

## SAFETY DATA SHEET

### SOLDERING WIRE Arax (with flux) 33870502

Last changed: 24/01/2014

Replaces date: 02/07/2012

Internal No: 33870502

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

##### 1.1 Product identifier

Trade name / designation SOLDERING WIRE Arax (with flux) 33870502

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

RELEVANT IDENTIFIED USES Soldering products

USES ADVISED AGAINST Not known

##### 1.3 Details of the supplier of the safety data sheet

###### NATIONAL MANUFACTURER/IMPORTER

Enterprise Stannol GmbH  
Address Oskarstrasse 3-7  
Postal code DE-42283 Wuppertal  
Country Tyskland  
E-mail sven.moeninghoff@stannol.de  
Telephone +49 202 585 129  
Fax +49 202 585 155

##### 1.4 Emergency Telephone Number

Emergency Phone	Type of assistance	Opening Hours
+46 11 24 84 84	Swed Handling AB	

#### 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 (4,5 - 64,5 %), Bly (35,5 - 95,5 %)

###### SUPPLEMENTAL HAZARD INFORMATION (EU)

Not classified.

##### 2.3 Other hazards

###### OTHER HAZARDS

Unassigned

#### 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
Tenn			7440-31-5	4,5 - 64,5 %		
Bly			7439-92-1	35,5 - 95,5 %		

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

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

###### INGESTION

Rinse the mouth with water. Consult a doctor if symptoms should occur.

###### SKIN CONTACT

Rinse the skin immediately with lots of water. Get medical attention if irritation persists after washing. Hot product: Soak or rinse the affected area immediately with large amounts of cold water so that the heat is led away. Cover with clean cotton bandage or gauze and seek medical advice immediately.

###### EYE CONTACT

Remove contact lenses. Rinse the eye with water immediately. Get medical attention if irritation persists after washing.

###### BURNS

No information available

###### GENERAL

No information available

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

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

No information available

##### 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.

###### UNSUITABLE EXTINGUISHING MEDIA

Water

Carbondioxide.

Foam.

###### EXTINGUISHING METHODS

No information available

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

##### SPECIAL HAZARDS

The product itself does not burn. Hot melt.

#### 5.3 Advice for fire-fighters

##### ADVICE FOR FIREFIGHTERS

Full protective clothing must be worn. Use breathing apparatus.

#### OTHER INFORMATION

Use fine water to cool unopened containers. Water runoff can harm the environment.

#### 6 Accidental release measures

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

###### PERSONAL PRECAUTIONS

No information available

###### FOR NON-EMERGENCY PERSONNEL

Keep unnecessary people away, isolate hazard area and deny entry. Wear necessary protective equipment. Use only in well-ventilated areas.

###### FOR EMERGENCY RESPONDERS

No information available

##### 6.2 Environmental precautions

###### ENVIRONMENTAL PRECAUTIONS

In the event of major emissions, contact the relevant authorities. Avoid discharges into water environments.

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

###### METHODS AND MATERIAL

Not miscible with water. Absorb in an inert material (sand, vermiculite, etc.) and collect into a suitable container. Prevent the spillage from reaching watercourses or the sewage system and contaminating the soil and vegetation.

##### 6.4 Reference to other sections

###### REFERENCES

Wear personal protective equipment in accordance with paragraph 8. Waste management see section 13

#### 7 Handling and Storage

##### 7.1 Precautions for safe handling

###### PRECAUTION FOR SAFE HANDLING

Use only in well-ventilated areas. Avoid contact with the skin and eyes. Avoid repeated exposure. Good working hygiene must always be observed when handling product. Avoid inhalation of vapours. Prevent discharges into nature.

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

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

Keep container dry. Good working hygiene must always be observed when handling product. Store in accordance with local/regional/national/international regulations.

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#### 7.3 Specific end uses

##### SPECIFIC END USE(S)

No information available

#### 8 Exposure controls / Personal protection

##### 8.1 Control parameters

###### LEGAL BASIS

No information available

###### OEL value

Ingredient name	CAS no.	Range	ppm	mg/m <sup>3</sup>	Year	Notification
Bly	7439-92-1	8 h	0,1			

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

###### MONITORING PROCEDURES

No information available

###### BIOLOGICAL THRESHOLD VALUES

No information available

###### OTHER INFORMATION REGARDING LIMIT VALUES AND MONITORING

Lead 0.05 mg/m<sup>3</sup>-inhalerbart dust, type: NGV

Lead 0.1 mg/m<sup>3</sup>-inhalerbart dust, type: NGV

Pewter 2 mg/m<sup>3</sup>-inhalerbart dust, type: NGV

##### 8.2 Exposure controls

###### EXPOSURE SCENARIOS

No information available

###### INFORMATION FROM SUPPLIER

No information available

###### APPROPRIATE ENGINEERING CONTROLS

Ventilation must be adapted according to circumstances. If applicable, use the encapsulation of processes, exploitation or other technical precautions to keep the levels in the air under the recommended exposure limits. If exposure limits have not been established, keep airborne levels on a acceptable level. Use good general ventilation and local exhaust ventilation. Eat, drink, and do not smoke in the room where this product is handled. Good working hygiene must always be observed when handling product. Use only in well-ventilated areas.

###### EYE PROTECTION

Avoid contact with eyes. Protective goggles are recommended.

###### SKIN PROTECTION

Avoid contact with skin. Select personal protective equipment in accordance with the CEN standard.

###### HAND PROTECTION

Use protective gloves made of: Leather

Protective gloves, heat insulating.

###### RESPIRATORY PROTECTION

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

###### LIMITATION OF ENVIRONMENTAL EXPOSURE

No information available

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### HEATING HAZARDS

Avoid contact with molten substance.

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## 9 Physical and chemical Properties

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### 9.1 Information on basic physical and chemical properties

<b>PHYSICAL STATE</b>	Solid.
<b>COLOUR</b>	Metallic
<b>ODOUR</b>	Odour-free.
<b>SOLUBILITY</b>	No information available
<b>EXPLOSIVE PROPERTIES</b>	No information available
<b>OXIDISING PROPERTIES</b>	No information available
<b>WATER SOLUBILITY</b>	No information available
<b>FAT SOLUBILITY</b>	No information available

Parameter	Value/unit	Method/reference	Observation
pH concentrate	No data		
pH in solution	No data		
Melting point	> 183 °C		
Freezing point	< 314 °C		
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 - 9 g/ml	vid 20°C	

Note no.	Comments

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## 10 Stability and Reactivity

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### 10.1 Reactivity

#### REACTIVITY

Reacts with strong oxidants.

### 10.2 Chemical stability

#### CHEMICAL STABILITY

Stable under recommended storage and handling conditions.

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### 10.3 Possibility of hazardous reactions

#### POSSIBILITY OF HAZARDOUS REACTIONS

No dangerous reactions known under normal conditions.

### 10.4 Conditions to avoid

#### CONDITIONS TO AVOID

Stable under normal conditions

### 10.5 Incompatible materials

#### INCOMPATIBLE MATERIALS

Avoid contact with strong oxidants, acids and organic chlorine compounds.

### 10.6 Hazardous decomposition products:

#### HAZARDOUS DECOMPOSITION PRODUCTS

No information available

## 11 Toxicological information

### 11.1 Toxicological effects

Bly				
Route of exposure	Exposure time	Value/unit	Species	Source
LD50 (Dermal)		> 2000 mg/kg	rat	OECD Guideline 402
LD50 (Oral)		> 5000 mg/kg	rat	OECD Guideline 401

#### ACUTE TOXICITY - ORAL

Not known

#### ACUTE TOXICITY - DERMAL

Not known

#### ACUTE TOXICITY - INHALATION

Not known

#### SKIN CORROSION/IRRITATION

Not known

#### SERIOUS EYE DAMAGE/IRRITATION

Not known

#### RESPIRATORY OR SKIN SENSITISATION

Not known

#### GERM CELL MUTAGENICITY

Not known

#### CARCINOGENICITY

Not known

#### REPRODUCTIVE TOXICITY

Not known

#### SINGLE STOT EXPOSURE

Not known

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#### STOT-REPEATED EXPOSURE

Not known

#### ASPIRATION

Not known

#### OTHER TOXICOLOGICAL INFORMATION

Not known

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### 12 Ecological information

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#### 12.1 Toxicity

##### ACUTE AQUATIC TEST RESULTS

No information available

##### ECOTOXICITY

No harmful effects on aquatic organisms. Prevent discharges into the sewage system, watercourses or lakes.

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#### 12.2 Persistence and degradability

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##### DEGRADABILITY

No information available

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#### 12.3 Bioaccumulative potential

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##### ACCUMULATION

No information available

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#### 12.4 Mobility in soil

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##### MOBILITY

No information available

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#### 12.5 Results of PBT and vPvB assessment

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##### RESULT OF PBT AND VPVB ASSESSMENT

Are not classified as PBT/vPvB of current EU criteria.

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#### 12.6 Other adverse effects

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##### OTHER EFFECTS

No information available

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### 13 Disposal considerations

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#### 13.1 Waste treatment methods

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##### GENERAL REGULATIONS

Follow local regulations. Empty containers should be taken to an approved refuse disposal plant. Collect and reclaim or dispose in sealed containers in licensed waste.

##### CATEGORY OF WASTE

Waste codes should be assigned after discussion with the user, producer and the recipient company.

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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

###### OTHER REGULATORY INFORMATION

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer. Regulation (EC) No 850/2004 on persistent organic pollutants. Regulation (EC) no 689/2008 concerning the export and import of dangerous chemicals. Regulation (EC) No 166/2006. Pollutant release and transfer registers.



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### PROVISIONS

The product is classified and labelled in accordance with EC directives or respective national laws. This safety data sheet complies with the requirements laid down in Regulation (EC) No 1907/2006. The product does not have to be marked according to EU directive or corresponding national laws.

### PERMITS

1907/2006 (REACH)

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### 15.2 Chemical Safety Assessment

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#### OTHER INFORMATION

Chemical safety assessment is NOT established for the product.

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### 16 Other information

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