

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Name of product	Lötlwasser säurefrei 1000 ml
Manufacturer/distributor	TGK GmbH Helleforthstraße 18 - 20, D-33758 Schloß Holte - Stukenbrock Phone 05207 91280, Fax 05207 912840 E-Mail tgk@tgk.de Internet www.tgk.de
Advice	Phone 05207 91280 Fax 05207 912840
Emergency advice	Phone 05207 91280

2. HAZARDS IDENTIFICATION

Classification

Xi; R36/38

R-phrases

36/38 Irritating to eyes and skin.

Special hazards information for humans and environment

Irritating to eyes and skin.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients

CAS No	EC No	Name	[%]	Classification
7646-85-7	231-592-0	zinc chloride	< 10	Xn R22; C R34; N R50-53

4. FIRST AID MEASURES

General information

Remove contaminated soaked clothing immediately.

In case of inhalation

Ensure of fresh air.

Seek medical treatment immediately.

In case of skin contact

In case of contact with skin wash off immediately with plenty of water.

Remove contaminated clothing immediately, even underwear and shoes.

In case of eye contact

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

Medical treatment by eye specialist.

In case of ingestion

Do not give neutralising liquids.
Do not induce vomiting.
Call for a doctor immediately.
Rinse out mouth and give plenty of water to drink.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Fire-extinguishing activities according to surrounding.

Extinguishing media which must not be used for safety reasons

no

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

In the event of fire the following can be released:

Hydrogen chloride (HCl)

Chlorine (Cl₂)

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Use personal protective clothing.

Environmental precautions

Do not discharge into the drains or bodies of water..

Do not discharge into the subsoil/soil.

Methods for cleaning up

Take up with absorbent material.

After taking up the material dispose according to regulation.

Additional Information

Informations for safe handling see chapter 7.

Informations for personal protective equipment see chapter 8.

Informations for disposal see chapter 13.

7. HANDLING AND STORAGE

Requirements for storage rooms and vessels

Keep only in original container.

Advice on storage compatibility

Do not store together with food.

Further information on storage conditions

Keep container tightly closed.

Store in a dry place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Hand protection

Protective gloves

Eye protection

safety goggles

Skin protection

protective clothing

General protective measures

Avoid contact with the skin.

Avoid contact with the eyes.

Hygiene measures

Do not eat or drink when working.

Do not smoke when working.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form

liquid

Colour

colourless, clear

Odour

no

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value in delivery state	ca. 5	20 °C			
starts to boil	ca. 100 °C				
solidifying point	<= 0 °C				
Flash point	not determined				
Vapour pressure	ca. 18 Torr	20 °C			
Density	ca. 1,09 g/cm ³	20 °C			
Solubility in water					miscible
Viscosity 1 not determined		20 °C			

10. STABILITY AND REACTIVITY

11. TOXICOLOGICAL INFORMATION

Acute toxicity/Irritability/Sensitization

	Value/Validation	Species	Method	Remark
LD 50 acute oral	3500 mg/kg	rat		
Irritability skin	irritant			
Irritability eye	irritant			

Experiences made from practice

Irritates mucous membranes.

Irritates eyes and skin.

12. ECOLOGICAL INFORMATION

General regulation

Product is not allowed to be discharged into the ground water or aquatic environment.

13. DISPOSAL CONSIDERATIONS

Recommendations for the product

In accordance with regulations for special waste, must be taken after pretreatment to an authorised special waste disposal site or incineration plant.

Recommendations for packaging

Uncontaminated packaging may be taken for recycling.
Totally emptied packaging may be taken for recycling.

14. TRANSPORT INFORMATION

Land and inland navigation transport ADR/RID

No hazardous material as defined by the prescriptions.

15. REGULATORY INFORMATION

Classification

Xi Irritant

R-phrases

36/38 Irritating to eyes and skin.

S-phrases

2 Keep out of the reach of children.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

28 After contact with skin, wash immediately with plenty of water.

National regulations

Decree for case of interference/remarks Accident decree, addendum II: not named.

Water hazard class 1 self-classification

Other regulations, restrictions and prohibition regulations

no

16. OTHER INFORMATION

Further information

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Wording of the R-phrases specified in chapter 2 (not the classification of the formulation!)

R 22 Harmful if swallowed.

R 34 Causes burns.

R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.