

# SAFETY DATA SHEET

## LÖDTRÅD HF 32 61080255

Last changed: 22/08/2012

Replaces date: 13/09/2006

Internal No: 61080255

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

#### 1.1 Product identifier

Trade name / designation LÖDTRÅD HF 32 61080255

#### 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:

CLP Classification:

Most important HSE hazard effects:

#### 2.2 Label elements

Signal word: None

EC-Label: No

##### COMPOSITION

Tenn (< 60 %), Koppar (< 2 %), Bly (~ 34,5 %), Kolofonium (< 3,5 %)

##### SUPPLEMENTAL HAZARD INFORMATION (EU)

Not classified.

#### 2.3 Other hazards

### 3 Composition/information on ingredients

#### 3.2 Mixtures

Ingredient name	Reg.No	EC No.	CAS No.	Conc. (wt%)	DPD-Classification	CLP-classification
Tenn			7440-31-5	< 60 %		
Koppar			7440-50-8	< 2 %		
Bly			7439-92-1	~ 34,5 %		
Kolofonium			8050-09-7	< 3,5 %	Xi,R43	Skin Sens. 1 H317

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

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## 4.1 Description of first aid measures

### INHALATION

Move the exposed person to fresh air at once. Contact physician if irritation persists.

### INGESTION

Consult a physician for specific advice.

### SKIN CONTACT

Contact physician if irritation persists.

### EYE CONTACT

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

### GENERAL

Place unconscious person on the side in the recovery position and ensure breathing can take place. In the event of breathing difficulties, administer artificial respiration or oxygen.

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

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

Inhalation of high concentrations may cause coughing and irritation in the nose and throat. Prolonged or repeated exposure to this chemical may cause: Coughing and shortness of breath. Treat symptomatically.

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

## 5 Fire-fighting measures

### 5.1 Extinguishing media

#### SUITABLE EXTINGUISHING MEDIA:

Use extinguishing media appropriate for surrounding fire.

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

### 5.3 Advice for fire-fighters

#### ADVICE FOR FIREFIGHTERS

Use a respirator and other protective equipment. Avoid contact with skin and eyes.

## 6 Accidental release measures

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

### 6.2 Environmental precautions

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

#### METHODS AND MATERIAL

Collect the spillage into suitable containers.

### 6.4 Reference to other sections

## 7 Handling and Storage

### 7.1 Precautions for safe handling

#### PRECAUTION FOR SAFE HANDLING

Use only in well-ventilated areas. Avoid breathing fire vapours. Wash your hands thoroughly after handling and before eating or smoking. Wash with warm water.

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

### 7.3 Specific end uses

### 8 Exposure controls / Personal protection

#### 8.1 Control parameters

##### OEL value

Ingredient name	CAS no.	Range	ppm	mg/m3	Year	Notification
Koppar	7440-50-8	8 h		1		
Tenn	7440-31-5	8 h		2		

R=Toxic for reproduction, H=Skin absorption, K=Carcinogenic, A=Sensitising, T=Upper limit, M=Mutagenic

#### 8.2 Exposure controls

##### EYE PROTECTION

Wear eye/face protection.

##### HAND PROTECTION

Use protective gloves. NOT TRANSLATED

##### RESPIRATORY PROTECTION

Breathing apparatus must be used if the limit values are exceeded.

### 9 Physical and chemical Properties

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

**PHYSICAL STATE** Solid.

**COLOUR** Grey.

**ODOUR** Odour-free.

Parameter	Value/unit	Method/reference	Observation
pH concentrate	No data		
pH in solution	No data		
Melting point	> 183 °C		
Freezing point	No data		
Initial boiling point and boiling range	1735 °C	bly	
Flash point	No data		
Evaporation rate	No data		
Flammability (solid, gas)	No data		
Flammability limits	No data		
Explosion limits	No data		
Vapour pressure	No data		
Vapour density	No data		
Relative density	No data		
Partition coefficient	No data		
Auto-ignition temperature	No data		
Decomposition temperature	No data		
Viscosity	No data		

#### 9.2 Other safety information

Parameter	Value/unit	Method/reference	Observation
Density	8,2 - 9,3 g/cm <sup>3</sup>	vid 20°C	

Note no.	Comments
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### 10 Stability and Reactivity

#### 10.1 Reactivity

#### 10.2 Chemical stability

#### 10.3 Possibility of hazardous reactions

##### POSSIBILITY OF HAZARDOUS REACTIONS

May react with strongly oxidising substances.

#### 10.4 Conditions to avoid

#### 10.5 Incompatible materials

#### 10.6 Hazardous decomposition products:

### 11 Toxicological information

#### 11.1 Toxicological effects

##### Bly

Route of exposure	Exposure time	Value/unit	Species	Source
LD50 (Dermal)		1000 mg/kg	råtta	
LD50 (Oral)		160 mg/kg	duva	

#### ACUTE TOXICITY - DERMAL

May cause symptoms of poisoning in the event of protracted or repeated exposure.

#### ACUTE TOXICITY - INHALATION

Vapour from heated material may irritate the eyes and respiratory organs.

### 12 Ecological information

#### 12.1 Toxicity

#### 12.2 Persistence and degradability

##### DEGRADABILITY

Not degradable.

#### 12.3 Bioaccumulative potential

#### 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

Collect in containers for recycling or dumping. Local and EU regulations for refuse treatment must be followed.

#### CATEGORY OF WASTE

EWC 08 01 20

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## 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.		

### 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

R43 May cause sensitisation by skin contact.

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### LIST OF RELEVANT H-STATEMENTS

H317 May cause an allergic skin reaction.