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

### 1.1. Product identifier

Trade name/designation:

### etolit 3000

# 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
STOT-single exposure (STOT SE 3)	H335: May cause respiratory irritation.	Calculation method.
Hazardous to the aquatic environment (Aquatic Chronic 3)	H412: Harmful to aquatic life with long lasting effects.	Calculation method.
Corrosive to metals (Met. Corr. 1)	H290: May be corrosive to metals.	On basis of test data.
Skin corrosion/irritation (Skin Corr. 1)	H314: Causes severe skin burns and eye damage.	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

en / DE

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### Hazard components for labelling:

disodium metasilicate; sodium hydroxide; Troclosene sodium, dihydrate

Hazard statements for physical hazards	
H290	May be corrosive to metals.

hazard statements for health hazards			
H314	Causes severe skin burns and eye damage.		
H335	May cause respiratory irritation.		

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

Supplemental hazard information	
EUH031	Contact with acids liberates toxic gas.

Precautionary statements Prevention		
P280	Wear protective gloves/protective clothing and eye/face protection.	

Precautionary statements Response		
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].	
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	Classification according to Regulation (EC) No 1272/2008 [CLP]	tration
CAS No.: 497-19-8 EC No.: 207-838-8 REACH No.: 01-2119485498-19	sodium carbonate Eye Irrit. 2  ••• Warning H319	25 - 50 weight-%
CAS No.: 6834-92-0 EC No.: 229-912-9 REACH No.: 01-2119449811-37	disodium metasilicate STOT SE 3, Skin Corr. 1B  Danger H314-H335	25 - 50 weight-%
CAS No.: 1310-73-2 EC No.: 215-185-5 Index No.: 011-002-00-6 REACH No.: 01-2119457892-27-0035	sodium hydroxide Skin Corr. 1A $\bigcirc$ Danger H314 Specific concentration limit (SCL): Skin Corr. 1A; H314: C ≥ 5% Skin Corr. 1B; H314: 2% ≤ C < 5% Skin Irrit. 2; H315: 0.5% ≤ C < 2% Eye Dam. 1; H318: C ≥ 2% Eye Irrit. 2; H319: 0.5% ≤ C < 2%	5 – 25 weight-%
CAS No.: 51580-86-0 EC No.: 220-767-7 REACH No.: 01-2119489371-33	Troclosene sodium, dihydrate Acute Tox. 4, Aquatic Acute 1, Aquatic Chronic 1, Eye Irrit. 2, STOT SE 3  Warning H302-H319-H335-H410-EUH031	0 - ≤ 1 weight-%

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

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### **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. Get medical advice/attention if you feel unwell.

#### In case of skin contact:

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

### 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.

### Following ingestion:

Rinse mouth. Let water be drunken in little sips (dilution effect). Get medical advice/attention if you feel unwell. Rinse mouth immediately and drink plenty of water-. Do NOT induce vomiting. Get immediate medical advice/attention.

### Self-protection of the first aider:

Use personal protection equipment.

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

Skin corrosion/irritation Serious eye damage/eye irritation Irritation to respiratory tract

# **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)

### Unsuitable extinguishing media:

Strong water jet

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

The product itself does not burn.

### **Hazardous combustion products:**

Chlorine (CI2)

### 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.

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#### **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.

### st $\mid$ 6.3. Methods and material for containment and cleaning up

### For containment:

Collect spillage. Measures to prevent aerosol and dust generation Wet clean or vacuum up solids.

#### 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). Do not breathe dust.

### 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.

### Requirements for storage rooms and vessels:

Keep/Store only in original container.

Storage class (TRGS 510, Germany): 8B - Non-combustible corrosive substances

### 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

No data available

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# 8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type
		② Exposure route
sodium carbonate CAS No.: 497-19-8	10 mg/m³	① DNEL worker
EC No.: 207-838-8		② Long-term – inhalation, local effects
disodium metasilicate CAS No.: 6834-92-0	6.22 mg/m <sup>3</sup>	① DNEL worker
EC No.: 229-912-9		② Long-term – inhalation, systemic effects
disodium metasilicate	1.49 mg/kg	① DNEL worker
CAS No.: 6834-92-0 EC No.: 229-912-9	bw/day	② Long-term - dermal, systemic effects
sodium hydroxide	1 mg/m³	① DNEL worker
CAS No.: 1310-73-2 EC No.: 215-185-5		② Long-term – inhalation, local effects
sodium tripolyphosphate CAS No.: 7758-29-4	0.661 mg/m <sup>3</sup>	① DNEL worker
EC No.: 231-838-7		② Long-term – inhalation, systemic effects
sodium tripolyphosphate CAS No.: 7758-29-4	0.661 mg/m <sup>3</sup>	① DNEL worker
EC No.: 231-838-7		② Acute - inhalation, systemic effects
sodium tripolyphosphate	0.375 mg/kg	① DNEL worker
CAS No.: 7758-29-4 EC No.: 231-838-7		② Long-term - dermal, systemic effects
sodium tripolyphosphate	0.375 mg/kg	① DNEL worker
CAS No.: 7758-29-4 EC No.: 231-838-7		② Acute – dermal, systemic effects
sodium tripolyphosphate	0.75 mg/kg	① DNEL worker
CAS No.: 7758-29-4 EC No.: 231-838-7		② Long-term - oral, systemic effects
sodium tripolyphosphate	0.75 mg/kg	① DNEL worker
CAS No.: 7758-29-4 EC No.: 231-838-7		② Acute – oral, systemic effects
Troclosene sodium, dihydrate	8.11 mg/m <sup>3</sup>	① DNEL worker
CAS No.: 51580-86-0 EC No.: 220-767-7		② Long-term – inhalation, systemic effects

Substance name	PNEC Value	① PNEC type
disodium metasilicate CAS No.: 6834-92-0 EC No.: 229-912-9	7.5 mg/l	① PNEC aquatic, freshwater
disodium metasilicate CAS No.: 6834-92-0 EC No.: 229-912-9	1 mg/l	① PNEC aquatic, marine water
disodium metasilicate CAS No.: 6834-92-0 EC No.: 229-912-9	1,000 mg/l	① PNEC sewage treatment plant
sodium tripolyphosphate CAS No.: 7758-29-4 EC No.: 231-838-7	0.005 mg/l	① PNEC aquatic, freshwater
sodium tripolyphosphate CAS No.: 7758-29-4 EC No.: 231-838-7	0.005 mg/l	① PNEC aquatic, marine water
sodium tripolyphosphate CAS No.: 7758-29-4 EC No.: 231-838-7	0.19 mg/kg	① PNEC sediment, freshwater
sodium tripolyphosphate CAS No.: 7758-29-4 EC No.: 231-838-7	0.05 mg/l	① PNEC aquatic, intermittent release

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Substance name	PNEC Value	① PNEC type
sodium tripolyphosphate CAS No.: 7758-29-4 EC No.: 231-838-7	0.14 mg/kg	① PNEC soil, freshwater

# 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

### 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.

### 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: solid Colour: white

**Odour:** Chlorine

### Safety relevant basis data

parameter		at °C	Method	Remark
рН	14	20 °C		
Melting point	not determined			
Freezing point	not determined			
Initial boiling point and boiling range	not determined			
Decomposition temperature	not determined			
Flash point	not applicable			
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 g/ml	20 °C		
Relative density	not determined			
Bulk density	not determined			
Water solubility	> 50 g/l	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

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# **SECTION 10: Stability and reactivity**

### 10.1. Reactivity

May be corrosive to metals. Contact with acids liberates toxic gas. The product itself does not burn.

### 10.2. Chemical stability

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

### 10.3. Possibility of hazardous reactions

No data available

#### 10.4. Conditions to avoid

Slowly corrodes aluminium and zink under hydrogen evolution.

### 10.5. Incompatible materials

Light metals

Acid

### 10.6. Hazardous decomposition products

Chlorine

### **SECTION 11: Toxicological information**

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

Substance name	Toxicological information
sodium carbonate CAS No.: 497-19-8 EC No.: 207-838-8	LD <sub>50</sub> oral: =4,090 mg/kg (Rat) LD <sub>50</sub> dermal: >2,000 mg/kg (Rabbit)
disodium metasilicate CAS No.: 6834-92-0 EC No.: 229-912-9	LD <sub>50</sub> oral: =1,153 mg/kg (Rat) LD <sub>50</sub> dermal: >5,000 mg/kg (Rat)
Troclosene sodium, dihydrate CAS No.: 51580-86-0 EC No.: 220-767-7	LD <sub>50</sub> oral: =1,400 mg/kg (Rat) LD <sub>50</sub> dermal: >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:

Causes severe burns.

### Serious eye damage/irritation:

Causes serious eye damage.

### 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:**

Irritation to respiratory tract

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### **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
sodium carbonate CAS No.: 497-19-8 EC No.: 207-838-8	EC <sub>50</sub> : >200 - <227 mg/l 2 d (crustaceans, Ceriodaphni a spec) LC <sub>50</sub> : =300 mg/l 4 d (fish-, Lepomis macrochirus (Blueg ill))
disodium metasilicate CAS No.: 6834-92-0 EC No.: 229-912-9	LC <sub>50</sub> : =210 mg/l 4 d (fish-, Danio rerio (zebrafish-)) EC <sub>50</sub> : =1,700 mg/l 2 d (crustaceans, Daphnia magna (Big water flea))
sodium hydroxide CAS No.: 1310-73-2 EC No.: 215-185-5	LC <sub>50</sub> : >133 - <189 mg/l 2 d (fish-, Leuciscus idus (gold en orfe)) EC <sub>50</sub> : >100 mg/l 2 d (crustaceans, Daphnia magna (Big water flea))
Troclosene sodium, dihydrate CAS No.: 51580-86-0 EC No.: 220-767-7	LC <sub>50</sub> : =0.37 mg/l 4 d (fish-, Oncorhynchus mykiss (Rain bow trout)) EC <sub>50</sub> : =0.28 mg/l 2 d (crustaceans, Daphnia magna (Big water flea))

### Aquatic toxicity:

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful to aquatic life with long lasting effects.

### 12.2. Persistence and degradability

No data available

### 12.3. Bioaccumulative potential

Substance name	Log K <sub>OW</sub>	Bioconcentration factor (BCF)
sodium hydroxide	-3.88	
CAS No.: 1310-73-2		
EC No.: 215-185-5		

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

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

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### 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:**

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.

# **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		
UN 1823	UN 1823	UN 1823	UN 1823
14.2. UN proper shi	pping name		
SODIUM HYDROXIDE, SOLID	SODIUM HYDROXIDE, SOLID	SODIUM HYDROXIDE, SOLID	SODIUM HYDROXIDE, SOLID
14.3. Transport haz	ard class(es)		
			The state of the s
8	8	8	8
14.4. Packing group	)		
	II	II	II
14.5. Environmenta	l hazards		
No	No	No	No
14.6. Special preca	utions for user		
Special provisions: Limited quantity (LQ): 1 Kg Excepted Quantities (EQ): E2	Special provisions: Limited quantity (LQ): 1 Kg Excepted Quantities (EQ): E2	Special provisions: Limited quantity (LQ): 1 Kg Excepted Quantities (EQ): E2	Special provisions: Excepted Quantities (EQ): Remark:
Hazard identification number (Kemler No.): 80	Classification code-: C6 Remark:	EmS-No.: F-A, S-B Remark:	
<b>Classification code-:</b> C6			
tunnel restriction code-: (E)			
Remark:			

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

No data available

en / DE

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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: 0%

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

15-30% phosphates

<5% chlorine-based bleaching agents

### 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
2.1.	Classification of the substance or mixture
6.3.	Methods and material for containment and cleaning up
14.6.	Special precautions for user
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]-:

Hazard classes and hazard categories	Hazard statements	Classification pro- cedure
STOT-single exposure (STOT SE 3)	H335: May cause respiratory irritation.	Calculation method.
Hazardous to the aquatic environment (Aquatic Chronic 3)	H412: Harmful to aquatic life with long lasting effects.	Calculation method.
Corrosive to metals (Met. Corr. 1)	H290: May be corrosive to metals.	On basis of test data.
Skin corrosion/irritation (Skin Corr. 1)	H314: Causes severe skin burns and eye damage.	Calculation method.
Serious eye damage/eye irritation (Eye Dam. 1)	H318: Causes serious eye damage.	Calculation method.

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

Hazard statements	
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H410	Very toxic to aquatic life with long lasting effects.

Supplemental hazard information	
EUH031	Contact with acids liberates toxic gas.

### 16.6. Training advice

No data available

### 16.7. Additional information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

\* Data changed compared with the previous version