

## SAFETY DATA SHEET

### LÖDVATTEN 61100103

Last changed: 22/08/2012

Replaces date: 15/08/2006

Internal No: 61100103

#### 1 Identification of the substance/mixture and of the company/undertaking

##### 1.1 Product identifier

Trade name / designation LÖDVATTEN 61100103

##### 1.2 Relevant identified uses of the substance or mixture and uses advised against

##### 1.3 Details of the supplier of the safety data sheet

###### NATIONAL MANUFACTURER/IMPORTER

Enterprise STANNOL  
Address POSTFACH 201861  
Postal code D-42218 WUPPERTAL  
Country Tyskland  
E-mail werner.kruppa@stannol.de  
Telephone +49 202 5850

#### 2 Hazards identification

##### 2.1 Classification of the substance or mixture

DPD Classification: Xi; R36/38, N; R51/53

CLP Classification: Skin Irrit. 2H315, Eye Irrit. 2H319, Aquatic Chronic 2H411

Most important HSE hazard effects: Causes skin irritation. Causes serious eye irritation. Toxic to aquatic life with long lasting effects.

##### 2.2 Label elements



Signal word: None

EC-Label: No

##### COMPOSITION

ammonium chloride (< 1 %), Zinkchlorid (< 10 %)

###### H Statements

H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H411 Toxic to aquatic life with long lasting effects.

##### 2.3 Other hazards

#### 3 Composition/information on ingredients

##### 3.2 Mixtures

## SAFETY DATA SHEET

### LÖDVATTEN 61100103

Last changed: 22/08/2012

Replaces date: 15/08/2006

Internal No: 61100103

Ingredient name	Reg.No	EC No.	CAS No.	Conc. (wt%)	DPD-Classification	CLP-classification
ammonium chloride		235-186-4	12125-02-9	< 1 %	Xn,R22 - R36	Acute Tox. 4 H302 Eye Irrit. 2 H319
Zinkklorid		231-592-0	7646-85-7	< 10 %	C,N,R34 - R50/53	Skin Corr. 1B H314 Aquatic Chronic 1 H410

Full text of R-, H- and EUH-phrases: see section 16.

The EUH hazard statements mentioned in CLP-classification are only label elements.

#### 4 First aid measures

##### 4.1 Description of first aid measures

###### INHALATION

Fresh air. For breathing difficulties oxygen may be necessary.

###### INGESTION

Contact physician.

###### SKIN CONTACT

Wash skin with soap and water. Consult a doctor if symptoms should occur.

###### EYE CONTACT

Rinse immediately with plenty of water. Splash in eye requires examination by eye specialist.

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

###### MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Inhalation of smoke may cause irritation of the respiratory tract. At high concentrations, may cause smarting, coughing and breathing difficulties.

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

###### INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Treat symptomatically.

#### 5 Fire-fighting measures

##### 5.1 Extinguishing media

###### SUITABLE EXTINGUISHING MEDIA:

All common fire extinguishing agents may be used.

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

###### SPECIAL HAZARDS

Fire causes formation of toxic gases.

##### 5.3 Advice for fire-fighters

###### ADVICE FOR FIREFIGHTERS

Use breathing apparatus. Use suitable protective gloves and protective clothes if there is risk of direct contact or splashing.

#### 6 Accidental release measures

## SAFETY DATA SHEET

### LÖDVATTEN 61100103

Last changed: 22/08/2012

Replaces date: 15/08/2006

Internal No: 61100103

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

#### 6.2 Environmental precautions

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

#### 6.4 Reference to other sections

### 7 Handling and Storage

#### 7.1 Precautions for safe handling

##### PRECAUTION FOR SAFE HANDLING

All handling to take place in well ventilated area. Avoid breathing fire vapours. Wash at the end of each work shift and before eating, smoking and using the toilet.

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

##### CONDITION FOR SAFE STORAGE, INCLUDING ANY UNCOMPATIBILITIES

Store dry.

#### 7.3 Specific end uses

### 8 Exposure controls / Personal protection

#### 8.1 Control parameters

#### 8.2 Exposure controls

##### EYE PROTECTION

Use safety goggles and face shield in case of splash risk.

##### HAND PROTECTION

Use suitable protective gloves made of nitrile rubber.

##### RESPIRATORY PROTECTION

Use breathing apparatus in the event of insufficient ventilation.

### 9 Physical and chemical Properties

#### 9.1 Information on basic physical and chemical properties

**PHYSICAL STATE** Liquid. Not translated to English

**COLOUR** Colourless. Not translated to English

**ODOUR** Odourless.

## SAFETY DATA SHEET

### LÖDVATTEN 61100103

Last changed: 22/08/2012

Replaces date: 15/08/2006

Internal No: 61100103

Parameter	Value/unit	Method/reference	Observation
pH concentrate	4,2		
pH in solution	No data		
Melting point	No data		
Freezing point	No data		
Initial boiling point and boiling range	> 100 °C		
Flash point	No data		
Evaporation rate	No data		
Flammability (solid, gas)	No data		
Flammability limits	No data		
Explosion limits	No data		
Vapour pressure	20 mbar		
Vapour density	No data		
Relative density	No data		
Partition coefficient	No data		
Auto-ignition temprature	No data		
Decomposition temprature	No data		
Viscosity	No data		

### 9.2 Other safety information

Parameter	Value/unit	Method/reference	Observation
Density	1,099 g/ml		

Note no.	Comments

### 10 Stability and Reactivity

#### 10.1 Reactivity

#### 10.2 Chemical stability

#### 10.3 Possibility of hazardous reactions

#### 10.4 Conditions to avoid

##### CONDITIONS TO AVOID

Strong oxidizing agent. Strong acids. Strong alkalis.

#### 10.5 Incompatible materials

#### 10.6 Hazardous decomposition products:

### 11 Toxicological information

#### 11.1 Toxicological effects

Zinkklorid				
Route of exposure	Exposure time	Value/unit	Species	Source
LD50 (Oral)		350 mg/kg	Mus	

### 12 Ecological information

#### 12.1 Toxicity

##### ECOTOXICITY

Dangerous for the environment

## SAFETY DATA SHEET

### LÖDVATTEN 61100103

Last changed: 22/08/2012

Replaces date: 15/08/2006

Internal No: 61100103

#### 12.2 Persistence and degradability

##### DEGRADABILITY

Not translated to English

#### 12.3 Bioaccumulative potential

##### ACCUMULATION

Not translated to English

#### 12.4 Mobility in soil

#### 12.5 Results of PBT and vPvB assessment

#### 12.6 Other adverse effects

### 13 Disposal considerations

#### 13.1 Waste treatment methods

##### GENERAL REGULATIONS

Treat as dangerous waste. Local and EU regulations for refuse treatment must be followed.

### 14 Transport information

Classified as Dangerous Goods: Yes

#### Land transport (ADR/RID)

14.1 UN-No.	3082	14.4 Packing group	III
14.2 Proper Shipping Name		14.5 Environmental hazards	
14.3 Class(es)	9		
Hazard label(s)			
Hazard ID:		Tunnel restriction code	

#### Inland water ways transport (ADN)

14.1 UN-No.	3082	14.4 Packing group	III
14.2 Proper Shipping Name		14.5 Environmental hazards	
14.3 Class(es)	9		
Environmentally hazardous in tank-vessels			

## SAFETY DATA SHEET

### LÖDVATTEN 61100103

Last changed: 22/08/2012

Replaces date: 15/08/2006

Internal No: 61100103

#### Sea transport (IMDG)

14.1 UN-No.	3082		14.4 Packing group	III
14.2 Proper Shipping Name			14.5 Environmental hazards	
14.3 Class(es)	9			
Sub Risk:				
IMDG Code segregation group				
Marine pollutant	Ja			
EMS:				

#### Air transport (ICAO-TI / IATA-DGR)

14.1 UN-No.	3082		14.4 Packing group	III
14.2 Proper Shipping Name			14.5 Environmental hazards	
14.3 Class(es)	9			
Hazard label(s)				

### 15 Regulatory information

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

**15.2 Chemical Safety Assessment**

### 16 Other information

#### LIST OF RELEVANT R-PHRASES

R22	Harmful if swallowed.
R34	Causes burns.
R36	Irritating to eyes.
R36/38	Irritating to eyes and skin.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### LIST OF RELEVANT H-STATEMENTS

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.