

**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:10.08.2015

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

1. DESIGNATION OF THE MATERIAL OR MIXTURE AND COMPANY NAME

1.1 Product identifier

Product name Lead-free electronic solder Art. No.
150152/150154/150156/150158/150162/150164
150166/150168/150174/150176/150178/150180 150182

Trade name Lead-free electronic solder Art. No.
150152/150154/150156/150158/150162/150164
150166/150168/150174/150176/150178/150180 150182

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 for 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]**
No labelling obligation

2.2 Label elements

- No labelling obligation

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2.3 Other dangers

none

3. COMPOSITION / INFORMATION ON COMPONENTS

Constituents	EC No.	CAS No.	Concentrate [% by weight]
Copper	231-159-6	7440-50-8	0.5 – 0.9
Tin	231-141-8	7440-31-5	Remainder
Wood resin	232-475-7	8050-09-7	(< 3.5) H317

4. FIRST AID MEASURES

4.1 Description of first aid measures

After inhaling

While soldering, the workplaces need to be sufficiently ventilated or extracted. Regulations of professional associations need to be adhered to.

After skin contact

In the event of a burn, cool immediately for several minutes with running cold water. In case of serious burns, keep the wound sterile and cover it. Seek medical attention.

After swallowing

Seek medical attention!

After eye contact

Rinse eyes under running water with eyelids open for several minutes. Seek medical attention!

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.

5. FIREFIGHTING MEASURES

5.1 Extinguishing agents

Suitable extinguishing agents

Jet of water, foam extinguisher, carbon dioxide, dry extinguishing agent

Unsuitable extinguishing agents

no data available

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5.2 Particular risks associated with the material or mixture

none

5.3 Information on fire fighting

Special protective equipment for firefighting:

none

Further information:

Avoid any of the fire fighting water penetrating surface waters, ground water and soil.

6. MEASURES IN THE EVENT OF ACCIDENTAL RELEASE

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

Ensure there is fresh air in a closed room.
Do not breath in any gas/smoke/steam.

6.2 Environmental protection measures

no special measures required

6.3 Methods and material for containment and cleaning

mechanical holders

6.4 References to other sections

Safe handling: see section 7
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 Ensure good room ventilation, extraction at the workplace where necessary.

General protection measures Do not breath in or aspirate any smoke gases.

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Hygiene measures Regulations from professional associations and hygiene regulations must be adhered to.

Information on fire and explosion protection no special measures required

7.2 Conditions for safe storage taking incompatibilities into consideration

Storage requirements no special requirements

Information on storage with other products

Further information on storage conditions
Storage class

7.3 Specific end use

See section 1.2

8. LIMITATION AND MONITORING OF EXPOSURE / PERSONAL PROTECTIVE EQUIPMENT

8.1 Limit values

No information is available.

Additional information

National and local legal provisions must be adhered to.

8.2 Limiting and monitoring exposure

Personal protective equipment

General protective and hygiene measures 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.

Respiratory protection While soldering ensure good ventilation. This can be attained by local aspiration or general extracted air.

Hand protection Not required if operated as intended.

Eye protection Not required if operated as intended.

Personal protection Not required if operated as intended.

Limiting and monitoring environmental Ensure good room ventilation, extraction at the workplace where

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exposure necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on the basic physical and chemical properties

	<u>Solder</u>	<u>Fluxing agent</u>
Form	solid	pasty
Colour	silvery	yellow to amber
Odour	odourless	slight
Steam pressure	- na -	- na -
Relative density	- na -	- na -
Boiling point	- na -	- na -
Melting point / Freezing point	227 °C	80-125 °C
Explosive properties	- na -	- na -
Self-ignition temperature	- na -	- na -
Ignition point	- na -	approx. 180 °C
Flammability	- na -	- na -
Oxidizing properties	- na -	- na -
Solubility in / miscibility with	- na -	- na -
Ignition temperature	- na -	approx. 400 °C
Solvent content	- na -	- na -
Solids content	- na -	- na -

9.2 Other information

No information is available.

10. STABILITY AND REACTIVITY

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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

No information is available.

10.5 Incompatible materials

none

10.6 Dangerous decomposition processes

none

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

No information is available.

Practical experience

No information is available.

General comments

No information is available.

12. ENVIRONMENTAL INFORMATION

12.1 Toxicity

No information is available.

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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

PBT Not applicable

vPvB Not applicable

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. Not to be disposed of with domestic waste! Clarify the precise waste code with a disposal specialist.

Waste code 15 01 10* Packaging which contains residue of hazardous substances or is contaminated by hazardous substances.

Waste marked with an asterisk (*) are classed as hazardous waste according to Directive 2008/98/EC on hazardous waste.

Unclean packaging Containers which have been completely emptied with hazardous residue must be disposed of appropriately. Always consult the disposal specialist.
Packaging which is not contaminated and cleaned packaging can be recycled.

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14. INFORMATION ON TRANSPORT

	ADR/RID	IMDG	IATA-DGR
14.1 UN number	-	-	-
14.2 Proper UN shipping name	-	-	-
14.3 Transport hazard class	-	-	-
14.4 Packaging group	-	-	-
14.5 Environmental hazards	-	-	-

14.6 Special preventive measures for the user

No information is available.

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.

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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.

H317 Can cause allergic skin reactions.