

**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:12.08.2015

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

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

### 1.1 Product identifier

**Product name** Solder in triangular rods Art. No. **150160**  
**Trade name** Solder in triangular rods Art. No. **150160**  
**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 Solder alloy

### 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]**  
Repr. 1B H360  
STOT RE 2 H373  
Acute Tox. 4 H302, H312, H332

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## 2.2 Label elements

- Labelling according to directive (EC) No. 1272/2008 [CLP/GHS]



GHS08



GHS07

**Signal word:**

Hazard

**Hazard information:**

H360 Can cause damage to foetus in vitro.  
H302+H312+H332 Also hazardous to health if breathed in or swallowed.  
H360 Could possible impair fertility.  
H373 Could damage organs in the event of lengthy or repeated exposure.

**Safety information:**

P280 Wear safety gloves and eye protection.  
P270 Do not eat, drink or smoke while using this product.  
P301+P330+P331 If swallowed: Rinse out mouth, do not induce vomiting.

## 2.3 Other dangers

Contains lead. Do not use to paint object which could be chewed or sucked by children.  
Only for trade users and for use in industrial plants.

**Results of the PBT and vPvB assessment**

- **PBT:** not applicable
- **vPvB:** not applicable

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### 3. COMPOSITION / INFORMATION ON COMPONENTS

Constituents	EC No.	CAS No.	Concentrate [% by weight]
Tin	231-141-8	7440-31-5	62.5 – 63.5
Lead	231-100-4	7439-92-1	37.5 – 36.5
Phosphorus		7723-14-0	0.001 – 0.004

### 4. FIRST AID MEASURES

#### 4.1 Description of first aid measures

##### General information

Symptoms of being poisoned may not occur for several hours which is why monitoring by a doctor needs to be ensured for at least 48 hours after an accident.

Move the affected person into fresh air.

##### After inhaling

If dust or smoke occurs during processing, ensure sufficient ventilation and/or wear breathing apparatus. If dust/smoke is inhaled, then if problems persist, consult a doctor.

If unconscious, lay down and transport in a stable position on side.

##### After skin contact

Immediately cool burns caused by liquid solder with running cold water and request medical assistance.

Do not pull solidified product off the skin.

##### After swallowing

Rinse out mouth.

Do not induce vomiting.

Seek medical assistance.

##### After eye contact

In the event of contact with the eyes, rinse thoroughly with lots of water and get treatment from a doctor.

#### 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** Dry sand, extinguishing powder, special powder for metal burns and stop oxygen intake.

**Unsuitable extinguishing agents** Water

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

During a fire, toxic gases could be released.

### 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:**

Collect contaminated quenching water separately; it must not enter the sewage system.

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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

Ensure sufficient ventilation.

Use breathing protection if subject to the effects of vapours/dust/aerosol.

Wear personal protective equipment.

### 6.2 Environmental protection measures

Do not allow to enter sewage system / surface water / ground water.

### 6.3 Methods and material for containment and cleaning

Ensure sufficient ventilation. Dispose of contaminated material as waste according to Section 13.

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## 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

Avoid the formation of dust, ensure general suitable ventilation and processing machines.

Hygiene measures

Do not smoke, eat, drink or sniff while working.  
Wash hands before breaks and after finishing work.

Information on fire and explosion protection

Keeping breathing apparatus available.

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

Storage requirements

Comply with all water management legislation.

Information on storage with other products

Not required

Further information on storage conditions  
Storage class

None

### 7.3 Specific end use

See section 1.2

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

### 8.1 Limit values

There is no risk of releasing inhalable dust in the condition the product is delivered in.

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## 8.2 Limiting and monitoring exposure

### Personal protective equipment

General protective and hygiene measures

The usual regulations for handling chemicals needs to be adhered to.

Do not breathe in dust/smoke/mist. Keep away from food, drink and animal feed. Do not smoke, eat or drink while working. Avoid contact with the eyes and skin. Wash hands before a break and after finishing work. Store protective clothing separately.

Respiratory protection

Respiratory protection necessary

Hand protection

Safety gloves:

Select the glove material, taking penetration times, permeation rates and degradation into account. Preventive skin protection by using skin protection cream is recommended.

Eye protection

Safety glasses when soldering

Personal protection

Protective workwear

Limiting and monitoring environmental exposure

Do not allow to enter sewage system / surface water / ground water.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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

Form solid

Colour shiny metallic

Odour odourless

Steam pressure - na -

Relative density - na -

Boiling point - na -

Melting point / Freezing point 183 °C

Explosive properties The product / the material is not explosive.

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Self-ignition temperature	The product / the material is not spontaneously combustible.
Ignition point	- na -
Flammability	- na -
Oxidizing properties	- na -
Solubility in / miscibility	insoluble
Ignition temperature	- na -
Solvent content	- na -
Solids content	- na -

## 9.2 Other information

Depending on type / quality, the physical data could differ.

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## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No information is available.

### 10.2 Chemical stability

Under normal conditions, the product / the material is chemically stable.  
No decomposition when used as intended.

### 10.3 Possible hazardous reactions

If heated beyond the decomposition point, it is possible that toxic gases could be released

### 10.4 Conditions to be avoided

No information is available.

### 10.5 Incompatible materials

No information is available.

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### 10.6 Hazardous decomposition products

Poisonous metal oxide smoke  
Irritant gases / vapours  
Lead oxide vapour

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## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

	<b>Value/Evaluation</b>	<b>Species</b>	<b>Method</b>	<b>Note</b>
Skin irritation	not irritating			
Eye irritation	not irritating			
Sensitisation skin	Sensitisation may be caused by skin contact			

### Practical experience

No information is available.

### General comments

No information is available.

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## 12. ENVIRONMENTAL INFORMATION

### 12.1 Toxicity

No information is available.

### 12.2 Persistence and degradability

No information is available.

### 12.3 Bio accumulation potential

No information is available.

### 12.4 Mobility in the soil

No information is available.



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### 12.5 Results of PBT and vPvB assessment

PBT Not applicable

vPvB Not applicable

### 12.6. Other harmful effects

Product contains heavy metals. Avoid allowing it to get into the environment. Special pre-treatment is required. Water hazard class 2 (self-categorisation): hazardous to water.  
Do not allow to enter the ground water, surface water, or the sewage system.  
Hazardous to drinking water even if only small quantities get into the subsoil.

### 13. INFORMATION ON DISPOSAL

Recommendation	Disposal according to the local official regulations
Product	Speak to manufacturer about recycling.
Waste code	The waste code number is to be defined with the regional disposal company.
Unclean packaging	Packaging is to be disposed of according to the Packaging Directive.

### 14. INFORMATION ON TRANSPORT

	ADR/RID	IMDG	IATA-DGR
<b>14.1 UN number</b>	not regulated	not regulated	not regulated
<b>14.2 Proper UN shipping name</b>	not regulated	not regulated	not regulated
<b>14.3 Transport hazard class</b>	-	-	-
<b>14.4 Packaging group</b>	not regulated	not regulated	not regulated
<b>14.5 Environmental hazards</b>	not applicable	not applicable	not applicable

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#### 14.6 Special preventive measures for the user

Not applicable

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

Not applicable

### 15. STATUTORY REGULATIONS

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

No information is available.

#### 15.2 Chemical safety assessment

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

### 16. OTHER INFORMATION

#### Further information

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.

H302	Hazardous to health if swallowed.
H332	Hazardous to health if inhaled.
H360	Can impair fertility or damage a foetus in vitro.
H373	Can damage organs in the event of lengthy or repeated exposure.
H400	Extremely toxic for water organisms.
H410	Extremely toxic for water organisms, with long-term effects.