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

Revision date: 8 Mar 2024 Print date: 8 Mar 2024

Version: 8 Page 1/10



etolit 6100

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

1.1. Product identifier

Trade name/designation:

etolit 6100

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

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
Corrosive to metals (Met. Corr. 1)	H290: May be corrosive to metals.	
Skin corrosion/irritation (Skin Corr. 1)	H314: Causes severe skin burns and eye damage.	
Serious eye damage/eye irritation (Eye Dam. 1)	H318: Causes serious eye damage.	
Carcinogenicity (Carc. 2)	H351: Suspected of causing cancer.	

2.2. Label elements

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



GHS05 Corrosion



GHS08 Health hazard

Signal word: Danger

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

Revision date: 8 Mar 2024 Print date: 8 Mar 2024

Version: 8 Page 2/10



etolit 6100

Hazard components for labelling:

trisodium nitrilotriacetate; sodium hydroxide

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

Hazard statements for health hazards		
H314	Causes severe skin burns and eye damage.	
H351	Suspected of causing cancer.	

Supplemental hazard information: none

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

Precautionary state	Precautionary statements Response		
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].		
	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]	Concentration
CAS No.: 5064-31-3 EC No.: 225-768-6 Index No.: 607-620-00-6 REACH No.: 01-2119519239-36	trisodium nitrilotriacetate Acute Tox. 4 (H302), Carc. 2 (H351), Eye Irrit. 2 (H319) Warning Specific concentration limit (SCL) Carc. 2; H351: C ≥ 5%	5 – 25 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 (H314) \diamondsuit Danger 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 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. 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.

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

Revision date: 8 Mar 2024 Print date: 8 Mar 2024

Version: 8 Page 3/10



etolit 6100

After eye 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. 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. First aider: Pay attention to self-protection!

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

Skin corrosion/irritation 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

Carbon dioxide (CO2)

Extinguishing powder

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:

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

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

Revision date: 8 Mar 2024 Print date: 8 Mar 2024

Version: 8 Page 4/10



etolit 6100

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.

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

Limit value type (country of origin)	Substance name	 Long-term occupational exposure limit value Short-term occupational exposure limit value Instantaneous value Monitoring and observation processes Remark
TRGS 900 (DE) from 2 Oct 2020	trisodium nitrilotriacetate CAS No.: 5064-31-3 EC No.: 225-768-6	 2 mg/m³ 8 mg/m³ (einatembare Fraktion) DFG, Y, 35
TRGS 900 (DE)	Hydrocarbons, TRGS 900	① 0 mg/m³ ⑤ Mass fraction (wt %): 0

8.1.2. Biological limit values

No data available

8.1.3. DNEL-/PNEC-values

11.5. Divide 71 index values			
Substance name	DNEL value	① DNEL type	
		② Exposure route	
trisodium nitrilotriacetate CAS No.: 5064-31-3 EC No.: 225-768-6	3.5 mg/m ³	① DNEL worker ② Long-term – inhalation, systemic effects	
trisodium nitrilotriacetate CAS No.: 5064-31-3 EC No.: 225-768-6	5.25 mg/m ³	DNEL worker Acute - inhalation, systemic effects	
trisodium nitrilotriacetate CAS No.: 5064-31-3 EC No.: 225-768-6	3.5 mg/m ³	① DNEL worker ② Long-term – inhalation, local effects	

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

Revision date: 8 Mar 2024 Print date: 8 Mar 2024

Version: 8 Page 5/10



etolit 6100

Substance name	DNEL value	① DNEL type ② Exposure route
trisodium nitrilotriacetate CAS No.: 5064-31-3 EC No.: 225-768-6	5.25 mg/m ³	① DNEL worker ② Acute - inhalation, local effects
sodium hydroxide CAS No.: 1310-73-2 EC No.: 215-185-5	1 mg/m³	① DNEL worker ② Long-term – inhalation, local effects

Substance name	PNEC Value	① PNEC type
trisodium nitrilotriacetate CAS No.: 5064-31-3 EC No.: 225-768-6	0.93 mg/L	① PNEC aquatic, freshwater
trisodium nitrilotriacetate CAS No.: 5064-31-3 EC No.: 225-768-6	0.093 mg/L	① PNEC aquatic, marine water
trisodium nitrilotriacetate CAS No.: 5064-31-3 EC No.: 225-768-6	540 mg/L	① PNEC sewage treatment plant
trisodium nitrilotriacetate CAS No.: 5064-31-3 EC No.: 225-768-6	3.64 mg/kg	① PNEC sediment, freshwater
trisodium nitrilotriacetate CAS No.: 5064-31-3 EC No.: 225-768-6	0.364 mg/kg	① PNEC sediment, marine water
trisodium nitrilotriacetate CAS No.: 5064-31-3 EC No.: 225-768-6	0.2 mg/kg	① PNEC secondary poisoning
trisodium nitrilotriacetate CAS No.: 5064-31-3 EC No.: 225-768-6	0.915 mg/L	① PNEC aquatic, intermittent release
trisodium nitrilotriacetate CAS No.: 5064-31-3 EC No.: 225-768-6	0.182 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 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

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

Revision date: 8 Mar 2024 Print date: 8 Mar 2024

Version: 8 Page 6/10



etolit 6100

Odour: odourless

Safety relevant basis data

Parameter	Value	at °C	① Method
			② Remark
рН	14	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	No data available		
Vapour pressure	No data available		
Vapour density	No data available		
Density	$= 1.2 \text{ g/cm}^3$	20 °C	
Bulk density	not applicable		
Water solubility	completely 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

May be corrosive to metals.

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

Acid

Light metals

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

trisodium nitrilotriacetate CAS No.: 5064-31-3 EC No.: 225-768-6 **LD**₅₀ **oral:** >1,000 - ≤2,000 mg/kg (Rat)

LD₅₀ dermal: >10,000 mg/kg (Rabbit)

Acute oral toxicity:

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

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

Revision date: 8 Mar 2024 Print date: 8 Mar 2024

Version: 8 Page 7/10



etolit 6100

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:

Suspected of causing cancer.

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

trisodium nitrilotriacetate CAS No.: 5064-31-3 EC No.: 225-768-6

LC₅₀: >100 mg/L 4 d (fish----, Pimephales promelas (fathead minnow))

sodium hydroxide CAS No.: 1310-73-2 EC No.: 215-185-5

LC₅₀: >133 - <189 mg/L 2 d (fish-----, Leuciscus idus (golden orfe))

EC₅₀: >100 mg/L 2 d (crustaceans, Daphnia magna (Big water flea))

12.2. Persistence and degradability

trisodium nitrilotriacetate CAS No.: 5064-31-3 EC No.: 225-768-6

Biodegradation: Yes, rapidly

12.3. Bioaccumulative potential

trisodium nitrilotriacetate CAS No.: 5064-31-3 EC No.: 225-768-6

Log K_{OW}: -13.2

sodium hydroxide CAS No.: 1310-73-2 EC No.: 215-185-5

Log K_{OW}: -3.88

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

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

Revision date: 8 Mar 2024 Print date: 8 Mar 2024

Version: 8 Page 8/10



etolit 6100

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 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:

Non-contaminated packages may be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)	(ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)			
L4.1. UN number or ID number						
UN 1824	UN 1824	UN 1824	UN 1824			
14.2. UN proper ship	ping name					
SODIUM HYDROXIDE SOLUTION	SODIUM HYDROXIDE SOLUTION	SODIUM HYDROXIDE SOLUTION	SODIUM HYDROXIDE SOLUTION			
14.3. Transport haza	rd class(es)					
14.4 Packing group	8	8	8			
14.4. Packing group	T	T	T			
	<u> </u>	III	<u> III </u>			
14.5. Environmental	nazards	,				
No	No	No	No			
14.6. Special precau	tions for user					
Limited quantity (LQ): 5L	Limited quantity (LQ): 5L	Special Provisions: 223	No data available			
Excepted Quantities (EQ):	Excepted Quantities (EQ):	Limited quantity (LQ): 5L Excepted Quantities				
Hazard identification number (Kemler No.): 80 Classification code:	Classification code: C5	(EQ): E1 EmS-No.: F-A, S-B				
C5 Tunnel restriction code: (E)						

14.7. Maritime transport in bulk according to IMO instruments

No data available

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

Revision date: 8 Mar 2024 Print date: 8 Mar 2024

Version: 8 Page 9/10



etolit 6100

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% NTA (nitrilotriacetic acid) and salts thereof

15.1.2. National regulations

[DE] National regulations

Störfallverordnung (12. BlmschV)

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

1.4. Emergency tel		Emergency telephone number
Г	9.1.	Information on basic physical and chemical properties

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]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Corrosive to metals (Met. Corr. 1)	H290: May be corrosive to metals.	
Skin corrosion/irritation (Skin Corr. 1)	H314: Causes severe skin burns and eye damage.	
Serious eye damage/eye irritation (Eye Dam. 1)	H318: Causes serious eye damage.	
Carcinogenicity (Carc. 2)	H351: Suspected of causing cancer.	

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

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.					
H351	Suspected of causing cancer.					

16.6. Training advice

No data available

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

Revision date: 8 Mar 2024 Print date: 8 Mar 2024

Version: 8



Page 10/10 **etolit 6100**

16.7. Additional information No data available * Data changed compared with the previous version.							