

Trade name: TORREY Weichlötflußmittel

Current version : 1.0.0, issued: 29.07.2014

Replaced version: -, issued: -

Region: GB

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade name

**TORREY Weichlötflußmittel****1.2 Relevant identified uses of the substance or mixture and uses advised against****Relevant identified uses of the substance or mixture**

sanitary and heating installations.

**1.3 Details of the supplier of the safety data sheet****Address**

Viega GmbH &amp; Co. KG

Viega Platz 1

57439 Attendorn

Telephone no. +49 2722 610

Fax no. + 49 2722 611415

**Information provided by / telephone**

+49 180 361-6062

**Advice on Safety Data Sheet**

sdb\_info@umco.de

**1.4 Emergency telephone number**

For medical advice (in German and English):

+49 (0)551 192 40 (Giftinformationszentrum Nord)

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification in accordance with Regulation (EC) No 1272/2008 (CLP)**

Acute Tox. 4; H302

Aquatic Chronic 3; H412

Eye Irrit. 2; H319

Skin Irrit. 2; H315

STOT SE 3; H335

**Classification in accordance with Directive 67/548/EEC or 1999/45/EC**

Xn; R22

Xi; R36/37/38

R52/53

**Classification information**

Classification and labelling with respect to corrosivity and irritation to skin are based on toxicological studies performed on the product (mixture).

Classification and labelling with respect to Serious eye damage/eye irritation are based on toxicological studies performed on the product (mixture).

Classification and labelling with respect to water pollution risks are based on ecotoxicological studies performed on the product (mixture).

**2.2 Label elements****Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)****Hazard pictograms**

GHS07

**Signal word**

Warning

Trade name: TORREY Weichlötflußmittel

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**Hazardous component(s) to be indicated on label:**

zinc chloride

**Hazard statements**

H302 Harmful if swallowed.  
 H315 Causes skin irritation.  
 H319 Causes serious eye irritation.  
 H335 May cause respiratory irritation.  
 H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements**

P273 Avoid release to the environment.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P312 Call a POISON CENTER/doctor if you feel unwell.  
 P501 Dispose of contents / container in accordance with local / regional / national / international regulations.

**2.3 Other hazards**

No data available.

**SECTION 3: Composition/information on ingredients****3.1 Substances**

Not applicable. The product is not a substance.

**3.2 Mixtures****Hazardous ingredients**

No	Substance name	Additional information	
	CAS / EC / Index / REACH no	Classification 67/548/EEC	Classification (EC) 1272/2008 (CLP)
1	<b>zinc chloride</b>		
	7646-85-7 231-592-0 030-003-00-2 -	C; R34 Xn; R22 N; R50/53	Acute Tox. 4*; H302 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 Skin Corr. 1B; H314
2	<b>Alcohols, C16-18, ethoxylated</b>		
	68439-49-6 500-212-8 - -	Xn; R22 Xi; R41	Acute Tox. 4; H302 Eye Dam. 1; H318
3	<b>ammonium chloride</b>		
	12125-02-9 235-186-4 017-014-00-8 -	Xn; R22 Xi; R36	Acute Tox. 4*; H302 Eye Irrit. 2; H319

Full Text for all R-phrases , H-phrases and EUH-phrases: pls. see section 16  
 (\*, \*\*, \*\*\*, \*\*\*\*) Detailed explanation pls. refer to CLP regulation No. 1272/2008, annex VI, 1.2

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
1	-	STOT SE 3; H335: C >= 5%	-	-

**SECTION 4: First aid measures****4.1 Description of first aid measures****General information**

In case of persisting adverse effects, consult a physician. If the patient is likely to become unconscious, place and transport in stable sideways position. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

**After inhalation**

Remove affected person from the immediate area. Ensure supply of fresh air.

Trade name: TORREY Weichlötflußmittel

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**After skin contact**

In case of contact with skin wash off immediately with copious amounts of water.

**After eye contact**

Remove contact lens. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Seek medical assistance.

**After ingestion**

Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Do not induce vomiting. Seek medical advice.

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

No data available.

**4.3 Indication of any immediate medical attention and special treatment needed**

No data available.

## SECTION 5: Firefighting measures

**5.1 Extinguishing media**

**Suitable extinguishing media**

Extinguishing measures to suit surroundings.

**Unsuitable extinguishing media**

No data available.

**5.2 Special hazards arising from the substance or mixture**

In the event of fire, the following can be released: Carbon dioxide (CO<sub>2</sub>); Carbon monoxide (CO); Hydrogen chloride (HCl)

**5.3 Advice for firefighters**

Use self-contained breathing apparatus. Wear protective clothing.

## SECTION 6: Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures**

**For non-emergency personnel**

Refer to protective measures listed in sections 7 and 8. Ensure adequate ventilation.

**For emergency responders**

No data available. Personal protective equipment (PPE) - see Section 8.

**6.2 Environmental precautions**

Do not discharge into the drains/surface waters/groundwater.

**6.3 Methods and material for containment and cleaning up**

Take up with absorbent material (e.g., sand, kieselguhr, universal binder). When picked up, treat material as prescribed under heading "Disposal considerations".

**6.4 Reference to other sections**

No data available.

## SECTION 7: Handling and storage

**7.1 Precautions for safe handling**

**Advice on safe handling**

No special measures necessary if stored and handled as prescribed. Provide good ventilation of working area (local exhaust ventilation, if necessary). Avoid eye, skin and clothing contact.

**General protective and hygiene measures**

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Wash hands before breaks and after work. Provide eye wash fountain in work area.

**Advice on protection against fire and explosion**

No special measures necessary.

Trade name: TORREY Weichlötflußmittel

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**7.2 Conditions for safe storage, including any incompatibilities**

**Technical measures and storage conditions**

Keep container tightly closed and dry in a cool, well-ventilated place.

**Requirements for storage rooms and vessels**

Always keep in containers of same material as the original one.

**Advice on storage assembly**

Do not store together with: Acids; Alkalis

**7.3 Specific end use(s)**

No data available.

**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters**

**Occupational exposure limit values**

No	Substance name	CAS no.	EC no.
1	hydrochloric acid	7647-01-0	231-595-7
<b>List of approved workplace exposure limits (WELs) / EH40</b>			
Hydrogen chloride			
gas and aerosol mists			
	STEL	8	mg/m <sup>3</sup> 5 ml/m <sup>3</sup>
	TWA	2	mg/m <sup>3</sup> 1 ml/m <sup>3</sup>
<b>2000/39/EWG</b>			
Hydrogen chloride			
	STEL	15	mg/m <sup>3</sup> 10 ml/m <sup>3</sup>
	TWA	8	mg/m <sup>3</sup> 5 ml/m <sup>3</sup>
2	ammonium chloride	12125-02-9	235-186-4
<b>List of approved workplace exposure limits (WELs) / EH40</b>			
Ammonium chloride			
fume			
	STEL	20	mg/m <sup>3</sup>
	TWA	10	mg/m <sup>3</sup>

**8.2 Exposure controls**

**Appropriate engineering controls**

No data available.

**Personal protective equipment**

**Respiratory protection**

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Respirator B E P3 EN 14387

**Eye / face protection**

Safety glasses (EN 166)

**Hand protection**

In case of intensive contact, wear protective gloves (EN 374). Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material rubber

Appropriate Material nitrile

**Other**

Protective work clothing.

**Environmental exposure controls**

No data available.



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**Solubility(ies)**

No data available

**Partition coefficient: n-octanol/water**

No data available

**Viscosity**

Value appr. 9 - 15 dPa\*s

**9.2 Other information****Other information**

No data available.

**SECTION 10: Stability and reactivity****10.1 Reactivity**

No data available.

**10.2 Chemical stability**

Stable under recommended storage and handling conditions (See section 7).

**10.3 Possibility of hazardous reactions**

No data available.

**10.4 Conditions to avoid**

No data available.

**10.5 Incompatible materials**

Acids; Alkalis

**10.6 Hazardous decomposition products**

In case of fire: see section 5

**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute oral toxicity (result of the ATE calculation for the mixture)**

No	Product Name
1	TORREY Weichlötflußmittel
ATE (Mixture)	1102.02
Method	Calculation method according Regulation (EC) No 1272/2008, (CLP), annex I, part 3, section 3.1.3.6.

**Acute oral toxicity**

No	Substance name	CAS no.	EC no.
1	zinc chloride	7646-85-7	231-592-0
LD50		350	mg/kg bodyweight
Species	rat		

**Acute dermal toxicity**

No data available

**Acute inhalational toxicity**

No data available

**Skin corrosion/irritation**

No	Product Name
1	TORREY Weichlötflußmittel
Species	rabbit
Method	OECD 404
Source	Manufacturer
Evaluation	irritant

Trade name: TORREY Weichlötlöflußmittel

Current version : 1.0.0, issued: 29.07.2014

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Serious eye damage/irritation	
No	Product Name
1	TORREY Weichlötlöflußmittel
Source	Manufacturer
Evaluation	slightly irritant
Respiratory or skin sensitisation	
No data available	
Germ cell mutagenicity	
No data available	
Reproduction toxicity	
No data available	
Carcinogenicity	
No data available	
STOT-single exposure	
No data available	
STOT-repeated exposure	
No data available	
Aspiration hazard	
No data available	

## SECTION 12: Ecological information

### 12.1 Toxicity

Toxicity to fish (acute)			
No	Product Name		
1	TORREY Weichlötlöflußmittel		
LC50	250	mg/l	
Duration of exposure	96	h	
Species	Leuciscus idus		
Method	OECD 203		
Source	Manufacturer		
Toxicity to fish (chronic)			
No data available			
Toxicity to Daphnia (acute)			
No	Product Name		
1	TORREY Weichlötlöflußmittel		
EC50	450	mg/l	
Duration of exposure	48	h	
Species	Daphnia magna		
Method	OECD 202		
Source	Manufacturer		
Toxicity to Daphnia (chronic)			
No data available			
Toxicity to algae (acute)			
No	Product Name		
1	TORREY Weichlötlöflußmittel		
IC50	40	mg/l	
Duration of exposure	72	h	
Species	Scenedesmus subspicatus		
Method	OECD 201		
Source	Manufacturer		





