

Trade name: TORREY Weichlötflußmittel**Product no.:** 109912**Current version :** 2.2.2, issued: 29.03.2021**Replaced version:** 2.2.1, issued: 16.04.2018**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.

Uses advised against

No data available.

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

Viega Technology GmbH & Co. KG

Viega Platz 1

57439 Attendorn

Telephone no. +49 2722 610

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Information provided by / telephone

+49 2722 61-1100

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 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

Hazardous component(s) to be indicated on label:

zinc chloride

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Hazard statement(s)

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 statement(s)

P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection.
P312	Call a POISON CENTER/doctor if you feel unwell.
P501	Dispose of contents/container to a facility 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 (EC) 1272/2008 (CLP)	Concentration
			%
1	zinc chloride		
	7646-85-7 231-592-0 030-003-00-2 -	Acute Tox. 4*; H302 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 Skin Corr. 1B; H314	> 10.00 - < 30.00 wt%
2	Alcohols, C16-18, ethoxylated		
	68439-49-6 500-212-8 - -	Acute Tox. 4; H302 Eye Dam. 1; H318	> 1.00 - < 5.00 wt%
3	ammonium chloride		
	12125-02-9 235-186-4 017-014-00-8 -	Acute Tox. 4*; H302 Eye Irrit. 2; H319	> 1.00 - < 5.00 wt%

Full Text for all 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%	-	-

Acute toxicity estimate (ATE) values

No	oral	dermal	inhalative
1	350 mg/kg bodyweight		

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

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

After skin contact

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

After eye contact

Remove contact lenses. 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 the 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 (CO₂); 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 collected, handle material as described under the section 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 at the work 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.

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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.

Incompatible products

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	zinc chloride	7646-85-7	231-592-0	
List of approved workplace exposure limits (WELs) / EH40				
Zinc Chloride fume				
	WEL short-term (15 min reference period)	2	mg/m ³	
	WEL long-term (8-hr TWA reference period)	1	mg/m ³	
2	hydrochloric acid	7647-01-0	231-595-7	
2000/39/EC				
Hydrogen chloride				
	WEL short-term (15 min reference period)	15	mg/m ³	10 ppm
	WEL long-term (8-hr TWA reference period)	8	mg/m ³	5 ppm
List of approved workplace exposure limits (WELs) / EH40				
Hydrogen Chloride gas and aerosol mists				
	WEL short-term (15 min reference period)	8	mg/m ³	5 ppm
	WEL long-term (8-hr TWA reference period)	2	mg/m ³	1 ppm
3	ammonium chloride	12125-02-9	235-186-4	
List of approved workplace exposure limits (WELs) / EH40				
Ammonium chloride				
fume				
	WEL short-term (15 min reference period)	20	mg/m ³	
	WEL long-term (8-hr TWA reference period)	10	mg/m ³	

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

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Other

Protective work clothing.

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

State of aggregation			
liquid			
Form/Colour			
liquid			
transparent			
Odour			
odourless			
pH value			
Value	3	-	4
Boiling point / boiling range			
Value	appr.	120	°C
Melting point/freezing point			
not determined			
Decomposition temperature			
No data available			
Flash point			
Value	>	102	°C
Ignition temperature			
No data available			
Flammability			
No data available			
Lower explosion limit			
No data available			
Upper explosion limit			
No data available			
Vapour pressure			
No data available			
Relative vapour density			
No data available			
Relative density			
No data available			
Density			
Value	appr.	1.15	g/cm ³
Reference temperature		20	°C
Solubility in water			
Comments	soluble		
Solubility			
No data available			
Partition coefficient n-octanol/water (log value)			
No data available			

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Viscosity	
Value	appr. 9 - 15 dPa*s

Particle characteristics	
No data available	

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 hazard classes as defined in Regulation (EC) No 1272/2008

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

Serious eye damage/irritation	
No	Product Name
1	TORREY Weichlötflußmittel
Source	Manufacturer

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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	

11.2 Information on other hazards

Endocrine disrupting properties

No data available.

Other information

No data available.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)			
No	Product Name		
1	TORREY Weichlötflußmittel		
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 Weichlötflußmittel		
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 Weichlötflußmittel		
IC50		40	mg/l
Duration of exposure		72	h
Species	Scenedesmus subspicatus		
Method	OECD 201		
Source	Manufacturer		

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Toxicity to algae (chronic)

No data available

Bacteria toxicity

No data available

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

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****Product**

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residues must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

SECTION 14: Transport information**14.1 Transport ADR/RID/ADN**

The product is not subject to ADR/RID/ADN regulations.

14.2 Transport IMDG

The product is not subject to IMDG regulations.

14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user

No data available.

14.7 Maritime transport in bulk according to IMO instruments

Not relevant

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations****Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)**

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According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.
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REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.
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Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES

The product is considered being subject to REACH regulation (EC) 1907/2006 annex XVII.	No 3
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The product contains following substance(s) that are considered being subject to REACH regulation (EC) 1907/2006 annex XVII.
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No	Substance name	CAS no.	EC no.	No
1	ammonium chloride	12125-02-9	235-186-4	65

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This product is not subject to Part 1 or 2 of Annex I.
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15.2 Chemical safety assessment

No data available.

SECTION 16: Other information**Sources of key data used to compile the data sheet:**

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Creation of the safety data sheet

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

Alterations/supplements:

Alterations to the previous edition are marked in the left-hand margin.

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Prod-ID 640680