

# SAFETY DATA SHEET

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

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## etolit Clear

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

\* **1.1. Product identifier**

**Trade name/designation:**

etolit Clear

\* **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:** -

**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.: 5949-29-1 EC No.: 201-069-1 REACH No.: 01-2119457026-42	citric acid monohydrate Eye Irrit. 2 ⚠ Warning H319	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.: 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 - ≤ 2 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 drunken 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.

#### 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 (CO<sub>2</sub>)

#### 5.2. Special hazards arising from the substance or mixture

The product itself does not burn.

##### Hazardous combustion products:

Carbon monoxide

Carbon dioxide (CO<sub>2</sub>)

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### 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.

**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

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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
TRGS 900 (DE)	citric acid monohydrate CAS No.: 5949-29-1 EC No.: 201-069-1	① 2 mg/m <sup>3</sup> ② 4 mg/m <sup>3</sup> ⑤ (einatembare Fraktion)
TRGS 900 (DE)	Propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 200 ppm (500 mg/m <sup>3</sup> ) ② 400 ppm (1,000 mg/m <sup>3</sup> )

##### 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

##### 8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
sodium p-cumenesulphonate CAS No.: 15763-76-5 EC No.: 239-854-6	26.9 mg/m <sup>3</sup>	① DNEL worker ② Long-term - inhalation, systemic effects
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/ cm <sup>2</sup>	① DNEL worker ② Long-term - dermal, local effects

Substance name	PNEC Value	① PNEC type
citric acid monohydrate CAS No.: 5949-29-1 EC No.: 201-069-1	0.44 mg/l	① PNEC aquatic, freshwater
citric acid monohydrate CAS No.: 5949-29-1 EC No.: 201-069-1	0.044 mg/l	① PNEC aquatic, marine water
citric acid monohydrate CAS No.: 5949-29-1 EC No.: 201-069-1	1,000 mg/l	① PNEC sewage treatment plant
citric acid monohydrate CAS No.: 5949-29-1 EC No.: 201-069-1	3.46 mg/kg	① PNEC sediment, freshwater

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Substance name	PNEC Value	① PNEC type
citric acid monohydrate CAS No.: 5949-29-1 EC No.: 201-069-1	34.6 mg/kg	① PNEC sediment, marine water
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

#### 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: blue

Odour: Alcohol

#### Safety relevant basis data

parameter		at °C	Method	Remark
pH	2.1	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	68 °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 <sup>3</sup>	20 °C		
Relative density	<i>not determined</i>			
Bulk density	<i>not determined</i>			

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parameter		at °C	Method	Remark
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.

### 10.5. Incompatible materials

Alkali (lye)

### 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
citric acid monohydrate CAS No.: 5949-29-1 EC No.: 201-069-1	<b>LD<sub>50</sub> oral:</b> =5,400 mg/kg (Mouse) <b>LD<sub>50</sub> dermal:</b> >2,000 mg/kg (Rat)
sodium p-cumenesulphonate CAS No.: 15763-76-5 EC No.: 239-854-6	<b>LC<sub>50</sub> Acute inhalation toxicity (vapour):</b> =6.41 mg/l (Rat) <b>LD<sub>50</sub> oral:</b> >7,000 mg/kg (Rat) <b>LD<sub>50</sub> dermal:</b> >2,000 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:

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

#### Germ cell mutagenicity:

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

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### 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

## SECTION 12: Ecological information

### 12.1. Toxicity

Substance name	Toxicological information
citric acid monohydrate CAS No.: 5949-29-1 EC No.: 201-069-1	LC <sub>50</sub> : =440 mg/l 2 d (fish-, <i>Leuciscus idus</i> (golden orfe))
Propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	EC <sub>50</sub> : >1,000 mg/l 3 d (Algae/water plant, <i>Scenedesmus subspicatus</i> )
sodium p-cumenesulphonate CAS No.: 15763-76-5 EC No.: 239-854-6	LC <sub>50</sub> : >1,000 mg/l 4 d (fish-, <i>Oncorhynchus mykiss</i> (Rainbow trout)) EC <sub>50</sub> : >1,000 mg/l 2 d (crustaceans, <i>Daphnia magna</i> (Big water flea)) ErC <sub>50</sub> : >230 mg/l 4 d (Algae/water plant)

### 12.2. Persistence and degradability

Substance name	Biodegradation	Remark
citric acid monohydrate CAS No.: 5949-29-1 EC No.: 201-069-1	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	

### 12.3. Bioaccumulative potential

Substance name	Log K <sub>OW</sub>	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

### 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.

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### 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
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##### Waste code packaging:

15 01 02	Plastic packaging
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### 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)
<b>14.1. UN number or ID number</b>			
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.
<b>14.2. UN proper shipping name</b>			
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.
<b>14.3. Transport hazard class(es)</b>			
not relevant			
<b>14.4. Packing group</b>			
not relevant			
<b>14.5. Environmental hazards</b>			
not relevant			
<b>14.6. Special precautions for user</b>			
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: 1%

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

<5% non-ionic surfactants

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

#### 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.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

#### 16.6. Training advice

No data available

#### 16.7. Additional information

No data available

\* Data changed compared with the previous version