

## SAFETY DATA SHEET

### LÖDTRÅD BLYFRI 139650402

Last changed: 14/05/2012

Internal No: 139650402

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

##### 1.1 Product identifier

Trade name / designation    LÖDTRÅD BLYFRI 139650402

##### 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

Silver (3,6 - 4 %), Koppar (0,6 - 0,8 %), Kolofonium (< 3,5 %), Tenn (~ 92 %)

###### 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
Silver			7440-22-4	3,6 - 4 %		
Koppar			7440-50-8	0,6 - 0,8 %		
Kolofonium			8050-09-7	< 3,5 %	Xi,R43	Skin Sens. 1 H317
Tenn			7440-31-5	~ 92 %		

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

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

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#### 4 First aid measures

##### 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

Get medical attention if irritation persists after washing.

###### 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. When breathing is difficult, properly trained personnel may assist affected person by administering 100 % oxygen.

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

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

May cause coughing and breathing difficulties on protracted or repeated exposure.

##### 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:

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

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#### 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.

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

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

Keep container dry. Keep in a cool place.

##### 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
Silver	7440-22-4	8 h		0,1	2001	
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

goggles

###### HAND PROTECTION

Protective gloves, heat insulating.

###### 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

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Parameter	Value/unit	Method/reference	Observation
pH concentrate	No data		
pH in solution	No data		
Melting point	217 °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	No data		
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	7 - 8 g/cm <sup>3</sup>		

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

#### 10.5 Incompatible materials

#### 10.6 Hazardous decomposition products:

### 11 Toxicological information

#### 11.1 Toxicological effects

### 12 Ecological information

#### 12.1 Toxicity

#### 12.2 Persistence and degradability

#### 12.3 Bioaccumulative potential

#### 12.4 Mobility in soil

#### 12.5 Results of PBT and vPvB assessment

#### 12.6 Other adverse effects

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#### 13 Disposal considerations

##### 13.1 Waste treatment methods

##### GENERAL REGULATIONS

Collect in containers for recycling or dumping. Observe local regulations.

#### 14 Transport information

Classified as Dangerous Goods: **No**

##### Land transport (ADR/RID)

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

##### Inland water ways transport (ADN)

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

##### Sea transport (IMDG)

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

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

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

#### 15 Regulatory information

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#### 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.

##### LIST OF RELEVANT H-STATEMENTS

H317 May cause an allergic skin reaction.