

SAFETY DATA SHEET

LÖDSTEN 61110102

Last changed: 22/08/2012

Replaces date: 28/05/2009

Internal No: 61110102

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

1.1 Product identifier

Trade name / designation LÖDSTEN 61110102

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

RELEVANT IDENTIFIED USES Not translated to English
Soldering products

Vendor art. number

61120101

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: Xn; R22, Xi; R36

CLP Classification: Acute Tox. 4H302, Eye Irrit. 2H319

Most important HSE hazard effects: Harmful if swallowed. Causes serious eye irritation.

2.2 Label elements



Signal word: None

EC-Label: No

COMPOSITION

ammonium chloride (100 %)

H Statements

H302 Harmful if swallowed.
H319 Causes serious eye irritation.

2.3 Other hazards

3 Composition/information on ingredients

3.2 Mixtures

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Ingredient name	Reg.No	EC No.	CAS No.	Conc. (wt%)	DPD-Classification	CLP-classification
ammonium chloride		235-186-4	12125-02-9	100 %	Xn,R22 - R36	Acute Tox. 4 H302 Eye Irrit. 2 H319

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.

INGESTION

Drink plenty of water. DO NOT INDUCE VOMITING! Contact physician. If possible, show the label.

SKIN CONTACT

Wash skin with soap and water. Remove contaminated clothing.

EYE CONTACT

Rinse the eye with water immediately. Hold eyelids apart. Contact physician.

4.2 Most important symptoms and effects, both acute and delayed

4.3 Indication of any immediate medical attention and special treatment needed

5 Fire-fighting measures

5.1 Extinguishing media

SUITABLE EXTINGUISHING MEDIA:

Can be extinguished with water mist, powder, foam or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

5.3 Advice for fire-fighters

ADVICE FOR FIREFIGHTERS

Use compressed air breathing apparatus and protective clothing intended for fire fighting.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

PERSONAL PRECAUTIONS

Avoid inhalation and contact with skin and eyes. Do not breathe dust.

6.2 Environmental precautions

6.3 Methods and material for containment and cleaning up

METHODS AND MATERIAL

Shovel into dry containers. Cover and move the containers. Flush the area with water. Wash contaminated surfaces with water.

6.4 Reference to other sections

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7 Handling and Storage

7.1 Precautions for safe handling

PRECAUTION FOR SAFE HANDLING

Avoid direct contact. Wash your hands thoroughly after handling and before eating or smoking.

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 approved safety goggles or face shield.

SKIN PROTECTION

Wear suitable protective clothing.

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 Solid. Not translated to English

COLOUR Colourless. Not translated to English

ODOUR Odourless.

Parameter	Value/unit	Method/reference	Observation
pH concentrate	~ 5		
pH in solution	No data		
Melting point	335 °C		
Freezing point	No data		
Initial boiling point and boiling range	No data		
Flash point	No data		
Evaporation rate	No data		
Flammability (solid, gas)	No data		
Flammability limits	No data		
Explosion limits	No data		
Vapour pressure	1,3 hPa		
Vapour density	No data		
Relative density	No data		
Partition coefficient	No data		
Auto-ignition temperature	> 400 °C		
Decomposition temperature	No data		
Viscosity	No data		

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9.2 Other safety information

Parameter	Value/unit	Method/reference	Observation
Density	1,52 g/ml		

Note no.	Comments
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10 Stability and Reactivity

10.1 Reactivity

10.2 Chemical stability

CHEMICAL STABILITY

Stable.

10.3 Possibility of hazardous reactions

POSSIBILITY OF HAZARDOUS REACTIONS

Strong oxidizing agent.

10.4 Conditions to avoid

CONDITIONS TO AVOID

Heat.

10.5 Incompatible materials

10.6 Hazardous decomposition products:

11 Toxicological information

11.1 Toxicological effects

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Route of exposure	Exposure time	Value/unit	Species	Source
LD50 (Oral)		1300 mg/kg	mus	

ACUTE TOXICITY - INHALATION

May irritate the respiratory organs. Coughing and shortness of breath.

SERIOUS EYE DAMAGE/IRRITATION

Irritation of eyes and mucous membranes.

12 Ecological information

12.1 Toxicity

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Test	Exposure time	Value/unit	Species	Source
LC50 (Acute fish)	96 tim	209 mg/l	C Carpio	

12.2 Persistence and degradability

12.3 Bioaccumulative potential

ACCUMULATION

Bioaccumulation improbable.

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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

Contact an approved contractor for destruction. Local and EU regulations for refuse treatment must be followed.

CATEGORY OF WASTE

NOT TRANSLATED

14 Transport information

Classified as Dangerous Goods: No

Land transport (ADR/RID)

14.1 UN-No.	Not applicable.	14.4 Packing group	Not applicable.
14.2 Proper Shipping Name	Not applicable.	14.5 Environmental hazards	Not applicable.
14.3 Class(es)	Not applicable.		
Hazard label(s)	Not applicable.		
Hazard ID:	Not applicable.	Tunnel restriction code	Not applicable.

Inland water ways transport (ADN)

14.1 UN-No.	Not applicable.	14.4 Packing group	Not applicable.
14.2 Proper Shipping Name	Not applicable.	14.5 Environmental hazards	Not applicable.
14.3 Class(es)	Not applicable.		
Environmentally hazardous in tank-vessels	Not applicable.		

Sea transport (IMDG)

14.1 UN-No.	Not applicable.	14.4 Packing group	Not applicable.
14.2 Proper Shipping Name	Not applicable.	14.5 Environmental hazards	Not applicable.
14.3 Class(es)	Not applicable.		
Sub Risk:	Not applicable.		
IMDG Code segregation group	Not applicable.		
Marine pollutant	Not applicable.		
EMS:	Not applicable.		

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Air transport (ICAO-TI / IATA-DGR)

14.1 UN-No.	Not applicable.	14.4 Packing group	Not applicable.
14.2 Proper Shipping Name	Not applicable.	14.5 Environmental hazards	Not applicable.
14.3 Class(es)	Not applicable.		
Hazard label(s)	Not applicable.		

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.
R36	Irritating to eyes.

LIST OF RELEVANT H-STATEMENTS

H302	Harmful if swallowed.
H319	Causes serious eye irritation.