① PNEC aquatic, freshwater
sodium p-cumenesulphonate CAS No.: 15763-76-5 EC No.: 239-854-6	0.023 mg/l	① PNEC aquatic, marine water
sodium p-cumenesulphonate CAS No.: 15763-76-5 EC No.: 239-854-6	0.862 mg/kg	① PNEC sediment, freshwater
sodium p-cumenesulphonate CAS No.: 15763-76-5 EC No.: 239-854-6	0.037 mg/kg	① PNEC soil
sodium p-cumenesulphonate CAS No.: 15763-76-5 EC No.: 239-854-6	0.0862 mg/ kg	① PNEC soil, marine water

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No data available

8.2.2. Personal protection equipment



Eye/face protection:

Eye glasses with side protection DIN EN 166

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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: green

Odour: Lemon

Safety relevant basis data

parameter		at °C	Method	Remark
рН	7.8	20 °C		
Melting point	not determined			
Freezing point	not determined			
Initial boiling point and boiling range	> 90 °C			
Decomposition temperature	not determined			
Flash point	44 °C			Not sustaining combustion.
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	= 1.04 g/cm ³	20 °C		
Relative density	not determined			
Bulk density	not determined			
Water solubility	completely miscible	20 °C		
Partition coefficient: n-octanol/ water	not determined			
Dynamic viscosity	not determined			
Kinematic viscosity	not determined	40 °C		

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product itself does not burn.

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.

10.5. Incompatible materials

No further relevant information available.

10.6. Hazardous decomposition products

Carbon monoxide

Carbon dioxide (CO2)

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SECTION 11: Toxicological information

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

Substance name	Toxicological information
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts CAS No.: 68411-30-3	LD ₅₀ oral:
CAS NO.: 00411-30-3	=1,080 mg/kg (Rat)
	LD ₅₀ dermal:
	>2,000 mg/kg (Rat)
sodium p-cumenesulphonate	LC ₅₀ Acute inhalation toxicity (vapour):
CAS No.: 15763-76-5	=6.41 mg/l (Rat)
EC No.: 239-854-6	LD ₅₀ oral:
	>7,000 mg/kg (Rat)
	LD ₅₀ dermal:
	>2,000 mg/kg (Rabbit)
isotridecanole ethoxylated	LD ₅₀ oral:
CAS No.: 9043-30-5	=500 mg/kg (Rat)
	LD ₅₀ dermal:
	>2,000 mg/kg (Rabbit)
Fatty alcohol C12 / 14-ether sulfate, sodium salt	LD ₅₀ oral:
CAS No.: 68891-38-3	=4,100 mg/kg (Rat)
	LD ₅₀ dermal:
	>2,000 mg/kg (Rat)

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:

Causes serious eye damage.

Respiratory or skin sensitisation:

May cause an allergic skin 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
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts CAS No.: 68411-30-3	LC ₅₀ : >1 - <10 mg/l 4 d (fish-, Lepomis macrochirus (B luegill)) NOEC: >4 mg/l 28 d (Algae/water plant)
Propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	EC₅₀: >1,000 mg/l 3 d (Algae/water plant, Scenedesmu s subspicatus)
sodium p-cumenesulphonate CAS No.: 15763-76-5 EC No.: 239-854-6	LC ₅₀ : >1,000 mg/l 4 d (fish-, Oncorhynchus mykiss (Ra inbow trout)) EC ₅₀ : >1,000 mg/l 2 d (crustaceans, Daphnia magna (Big water flea)) ErC ₅₀ : >230 mg/l 4 d (Algae/water plant)
Fatty alcohol C12 / 14-ether sulfate, sodium salt CAS No.: 68891-38-3	EC ₅₀ : =7.2 mg/l 2 d (crustaceans, Daphnia magna (Big water flea)) LC ₅₀ : =7.1 mg/l 4 d (fish-) NOEC: =0.27 mg/l 21 d (crustaceans, Daphnia magna (Big water flea))

12.2. Persistence and degradability

Substance name	Biodegradation	Remark
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts CAS No.: 68411-30-3	Yes, rapidly	
Propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	Yes, rapidly	
sodium p-cumenesulphonate CAS No.: 15763-76-5 EC No.: 239-854-6	Yes, rapidly	
isotridecanole ethoxylated CAS No.: 9043-30-5	Yes, rapidly	
Fatty alcohol C12 / 14-ether sulfate, sodium salt CAS No.: 68891-38-3	Yes, rapidly	

12.3. Bioaccumulative potential

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

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

Substance name	Results of PBT and vPvB assessment
sodium p-cumenesulphonate CAS No.: 15763-76-5 EC No.: 239-854-6	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

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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:

20 01 29 * Detergents containing hazardous substances

*: Evidence for disposal must be provided.

Waste code packaging:

15 01 10 * packaging containing residues of or contaminated by dangerous substances

*: Evidence for disposal must be provided.

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 shi	pping 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 haz	ard class(es)		
not relevant			
14.4. Packing group			
not relevant			
14.5. Environmenta	l hazards		
not relevant	_		_
14.6. Special preca	utions for user		
not relevant	-		_

14.7. Maritime transport in bulk according to IMO instruments

not relevant

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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: 5 %

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

5-15% anionic surfactants

<5% non-ionic surfactants , Preservative : methylisothiazolione, benzisothiazolinone; perfumes : limonene, citral

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:

2 - deutlich 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

ſ	1.1.	Product identifier
Ī	2.2.	Label elements

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]-:

Hazard classes and hazard categories	Hazard statements	Classification pro- cedure
Respiratory or skin sensitisation (Skin Sens. 1)	H317: May cause an allergic skin reaction.	Calculation method.
Serious eye damage/eye irritation (Eye Dam. 1)	H318: Causes serious eye damage.	Calculation method.

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

Hazard statement	Hazard statements	
H225	Highly flammable liquid and vapour.	
H301	Toxic if swallowed.	
H302	Harmful 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.	

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Hazard statements	
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.
H412	Harmful to aquatic life with long lasting effects.

Supplemental haza	ard information
EUH071	Corrosive to the respiratory tract.

16.6. Training advice

No data available

16.7. Additional information

No data available

^{*} Data changed compared with the previous version