

# SAFETY DATA SHEET

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

Revision date: 29 Nov 2023

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## etolit GT 410 P

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

#### 1.1. Product identifier

Trade name/designation:

etolit GT 410 P

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

Use of the substance/mixture:

Washing and cleaning products

#### 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

#### 1.4. Emergency telephone number

Vergiftungs-Informations-Zentrale Freiburg, 24h: +49(0)76119240

### 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
Skin corrosion/irritation ( <i>Skin Irrit. 2</i> )	H315: Causes skin irritation.	Calculation method.
Respiratory or skin sensitisation ( <i>Skin Sens. 1</i> )	H317: May cause an allergic skin reaction.	Calculation method.
Serious eye damage/eye irritation ( <i>Eye Irrit. 2</i> )	H319: Causes serious eye irritation.	Calculation method.
Hazardous to the aquatic environment ( <i>Aquatic Chronic 3</i> )	H412: Harmful to aquatic life with long lasting effects.	Calculation method.

#### 2.2. Label elements

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

Hazard pictograms:



GHS07

Exclamation mark

Signal word: Warning

Hazard statements for health hazards	
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.

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### Hazard statements for health hazards

H319 Causes serious eye irritation.

### Hazard statements for environmental hazards

H412 Harmful to aquatic life with long lasting effects.

Supplemental hazard information: none

### Precautionary statements Prevention

P280 Wear protective gloves and eye/face protection.

### Precautionary statements Response

P337 + P313 If eye irritation persists: Get medical advice/attention.

## 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]	Concentration
	<b>alkyl alcohol ethoxylate</b> Acute Tox. 4 (H302), Skin Irrit. 2 (H315) Warning	5 - 15 weight-%
CAS No.: 68154-97-2	<b>alcohol, C10-12, ethoxylated propoxylated</b> Eye Irrit. 2 (H319) Warning	5 - 15 weight-%
CAS No.: 5949-29-1 EC No.: 201-069-1 REACH No.: 01-2119457026-42	<b>citric acid monohydrate</b> Eye Irrit. 2 (H319) Warning	1 - 10 weight-%
CAS No.: 2682-20-4 EC No.: 220-239-6 Index No.: 613-326-00-9 REACH No.: 01-2120764690-50	<b>2-methyl-2H-isothiazol-3-one</b> Acute Tox. 2 (H330), Acute Tox. 3 (H311, H301), Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410), Eye Dam. 1 (H318), Skin Corr. 1B (H314), Skin Sens. 1A (H317) Danger EUH071 M-factor (acute): 10 M-factor (chronic): 1 <b>Specific concentration limit (SCL)</b> Skin Sens. 1A; H317: C ≥ 0.0015%	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.

#### Following inhalation:

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

#### In case of skin contact:

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

#### After eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

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### Following ingestion:

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

### Self-protection of the first aider:

Use personal protection equipment.

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

Skin corrosion/irritation Allergic reactions Serious eye damage/eye irritation

### 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>)

### 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

### 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.

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### 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, smoke, sniff. Avoid contact with skin, eyes and clothes.

#### 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) from 7 Jun 2018	<b>citric acid monohydrate</b> 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) DFG, Y
DFG (DE)	<b>2-methyl-2H-isothiazol-3-one</b> CAS No.: 2682-20-4 EC No.: 220-239-6	① 0.2 mg/m <sup>3</sup> ② 0.4 mg/m <sup>3</sup> ⑤ einatembare Fraktion (Reaktionsgemisch, bestehend aus 5-Chlor-2-methyl-2H-isothiazol-3-on und 2-Methyl-2H-isothiazol-3-on (3:1)) Sh

##### 8.1.2. Biological limit values

No data available

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

Substance name	PNEC Value	① PNEC type
<b>citric acid monohydrate</b> CAS No.: 5949-29-1 EC No.: 201-069-1	0.44 mg/L	① PNEC aquatic, freshwater
<b>citric acid monohydrate</b> CAS No.: 5949-29-1 EC No.: 201-069-1	0.044 mg/L	① PNEC aquatic, marine water
<b>citric acid monohydrate</b> CAS No.: 5949-29-1 EC No.: 201-069-1	1,000 mg/L	① PNEC sewage treatment plant
<b>citric acid monohydrate</b> CAS No.: 5949-29-1 EC No.: 201-069-1	3.46 mg/kg	① PNEC sediment, freshwater
<b>citric acid monohydrate</b> CAS No.: 5949-29-1 EC No.: 201-069-1	34.6 mg/kg	① PNEC sediment, marine water

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### 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 EN 166

##### Skin protection:

Tested protective gloves must be worn EN ISO 374 Suitable material: NBR (Nitrile rubber) >0,2mm  
Breakthrough time: 480min 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.

#### 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:** not determined

#### Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
pH	2.5	20 °C	
Melting point	No data available		
Freezing point	No data available		
Initial boiling point and boiling range	> 90 °C		
Flash point	not applicable		
Evaporation rate	No data available		
Auto-ignition temperature	not applicable		
Upper/lower flammability or explosive limits	not applicable		
Vapour pressure	No data available		
Vapour density	No data available		
Density	≈ 1.01 g/cm <sup>3</sup>	20 °C	
Bulk density	not applicable		
Water solubility	miscible	20 °C	
Dynamic viscosity	No data available		
Kinematic viscosity	No data available	40 °C	

#### particle characteristics:

not applicable

### 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product itself does not burn.

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### 10.2. Chemical stability

The product 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

alkyl alcohol ethoxylate
LD <sub>50</sub> oral: >300 - <2,000 mg/kg (Rat) OECD 423
alcohol, C10-12, ethoxylated propoxylated CAS No.: 68154-97-2
LD <sub>50</sub> oral: >2,000 - <5,000 mg/kg (Rat) OECD 401
citric acid monohydrate CAS No.: 5949-29-1 EC No.: 201-069-1
LD <sub>50</sub> oral: =5,400 mg/kg (Mouse)
LD <sub>50</sub> 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:

Causes skin irritation.

#### Serious eye damage/irritation:

Causes serious eye irritation.

#### 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

##### alkyl alcohol ethoxylate

LC<sub>50</sub>: >10 - <100 mg/L 4 d (fish-----, Pimephales promelas (fathead minnow)) OECD 203

EC<sub>50</sub>: >100 mg/L 2 d (crustaceans, Daphnia magna (Big water flea))

EC<sub>50</sub>: >10 - <100 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata) OECD 201

##### alcohol, C10-12, ethoxylated propoxylated CAS No.: 68154-97-2

EC<sub>50</sub>: >1 - <10 mg/L 2 d (crustaceans, Daphnia magna (Big water flea)) OECD 202

EC<sub>50</sub>: >1 - <10 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata) OECD 201

##### citric acid monohydrate CAS No.: 5949-29-1 EC No.: 201-069-1

LC<sub>50</sub>: =440 mg/L 2 d (fish-----, Leuciscus idus (golden orfe))

#### Aquatic toxicity:

Harmful to aquatic life with long lasting effects.

#### 12.2. Persistence and degradability

##### alkyl alcohol ethoxylate

Biodegradation: Yes, rapidly

##### alcohol, C10-12, ethoxylated propoxylated CAS No.: 68154-97-2

Biodegradation: Yes, rapidly

##### citric acid monohydrate CAS No.: 5949-29-1 EC No.: 201-069-1

Biodegradation: Yes, rapidly

#### 12.3. Bioaccumulative potential

No data available

#### 12.4. Mobility in soil

No data available

#### 12.5. Results of PBT and vPvB assessment

##### alkyl alcohol ethoxylate

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

##### alcohol, C10-12, ethoxylated propoxylated CAS No.: 68154-97-2

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

20 01 30 detergents other than those mentioned in 20 01 29

##### 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.

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### Appropriate disposal / Package:

Completely emptied packages can be recycled.

## SECTION 14: Transport information

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	not relevant	not relevant	not relevant
<b>14.4. Packing group</b>			
not relevant	not relevant	not relevant	not relevant
<b>14.5. Environmental hazards</b>			
not relevant	not relevant	not relevant	not relevant
<b>14.6. Special precautions for user</b>			
not relevant	not relevant	not relevant	not relevant

### 14.7. Maritime transport in bulk according to IMO instruments

No data available

## 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):

This product is not assigned to a hazard category.

Volatile organic compounds (VOC) content in percent by weight: 0%

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

15-30% non-ionic surfactants

<5% Preservative : methylisothiazolinone, benzisothiazolinone

#### 15.1.2. National regulations

##### [DE] National regulations

##### Störfallverordnung (12. BImSchV)

##### for substances contained in the product:

This product is not assigned to a hazard category.

##### Water hazard class

##### WGK:

2 - obviously hazardous to water

#### 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

No data available

### 16.2. Abbreviations and acronyms

No data available



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### 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]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Skin corrosion/irritation ( <i>Skin Irrit. 2</i> )	H315: Causes skin irritation.	Calculation method.
Respiratory or skin sensitisation ( <i>Skin Sens. 1</i> )	H317: May cause an allergic skin reaction.	Calculation method.
Serious eye damage/eye irritation ( <i>Eye Irrit. 2</i> )	H319: Causes serious eye irritation.	Calculation method.
Hazardous to the aquatic environment ( <i>Aquatic Chronic 3</i> )	H412: Harmful to aquatic life with long lasting effects.	Calculation method.

### 16.5. List of relevant hazard statements and/or precautionary statements from sections 2 to 15

Hazard statements	
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.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
Supplemental hazard information	
EUH071	Corrosive to the respiratory tract.

### 16.6. Training advice

No data available

### 16.7. Additional information

No data available