

**Safety data sheet**  
**according to 1907/2006/EC, Article 31**

Printing date 14.02.2022

Version number 1

Revision: 14.02.2022

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

- **1.1 Product identifier**
- **Trade name: Eco Fluid**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the preparation :** cleaning solution
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
TECHNIQUA HANDELS GmbH  
Hartleitnerstraße 3  
A-4653 Eberstallzell  
Tel: +43 (0) 7241 213 79  
E-Mail: office@techniqua.at
- **1.4 Emergency telephone number:**  
Poisoning Information Centre (VIZ), Stubenring 6, A-1010 Vienna  
Emergency call 0-24 hrs: +43 1 406 43 43  
Office hours: Monday to Friday, 8 to 16 hrs, Tel.: +43 1 406 68 98


**SECTION 2: Hazards identification**

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008 :**  
The product is not classified, according to the CLP regulation.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Not classified as hazardous
- **Hazard pictograms** Not classified as hazardous
- **Signal word** Not classified as hazardous
- **Hazard statements** Not classified as hazardous
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

**SECTION 3: Composition/information on ingredients**

- **3.2 Chemical characterisation: Mixtures**
- **Description:** Mixture: consisting of the following components.

· **Dangerous components:**

Polymer	Ethoxylated alcohol	 Eye Irrit. 2, H319	0-≤2.5%
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- **SVHC** No

(Contd. on page 2)

## Safety data sheet according to 1907/2006/EC, Article 31

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Version number 1

Revision: 14.02.2022

**Trade name: Eco Fluid**

(Contd. of page 1)

· **Additional information:** For the wording of the listed risk phrases, refer to section 16.

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **After inhalation:** Provide fresh air; consult a doctor in case of medical complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult a doctor.
- **4.2 Most important symptoms and effects, both acute and delayed :**  
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed :**  
No further relevant information available.

### SECTION 5: Firefighting measures

- **5.1 Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **5.2 Special hazards arising from the substance or mixture :**  
Formation of toxic gases is possible during heating or in case of fire.  
In case of fire, the following can be released:  
Carbon monoxide (CO)  
Under certain fire conditions, traces of other toxic gases cannot be excluded.
- **5.3 Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.
- **Additional information** Cool endangered receptacles with water spray.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures :**  
Wear a respiratory protective device.
- **6.2 Environmental precautions:**  
Dilute with plenty of water.  
Do not allow the product to enter sewers/ surface water or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **6.4 Reference to other sections :**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protective equipment.  
See Section 13 for disposal information.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling :** No special precautions are necessary if used correctly.
- **Information about fire - and explosion protection:** No special measures required.

(Contd. on page 3)

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 14.02.2022

Version number 1

Revision: 14.02.2022

**Trade name: Eco Fluid**

(Contd. of page 2)

- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Protect from frost.
- **7.3 Specific end use(s) :** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Additional information about design of technical facilities:** No further data; see section 7.
- **Ingredients with limit values that require monitoring at the workplace:**  
The product does not contain any significant quantities of materials with critical values that have to be monitored at the workplace.

#### · **DNELs**

##### **CAS: 64-02-8 tetrasodium ethylenediaminetetraacetate**

Oral	DNEL Public long-term systemic	25 mg/kg bw/d
Inhalative	DNEL Worker long-term systemic	2.5 mg/m <sup>3</sup>
	DNEL Public long-term local effects	1.5 mg/m <sup>3</sup>
	DNEL Public acute/short-term local effects	1.5 mg/m <sup>3</sup>
	DNEL Worker acute/short-term local effects	2.5 mg/m <sup>3</sup>

##### **CAS: 1310-73-2 sodium hydroxide**

Inhalative	DNEL Public long-term local effects	1 mg/m <sup>3</sup>
	DNEL Worker long-term local effects	1 mg/m <sup>3</sup>

#### · **PNECs**

##### **CAS: 64-02-8 tetrasodium ethylenediaminetetraacetate**

PNEC STP	43 mg/L
PNEC aqua (fresh water)	2.2 mg/L
PNEC aqua (intermittent releases)	1.2 mg/L
PNEC aqua (marine water)	0.22 mg/L
PNEC soil	0.72 mg/kg

#### · **Additional information:**

The most current valid lists have been used as a basis for the production of this document.

#### · **8.2 Exposure controls**

- **Personal protective equipment:**
- **General protective and hygienic measures:** Wash hands before breaks and at the end of work.
- **Respiratory protection:** Not required.
- **Protection of hands:**



Protective gloves

#### · **Gloves material :**

The selection of suitable gloves does not depend only on the material, but also on further marks of quality which may vary from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked before

(Contd. on page 4)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 14.02.2022

Version number 1

Revision: 14.02.2022

**Trade name: Eco Fluid**

(Contd. of page 3)

use.

· **Eye protection:**

Safety glasses

### SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**· **General Information**· **Appearance:**

Form:	Liquid
Colour:	Light blue
Odour:	Characteristic
Odour threshold:	Not determined.

· **pH-value:** 9.0-9.7· **Change in condition**

Melting point/freezing point:	0 °C
Initial boiling point and boiling range:	100 °C

· **Flash point:** Not applicable.· **Flammability (solid, gas):** Not applicable.· **Ignition temperature:** Not applicable.· **Decomposition temperature:** Not determined.· **Auto-ignition temperature:** Product is not self igniting.· **Explosive properties:** Product does not present an explosion hazard.· **Explosion limits:**

Lower:	Not determined.
Upper:	Not determined.

· **Vapour pressure at 20 °C:** 23 hPa· **Density at 20 °C:** 1.00-1.01 g/cm<sup>3</sup>· **Relative density :** Not determined.· **Vapour density :** Not determined.· **Evaporation rate :** Not determined.· **Solubility in / Miscibility with water:**

Fully miscible.

· **Segregation coefficient (n-octanol/water):** Not determined.· **Viscosity:**

Dynamic:	Not determined.
Kinematic:	Not determined.

(Contd. on page 5)

GB

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 14.02.2022

Version number 1

Revision: 14.02.2022

**Trade name: Eco Fluid**

(Contd. of page 4)

- |                                  |  |
|----------------------------------|--|
| <b>· Solvent content:</b>        |  |
| <b>COV (CH) :</b>                | 0.00 %                                     |
| <b>· 9.2 Other information :</b> | No further relevant information available. |

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions :** No dangerous reactions known.
- **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 and carbon dioxide

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

<b>· LD/LC50 values relevant for classification:</b>		
<b>Polyalkyl ammonium salt</b>		
Oral	LD50	500 mg/kg (ATE)
<b>CAS: 64-02-8 tetrasodium ethylenediaminetetraacetate</b>		
Oral	LD50	500 mg/kg (ATE)
<b>CAS: 5064-31-3 trisodium nitrilotriacetate</b>		
Oral	LD50	1,450 mg/kg (rat)
<b>CAS: 1310-73-2 sodium hydroxide</b>		
Oral	LD50	2,000 mg/kg (rat)

- **Primary irritant effect:**
- **On the skin:** Based on available data, the classification criteria are not met.
- **On the eyes:** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitization** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **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.

GB

(Contd. on page 6)

## Safety data sheet according to 1907/2006/EC, Article 31

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Version number 1

Revision: 14.02.2022

Trade name: Eco Fluid

(Contd. of page 5)

### SECTION 12: Ecological information

#### · 12.1 Toxicity

##### · Aquatic toxicity:

CAS: 1310-73-2 sodium hydroxide

LC50 96h 35-189 mg/l (fish)

· 12.2 Persistence and degradability : No further relevant information available.

· 12.3 Bioaccumulative potential : No further relevant information available.

· 12.4 Mobility in soil : No further relevant information available.

#### · Additional ecological information:

##### · General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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

· PBT: Not applicable.

· vPvB: Not applicable.

· 12.6 Other adverse effects : No further relevant information available.

### SECTION 13: Disposal considerations

#### · 13.1 Waste treatment methods

· Recommendation : Smaller quantities can be disposed of with household waste.

##### · European Waste Catalogue

15 00 00	PACKAGING WASTE, ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING (NOT OTHERWISE SPECIFIED)
15 01 00	packaging (including separately collected municipal packaging waste)
15 01 02	plastic packaging
07 00 00	WASTES FROM ORGANIC CHEMICAL PROCESSES
07 06 00	wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics
07 06 01*	aqueous washing liquids and mother liquors

##### · Uncleaned packaging:

· Recommendation: Disposal must be made according to official regulations.

### SECTION 14: Transport information

#### · 14.1 UN-Number

· ADR, ADN, IMDG, IATA

Not classified as hazardous for transport

#### · 14.2 UN proper shipping name

· ADR, ADN, IMDG, IATA

Not classified as hazardous for transport

#### · 14.3 Transport hazard class(es)

· ADR, ADN, IMDG, IATA

· Class

Not classified as hazardous for transport

#### · 14.4 Packing group

· ADR, IMDG, IATA

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|--|-----------------|
| · 14.5 Environmental hazards:  |                 |
| · Marine pollutant:  | No              |
| · 14.6 Special precautions for user  | Not applicable. |
| · 14.7 Transport in bulk according to Annex II of<br>Marpol and the IBC Code | Not applicable. |

GB

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Version number 1

Revision: 14.02.2022

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(Contd. of page 6)

· **UN "Model Regulation":**

Not classified as hazardous for transport

### **SECTION 15: Regulatory information**

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### **SECTION 16: Other information**

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

- **Relevant phrases**

*H319 Causes serious eye irritation.*

- **Abbreviations and acronyms:**

*ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)*

*IMDG: International Maritime Code for Dangerous Goods*

*IATA: International Air Transport Association*

*GHS: Globally Harmonised System of Classification and Labelling of Chemicals*

*EINECS: European Inventory of Existing Commercial Chemical Substances*

*ELINCS: European List of Notified Chemical Substances*

*CAS: Chemical Abstracts Service (division of the American Chemical Society)*

*VOCV: Lenkungsabgabe auf flüchtigen organischen Verbindungen, Schweiz (Swiss Ordinance on volatile organic compounds)*

*DNEL: Derived No-Effect Level (REACH)*

*PNEC: Predicted No-Effect Concentration (REACH)*

*LC50: Lethal concentration, 50 percent*

*LD50: Lethal dose, 50 percent*

*PBT: Persistent, Bioaccumulative and Toxic*

*SVHC: Substances of Very High Concern*

*vPvB: very Persistent and very Bioaccumulative*

*Eye Irrit. 2: Serious eye damage/eye irritation – Category 2*