

**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:27.07.2015

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. **150150**
Trade name Solder in triangular rods Art. No. **150150**
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]**
Skin Sens 1 H317

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2.2 Label elements

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

Hazard information:

H317 Can cause allergic skin reactions.

2.3 Other dangers

- Results of the PBT and vPvB assessment
- **PBT:** The materials in the mixture do not meet the PBT/vPvB criteria according to REACH, Appendix XIII.
- **vPvB:** not applicable

3. COMPOSITION / INFORMATION ON COMPONENTS

Constituents	EC No.	CAS No.	Concentrate [% by weight]
Lead	231-100-4	7439-92-1	56 - <96
Tin	231-141-8	7440-31-5	4 - <65
Wood resin	232-475-7	8050-09-7	1 - < 5 Skin Sens. 1;H317
Cadmium (stabilised)	231-152-8	7440-43-9	0.001 – 0.005 Acute Tox. 2;H330 Muta. 2;H341 Carc. 1B;H350 Repr. 2;H361fd STOT RE 1;H372 Aquatic Acute 1;H400 Aquatic Chronic 1;H410

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4. FIRST AID MEASURES

4.1 Description of first aid measures

General information

Ensure that medical personnel are aware of the material involved and take precautionary measures. Wash contaminated clothing before wearing it again.

After inhaling

Move the affected person into fresh air. Call a doctor if symptoms occur or should they persist.

After skin contact

Remove dirty, saturated clothing and shoes immediately and wash skin with soap and water.
In the event of a skin rash and other skin complaints: Seek medical advice and take safety data sheet with you.

After swallowing

Rinse out mouth. Seek medical attention if symptoms occur.

After eye contact

Rinse with water. Seek medical advice if irritation occurs and persists.

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

Can cause allergic skin reactions. Dermatitis. Rash.

4.3 Indication of any immediate medical attention and special treatment needed

General support measures and symptomatic treatment are required. Affected persons must be treated and monitored. Symptoms may occur with a delay.

5. FIREFIGHTING MEASURES

5.1 Extinguishing agents

Suitable extinguishing agents

Fine water spray, foam, dry powder, dry sand, carbon dioxide

Unsuitable extinguishing agents

None

5.2 Particular risks associated with the material or mixture

No information is available.

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5.3 Information on fire fighting

Special protective equipment for firefighting:

No information is available.

Further information:

To cool sealed containers, use a fine water spray.

6. MEASURES IN THE EVENT OF ACCIDENTAL RELEASE

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

Keep people who are not involved away. Keep people away and remain upwind. Do not pour into lower areas. During disposal, wear suitable protective clothing and equipment. Only touch damaged containers or leaking material if you are wearing suitable protective clothing. Ensure suitable ventilation. If it is not possible to soak up large quantities of spilt material, the local authorities should be informed.

6.2 Environmental protection measures

Avoid material entering the sewage system or waterways.

6.3 Methods and material for containment and cleaning

Prevent the material flowing out if this is possible without any risk. After removing the product, rinse the area with water.

6.4 References to other sections

Disposal: see section 13

Personal protective equipment: see section 8

7. HANDLING AND STORAGE

7.1 Safety measures for safe handling

Information on safe handling

Avoid contact with the eyes, skin, and clothing. Ensure sufficient ventilation.

Wear suitable personal protective equipment. Comply with recognised industrial hygiene measures.

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7.2 Conditions for safe storage taking incompatibilities into consideration

Storage requirements	Store in a tightly sealed original container.
Information on storage with other products	Do not store with acids and strong oxidizing agents.
Further information on storage conditions	
Storage class	

7.3 Specific end use

Soft soldering

8. LIMITATION AND MONITORING OF EXPOSURE / PERSONAL PROTECTIVE EQUIPMENT

8.1 Limit values

CAS No.	Designation	Type	[mg/m ³]	[ppm]	Note
7440-31-5	Tin	TWA	0.02	0.004	Inhalable fraction of vapour and aerosol.

Biological limit values

CAS No.	Designation	Value	BLV	Determinants	Sample body
7439-92-1	Lead	300 µg/l		Lead	Blood

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. 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.
Respiratory protection	If ventilation is inadequate, wear breathing apparatus.
Hand protection	Wear suitable chemical-resistant gloves.
Eye protection	If contact is probable, wearing safety glasses with side protection is recommended.
Personal protection	Wear suitable chemical-resistant clothing.

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Limiting and monitoring environmental exposure

Ensure good room ventilation, extraction at the workplace where necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on the basic physical and chemical properties

Form	solid
Colour	- na -
Odour	- na -
Steam pressure	- na -
Relative density	8.40 – 11.00 kg/m ³
Boiling point	- na -
Melting point / Freezing point	179 - 301 °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 -

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9.2 Other information

No information is available.

10. STABILITY AND REACTIVITY

10.1 Reactivity

No information is available.

10.2 Chemical stability

No information is available.

10.3 Possible hazardous reactions

No information is available.

10.4 Conditions to be avoided

Contact with incompatible materials.

10.5 Incompatible materials

Acids, strong oxidizing agents

10.6 Dangerous decomposition processes

Carbon monoxide, carbon dioxide and other hydrocarbon residue.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

	Value/Evaluation	Species	Method	Note
Sensitisation skin	sensitising possible			

Practical experience

Can cause allergic skin reactions.
Can cause nausea if swallowed.

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12. ENVIRONMENTAL INFORMATION

12.1 Toxicity

The product is classified as not being environmentally hazardous. However this does not exclude the possibility that if large quantities are spilt or if something is spilt often, this could have a hazardous or damaging effect on the environment.

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.

12.5 Results of PBT and vPvB assessment

The product contains cadmium at a concentration of < 0.1 %c

12.6. Other harmful effects

No information is available.

13. INFORMATION ON DISPOSAL

Recommendation	Disposal according to the local official regulations
Product	Dispose of in accordance with local authority regulations. Empty containers or inserts can contain some product residue. This material and the container must be disposed of in a safe manner.
Waste code	17 04 07
Waste marked with an asterisk (*) are classed as hazardous waste according to Directive 2008/98/EC on hazardous waste.	
Unclean packaging	Take empty containers to a recognised waste disposal plant for recycling or disposal.

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14. INFORMATION ON TRANSPORT

ADR International rules for transporting hazardous goods are not applicable to the product.

IATA International rules for transporting hazardous goods are not applicable to the product.

IMDG International rules for transporting hazardous goods are not applicable to the product.

15. STATUTORY REGULATIONS

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

National regulations

Pay attention to national regulations for working with chemical agents.

Water hazard class 1 VwVwS Appendix 4

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.

H317	Can cause allergic skin reactions.
H330	Risk to life if inhaled.
H341	Can presumably cause genetic defects.
H350	Is carcinogenic.
H361f	Can presumably impair fertility. Can presumably cause damage to foetus in vitro.
H372	Damages 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.