

SAFETY DATA SHEET

LÖDTRÅD HF 32 61080206

Last changed: 22/08/2012

Replaces date: 13/09/2006

Internal No: 61080206

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

1.1 Product identifier

Trade name / designation LÖDTRÅD HF 32 61080206

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

SAFETY DATA SHEET

LÖDTRÅD HF 32 61080206

Last changed: 22/08/2012

Replaces date: 13/09/2006

Internal No: 61080206

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.

SAFETY DATA SHEET

LÖDTRÅD HF 32 61080206

Last changed: 22/08/2012

Replaces date: 13/09/2006

Internal No: 61080206

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 ³	vid 20°C	

Note no.	Comments
----------	----------

SAFETY DATA SHEET

LÖDTRÅD HF 32 61080206

Last changed: 22/08/2012

Replaces date: 13/09/2006

Internal No: 61080206

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

SAFETY DATA SHEET

LÖDTRÅD HF 32 61080206

Last changed: 22/08/2012

Replaces date: 13/09/2006

Internal No: 61080206

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.

SAFETY DATA SHEET

LÖDTRÅD HF 32 61080206

Last changed: 22/08/2012

Replaces date: 13/09/2006

Internal No: 61080206

LIST OF RELEVANT H-STATEMENTS

H317 May cause an allergic skin reaction.