

EU-Safety Data Sheet

according EU-guideline 91/155/EWG

1. Identification of the chemical and of the manufacturer, importer or other undertaking

Commercial Product Name: **Copper hard solder „Cu-Rophos 94“**

Manufacturer/supplier: FELDER GMBH
Im Lipperfeld 11
D - 46047 Oberhausen

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2. Composition and information on ingredients

Chemical characterization

Copper hard solder

Alloy of copper 94 % and phosphorus 6 %, (L-CuP6 – DIN 8513)

3. Hazards Identification

none

4. First aid measures

General instructions :

On burnings the usual First Aid measures of the First Aid have to be applied.

Eye contact: Rinse with water. Seek medical attention.

Inhalation: Inhalation of vapours, fresh air, seek medical attention.

Ingestion: Seek medical attention.

5. Fire-Fighting measures

Suitable extinguishing media

All extinguishing media are suitable.

Extinguishing media which must not be used for safety reasons

Eye protection due to hot flying particles exists.

Special exposure hazards in a fire

On burnings or decomposition of the product developing smoke may lead to irritations or inflammation of the respiratory organs.

Special protection equipment

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6. Accidental release measures

Personal precautions	Wear personal protection equipment, see paragraph 8.
Environmental precautions	Do not lead into sewage, soil, waters, ground water as well as canalization.
Methods for cleaning up	Pick-up mechanically and store in an appropriate container.
Other instructions	

7. Handling and storage

Handling

Advices for secure handling	Pay attention to appropriate suction/ventilation of place of work.
Advices for fire-fighting and explosion	Do not lead extinguishing water into the canalization, soil or waters. Provide for sufficient extinguishing water support facilities. Extinguishing water support in Germany (see extinguishing water support regulation/LÖRÜL). Contaminated extinguishing water has to be disposed according to the local regulations. Fire residues have to be disposed accordingly.

Storage

Requirements for store rooms and containers	store dry
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Further information

8. Exposure controls/Personal protection

Additional advices for technical units	Suction appliance
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General protection and hygienic measures

When using chemicals pay attention to the usual precautionary measures. On contact with the skin/eyes you have to use the mentioned hand protection/eye protection/corpus protection. Do not eat, drink or smoke while working with the material. Before breaks and before finishing work wash hands and/or face. Do not inhale smoke, dust or vapour.

Personal protection equipment

Respiratory protection	There are no special measures necessary.
Hand protection	There are no special measures necessary.
Eye protection	Safety goggles with visor.

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Corpus protection There are no special measures necessary.

Further information

9. Physical and chemical properties

State	solid – metal rods
Colour	red
Odour	odorless
Melting point/Melting range metal	710 - 880 °C
Boiling point/Melting range flux	n.a. °C
Flash point	n.a. °C
Spontaneous ignition	n.a.
Explosion hazard:	
Lower explosion limit (UEG)	n.a.
Upper explosion limit (OEG)	n.a.
Vapour pressure at 20 °C	n.b. mbar
Density at 20 °C	8,1 g/cm ³
Water solubility at 20 °C	insoluble g/l
pH-value aqueous extraction 20 %	n.a.
Viscosity	n.a.

Further information

10. Stability and reactivity

Conditions to avoid	Avoid contact with strong acids, bases and oxidizing substances.
Materials to avoid	
Hazardous decomposition products	copper oxides
Thermal decomposition	

11. Toxicological information

Toxicological data

Résumé:

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Information on irritancy not available

Résumé:

Skin

Ingestion

12. Ecological information

13. Disposal considerations

A. Recommendation for the product

Application

<u>AVV-disposal code</u>	<u>AVV-waste description</u>	<u>AVV-group</u>	<u>Way of disposal</u>
170401	copper	metals (including alloys)	Special waste depot

B. Packing

according to the official regulations

14. Transport information

General information

UN-number:

Road transport/railway transport (GGVSE/ADR/RID)

No hazardous material for the purpose of this transport regulation.

Description of material: -

Class/packaging group: -

Classification code: -

Hazardous sheet no. : -

LQ: -

Sea transport

No hazardous material for the purpose of this transport regulation.

Description of material: -

GGVSee/IMDG-code: - (class/packaging group)

EmS-no.: F-A/- (fire/leakage)

Marine pollutant: -

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Air transport

No hazardous material for the purpose of this transport regulation.

IATA: k. A. (class/hazardous/packaging group)

Additional advices:

15. Regulatory information

Characterization according to the EU-regulations

R-phrases

S-phrases

National regulations

Classification according VbF n.a.

Water endangering class not water endangering

16. Other information

none

The data and information given in this EU-Safety data sheet is based on the present state of our knowledge and experience. We disclaim any liability relating to the use of the material since this is beyond our control.

Legend:

n.a. = not applicable

n.b. = not definite

k.A. = no data