

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Solder Wire

1.2 Relevant identified uses of the substance or mixture and uses advised against

Technical function : Soldering

Application of the substance / the mixture : Brazing alloy

1.3 Details of the supplier of the safety data sheet

Premier Farnell
150 Armley Road
Leeds LS12 2QQ
Tel. : +44 (0) 8701 202530

Emergency telephone number

+44 1865 407333

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Skin Sens. 1 H317 May cause an allergic skin reaction.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS07

Signal word : Warning

Hazard-determining components of labelling : Rosin

Hazard statements : H317 May cause an allergic skin reaction.

Precautionary statements

P261 : Avoid breathing dust/fume/gas/mist/vapours/spray.
P272 : Contaminated work clothing should not be allowed out of the workplace.
P280 : Wear protective gloves.
P302+P352 : IF ON SKIN: Wash with plenty of water.
P362+P364 : Take off contaminated clothing and wash it before reuse.
P333+P313 : If skin irritation or rash occurs: Get medical advice/attention.
P321 : Specific treatment (see on this label).
P501 : Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards

Solder wires / solder pastes:

Inhalation of vapors released during the soldering process should be avoided. Flux vapors irritate the nose, throat, and respiratory tract, and can lead to allergic reactions (asthma) after prolonged or repeated contact. Therefore, an active suction is recommended.

After working with the product and before eating, drinking or smoking, wash your hands with soap and water.

Safety Data Sheet



Do not heat above 500°C.

Keep out of the reach of children.

Results of PBT and vPvB assessment

PBT : Not applicable.

vPvB : Not applicable.

SECTION 3: Composition/information on ingredients

3.1 Mixtures

Description : Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 8050-09-7 EINECS: 232-475-7 Rosin Skin Sens. 1, H317 ≤2.5%

CAS: 7440-50-8 EINECS: 231-159-6 Copper substance with a Community workplace exposure limit ≤1%

Additional information : For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information : Immediately remove any clothing soiled by the product.

After inhalation : Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.

After skin contact : Immediately wash with water and soap and rinse thoroughly.

After eye contact : Rinse opened eye for several minutes under running water.

After swallowing : If symptoms persist consult doctor.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents : Use fire extinguishing methods suitable to surrounding conditions.

5.2 Special hazards arising from the substance or mixture

No further relevant information available.

5.3 Advice for firefighters

Protective equipment : No special measures required.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation

Wear protective clothing.

6.2 Environmental precautions

No special measures required.

6.3 Methods and material for containment and cleaning up:

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Newark.com/exclusive-brands

Farnell.com/exclusive-brands

Element14.com/exclusive-brands



6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Information about fire - and explosion protection : No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles : No special requirements.

Information about storage in one common storage facility : Not required.

Further information about storage conditions : None.

Storage class : 11

7.3 Specific end use(s)

No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical facilities

No further data; see item 7.

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

CAS: 7440-22-4 silver

WEL (Great Britain) Short-term value: 0.1mg/m³

Long-term value: 0.05 mg/m³

Sen

CAS: 7440-50-8 copper

WEL (Great Britain) Short-term value: 2** mg/m³

Long-term value: 0.2* 1** mg/m³

*fume **dusts and mists (as Cu)

Additional information : The lists valid during the making were used as basis.

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Respiratory protection:

Not necessary if room is well-ventilated.

Use suitable respiratory protective device in case of insufficient ventilation.

Filter A/P2

Protection of hands:



Protective gloves

Rubber gloves

Synthetic rubber gloves

To avoid skin problems reduce the wearing of gloves to the required minimum.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection : Safety glasses

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form	: Rope
Colour	: Grey
Odour	: Odourless
Odour threshold	: Not determined.
pH-value	: Not applicable.
Change in condition	
Melting point/freezing point	: Undetermined.
Initial boiling point and boiling range	: Undetermined.
Flash point	: Not applicable.
Flammability (solid, gas)	: Not determined.
Decomposition temperature	: Not determined.
Auto-ignition temperature	: Product is not selfigniting.
Explosive properties	: Product does not present an explosion hazard.
Explosion limits:	
Lower	: Not determined.
Upper	: Not determined.
Vapour pressure	: Not applicable.
Density	: Not determined.
Relative density	: Not determined.
Vapour density	: Not applicable.
Evaporation rate	: Not applicable.
Solubility in / Miscibility with water	: Insoluble.

Safety Data Sheet



Partition coefficient: n-octanol/water : Not determined.
Viscosity:
 Dynamic : Not applicable.
 Kinematic : Not applicable.
Solvent content : 100.0 %

9.2 Other information

No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

No further relevant information available.

10.2 Chemical stability

Thermal decomposition / conditions to be avoided : No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

No further relevant information available.

10.5 Incompatible materials

No further relevant information available.

10.6 Hazardous decomposition products

No dangerous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity : Based on available data, the classification criteria are not met.
Primary irritant effect:
Skin corrosion/irritation : Based on available data, the classification criteria are not met.
Serious eye damage/irritation : Based on available data, the classification criteria are not met.
Respiratory or skin sensitisation : May cause an allergic skin reaction.
CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
Germ cell mutagenicity : Based on available data, the classification criteria are not met.
Carcinogenicity : Based on available data, the classification criteria are not met.
Reproductive toxicity : Based on available data, the classification criteria are not met.
STOT-single exposure : Based on available data, the classification criteria are not met.
STOT-repeated exposure : Based on available data, the classification criteria are not met.
Aspiration hazard : Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity : No further relevant information available.

12.2 Persistence and degradability

No further relevant information available.

12.3 Bioaccumulative potential

No further relevant information available.

12.4 Mobility in soil

No further relevant information available.

Additional ecological information:

General notes:

Not hazardous for water.

12.5 Results of PBT and vPvB assessment

PBT : Not applicable.

vPvB : Not applicable.

12.6 Other adverse effects

No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging:

Recommendation : Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN-Number

ADR, ADN, IMDG, IATA : not regulated

14.2 UN proper shipping name

ADR, ADN, IMDG, IATA : not regulated

14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA

Class : not regulated

14.4 Packing group

ADR, IMDG, IATA : not regulated

14.5 Environmental hazards

Not applicable.

14.6 Special precautions for user

Not applicable.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

UN "Model Regulation" : not regulated

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

Safety Data Sheet



15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Skin Sens. 1: Skin sensitisation – Category 1

Part Number
507-1290
595021
507-1318
507-1320
595024
507-1355
507-1367

Important Notice : This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp is the registered trademark of Premier Farnell Limited 2019.

Newark.com/exclusive-brands
Farnell.com/exclusive-brands
Element14.com/exclusive-brands

