

**Safety data sheet pursuant to ordinance  
(EC) No. 453/2010  
(EC) No. 1907/2006 (REACH)**

Print date: 02/03/2016

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Revised:03.08.2015

Cimco-Werkzeugfabrik  
Carl Jul. Müller GmbH & Co. KG

## 1. DESIGNATION OF THE MATERIAL OR MIXTURE AND COMPANY NAME

### 1.1 Product identifier

**Product name** Electrician's solder Art. No. **150052 / 150054 / 150056 / 150058 / 150060 / 150062 / 150064 / 150066 / 150068 / 150074 / 150076 / 150078 150080 / 150082**

**Trade name** Electrician's solder Art. No. **150052 / 150054 / 150056 / 150058 / 150060 / 150062 / 150064 / 150066 / 150068 / 150074 / 150076 / 150078 150080 / 150082**

**CAS No.**

**EC No.**

### 1.2 Relevant identified use of material or mixture and uses that are not advisable

Recommended  
limitations of the  
application

Use of the material/mixture soft soldering

### 1.3 Details on the supplier who is making the safety data sheet available

**Company** Cimco Werkzeugfabrik Carl Jul. Müller GmbH & Co. KG  
Hohenhagener Straße 1 - 5  
D-42855 Remscheid, Germany  
+49 (0) 21913718-01 Fax: +49 (0) 21913718-86

**1.4 Emergency number** **Emergency CONTACT (24-Hour-Number)**  
**GBK GmbH +49 (0)6132-84463**

## 2. POSSIBLE HAZARDS

### 2.1 Classification of the material

- **Classification in accordance with the directive (EC) No. 1272/2008 [CLP/GHS]**  
The mixture was assessed and/ or tested for its physical, health and environmental hazards.

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## 2.2 Label elements

- **Labelling according to directive (EC) No. 1272/2008 [CLP/GHS]**  
As goods, the product is not subject to any labelling obligations in accordance with EU regulations.

## 2.3 Other dangers

Not assigned.

## 3. COMPOSITION / INFORMATION ON COMPONENTS

Constituents	EC No.	CAS No.	Concentrate [% by weight]
Lead metal (in general, high degree of purity)	231-100-4	7439-92-1	36-92
Tin	231-141-8	7440-31-5	8-64

## 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

#### After inhaling

Move the affected person into the fresh air and place in a resting position.  
Call a doctor if symptoms occur or should they persist.

#### After skin contact

Risk of burns - Contact with hot material can cause burns. Wash off/shower skin with water. Seek medical advice if irritation occurs and persists.

#### After swallowing

Rinse out mouth. If unwell, seek medical advice / consult doctor.

#### After eye contact

Before rinsing eyes, it is important to remove contact lenses.  
Risk of burns - Contact with hot material can cause burns. Seek medical advice if irritation occurs and persists.

### 4.2 Important symptoms and effects which are acute or occur with a delay

No information is available.

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

No information is available.

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## 5. FIREFIGHTING MEASURES

### 5.1 Extinguishing agents

**Suitable extinguishing agents** Fine wateerr spray, dry sand, powder

**Unsuitable extinguishing agents** Direct water jet

### 5.2 Particular risks associated with the material or mixture

In the event of a fire, toxic and irritating gases could develop.

### 5.3 Information on fire fighting

**Special protective equipment for firefighting:**

In the presence of combustion or carbonization gases, any firefighting, rescue and clearing up activities should be undertaken only with heavy-duty respiratory protection.

**Further information:**

Draining water could cause environmental damage.

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## 6. MEASURES IN THE EVENT OF ACCIDENTAL RELEASE

### 6.1 Person-related safety precautions, protective equipment and procedures to be followed in emergencies

Keep unnecessary personnel away.

### 6.2 Environmental protection measures

Do not allow to enter the sewage system, soil, or waterways.

### 6.3 Methods and material for containment and cleaning

Pick up with a shovel and fill into a container for recycling or disposal.

### 6.4 References to other sections

Safe handling: see section 7

Disposal: see section 13

Personal protective equipment: see section 8

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## 7. HANDLING AND STORAGE

### 7.1 Safety measures for safe handling

Information on safe handling	Do not use in plants without sufficient ventilation.
General protection measures	Avoid formation of dust and aerosol. Do not breath in mist or gases. Avoid contact with hot material. Avoid lengthy contact.
Hygiene measures	Do not smoke, eat, drink or sniff while working. Wash hands before breaks and after finishing work.

### 7.2 Conditions for safe storage taking incompatibilities into consideration

Storage requirements	Store in a cool, dry place. Store in a tightly sealed, original container. Caution when handling and during storage. Store in accordance with local / regional / national / international regulations.
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Information on storage with other products

Storage class

### 7.3 Specific end use

See section 1.2

## 8. LIMITATION AND MONITORING OF EXPOSURE / PERSONAL PROTECTIVE EQUIPMENT

### 8.1 Limit values

CAS No.	Designation	Type	[mg/m <sup>3</sup> ]	[ppm]	Peak limit	Note
7440-31-5	Tin	TWA	2			

#### Occupational exposure limit values

CAS No.	Designation	Type	[mg/m <sup>3</sup> ]	[ppm]	Peak limit	Note
7439-92-1	Lead metal (in general, high degree of purity)	TWA	0.15			

### Biological limit values

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CAS No.	Designation	Parameters	BLV	Material examined	Time sample taken
7439-92-1	Lead metal (in general, high degree of purity)		300mg/l	Blood	Freedom to act

### 8.2 Limiting and monitoring exposure

Personal protective equipment

General protective and hygiene measures

Good general ventilation (usually 10 air changes per hour). Level of ventilation needs to be adapted to suit conditions. If necessary, use process chambers, local exhaust air systems or other constructional measures to check the concentrations in the air to keep them below the recommended load limits. If no exposure limits have been set, then keep the concentrations in the air to an acceptable level. Make a suitable general and local exhaust air system available.  
While using the product, do not eat, drink, or smoke. Avoid contact with the eyes. Avoid contact with the skin. The usual safety measures for handling chemicals needs to be adhered to.

Respiratory protection

In the event of concentrations above the occupational limit values, wear appropriate tested breathing apparatus. Dust filter type P2

Hand protection

If the material is heated, wear gloves to protect you from thermal burns.

Eye protection

Wear tight fitting safety glasses and face protection.

Personal protection

Protective workwear

Limiting and monitoring environmental exposure

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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

Form	solid
Colour	metallic
Odour	odourless
Steam pressure	- na -

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Relative density	- na -
Boiling point	- na -
Melting point / Freezing point	183 – 290 °C
Explosive properties	- na -
Self-ignition temperature	- na -
Ignition point	- na -
Flammability	- na -
Oxidizing properties	- na -
Solubility in / miscibility with	- na -
Ignition temperature	- na -
Solvent content	- na -
Solids content	- na -

## 9.2 Other information

No information is available.

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## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No information is available.

### 10.2 Chemical stability

Under normal conditions, the material is stable.

### 10.3 Possible hazardous reactions

No known hazardous reactions if used as intended.

### 10.4 Conditions to be avoided

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None under normal circumstances.

#### 10.5 Incompatible materials

Strong oxidizing agent.

#### 10.6 Dangerous decomposition processes

No known hazardous decomposition products.

### 11. TOXICOLOGICAL INFORMATION

#### 11.1 Information on toxicological effects

	Value/Evaluation	Species	Method	Note
LD50 acute oral	> 2000 mg/kg	Rat	OECD Guideline 402	
LD50 acute dermal	> 5000 mg/kg	Rat	OECD Guideline 401	

#### Practical experience

No information is available.

#### General comments

No information is available.

### 12. ENVIRONMENTAL INFORMATION

#### 12.1 Toxicity

Not expected to be hazardous to water organisms.

#### 12.2 Persistence and degradability

No information is available.

#### 12.3 Bio accumulation potential

No information is available.

#### 12.4 Mobility in the soil

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No information is available.

#### 12.5 Results of PBT and vPvB assessment

PBT Not applicable

vPvB Not applicable

#### 12.6. Other harmful effects

No information is available.

### 13. INFORMATION ON DISPOSAL

Product Dispose of in accordance with local authority regulations.

Waste code The waste code number should be defined in agreement with the consumer, the manufacturer and the disposal company.

Unclean packaging Take empty containers to a recognised waste disposal plant for recycling or disposal.

### 14. INFORMATION ON TRANSPORT

	ADR/RID	IMDG	IATA-DGR
<b>14.1 UN number</b>	3288	3288	3288
<b>14.2 Proper UN shipping name</b>	POISONOUS INORGANIC MATERIAL; N.A.G	poisonous inorganic material, n.a.g.	POISONOUS INORGANIC MATERIAL; N.A.G
<b>14.3 Transport hazard class</b>	6.1	6.1	6.1
<b>14.4 Packaging group</b>	III	III	III
<b>14.5 Environmental hazards</b>	no	not available	yes

#### 14.6 Special preventive measures for the user



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No information is available.

**14.7 Bulk transport according to Appendix II of the MARPOL agreement 73/78 and according to the IBC code**

No information is available.

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**15. STATUTORY REGULATIONS**

**15.1 Regulations on safety, health and environmental protection / specific legal regulations for the material or the mixture**

**National regulations**

TRGS 505: Lead and hazardous materials containing lead

Technical instructions (TA) air 5.2.2

Water hazard class                      VwVwS Appendix 4  
Not water hazardous

**15.2 Chemical safety assessment**

A chemical safety assessment for materials in this mixture have not been carried out.

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**16. OTHER INFORMATION**

**Further information**

National special provisions need to be implemented by each user on their own responsibility!  
The information given is based on our current level of knowledge and serves to describe the product in terms of the safety precautions to be taken. It does not represent an assurance of properties of the product described.

Please pay attention to additional information! - Our safety data sheets have been prepared according to the valid EU guidelines WITHOUT taking into consideration any special national regulations regarding handling hazardous materials and chemicals.