

SAFETY DATA SHEET

LÖDTRÅD HS10 33880402

Last changed: 26/06/2012

Internal No: 33880402

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

1.1 Product identifier

Trade name / designation LÖDTRÅD HS10 33880402

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

Declaration number (PRN-no.)

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 (< 40 %), Bly (~ 56,5 %), Kolofonium (< 3,5 %)

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 | < 40 % | | |
| Bly | | | 7439-92-1 | ~ 56,5 % | R20/22 - R33 - R61 - R62 | Acute Tox. 4 H302/332 Repr. 1B H360 STOT RE 2 H373 EUH201A |
| 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.

SAFETY DATA SHEET

LÖDTRÅD HS10 33880402

Last changed: 26/06/2012

Internal No: 33880402

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

If the patient is unconscious, but breathing, maintain open airways and place in stable position on one side.
In the event of breathing difficulties, administer artificial respiration or oxygen.

4.2 Most important symptoms and effects, both acute and delayed

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

SAFETY DATA SHEET

LÖDTRÅD HS10 33880402

Last changed: 26/06/2012

Internal No: 33880402

7 Handling and Storage

7.1 Precautions for safe handling

PRECAUTION FOR SAFE HANDLING

Provide good ventilation.

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

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 |
|-----------------|-----------|---------|-----|-------|------|--------------|
| Bly | 7439-92-1 | 15 min. | | 0,05 | 2001 | |
| Bly | 7439-92-1 | 8 h | | 0,1 | 2001 | |

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

8.2 Exposure controls

APPROPRIATE ENGINEERING CONTROLS

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

HAND PROTECTION

Protective gloves, heat insulating.

OTHER INFORMATION

9 Physical and chemical Properties

9.1 Information on basic physical and chemical properties

PHYSICAL STATE Not translated to English

COLOUR Not translated to English

ODOUR Not translated to English

SAFETY DATA SHEET

LÖDTRÅD HS10 33880402

Last changed: 26/06/2012

Internal No: 33880402

| 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 |
|----------|----------|
| | |

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:

HAZARDOUS DECOMPOSITION PRODUCTS

Possible reaction products i welding fume

11 Toxicological information

11.1 Toxicological effects

| LÖDTRÅD HS10 33880402 | | | | |
|-----------------------|---------------|------------|---------|--------|
| Route of exposure | Exposure time | Value/unit | Species | Source |
| LD50 (Dermal) | | 1000 mg/kg | råtta | |
| LD50 (Oral) | | 160 mg/kg | duva | |

12 Ecological information

12.1 Toxicity

12.2 Persistence and degradability

SAFETY DATA SHEET

LÖDTRÅD HS10 33880402

Last changed: 26/06/2012

Internal No: 33880402

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

Waste must be disposed of at approved landfill / waste storage or treatment facility. EWC 080120 Collect in containers for recycling or dumping.

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. | | |

SAFETY DATA SHEET

LÖDTRÅD HS10 33880402

Last changed: 26/06/2012

Internal No: 33880402

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

| | |
|--------|--|
| R20/22 | Harmful by inhalation and if swallowed. |
| R33 | Danger of cumulative effects. |
| R43 | May cause sensitisation by skin contact. |
| R61 | May cause harm to the unborn child. |
| R62 | Possible risk of impaired fertility. |

LIST OF RELEVANT H-STATEMENTS

| | |
|----------|--|
| H317 | May cause an allergic skin reaction. |
| H360 | May damage fertility or the unborn child. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H302/332 | Harmful if swallowed or if inhaled. |
| EUH201A | Warning! Contains lead. |