

Safety Data Sheet



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

Product identifier

Trade name : Desoldering Wire

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

Relevant identified uses : Consumer uses, clean solder.

Details of the supplier of the safety data sheet

Premier Farnell plc
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Emergency telephone number

+44 1865 407333

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to regulation (EC) 1272/2008:

Regulation (EC) No 1272/2008 [CLP]	Classification procedure
Skin Sens. 1, H317	Cut-off values/concentration limits approach

Additional information : For full text of Hazard- and EU Hazard-statements: see SECTION 16.

2.2 Label elements

Labeling according to Regulation (EC) No 1272/2008:

The product is labelled according to CLP Regulation.

Hazard pictograms



GHS07

Signal word

: Warning

Hazard-determining components of labelling

: Rosin

Hazard statements:

H317

: May cause an allergic skin reaction

Precautionary statement:

P101

: If medical advice is needed, have product container or label at hand.

P102

: Keep out of reach of children.

P103

: Read carefully and follow all instructions.

P261

: Avoid breathing dust/mist.

P280

: Wear protective gloves.

P302+P352

: If on skin: Wash with plenty of soap and water.

P333+P313

: If skin irritation or rash occurs: Get medical advice/attention.

P362+P364

: Take off contaminated clothing and wash it before reuse.

P501

: Dispose of contents/container in accordance with local/regional/national/international regulation.

Supplemental label elements:

Not applicable

2.3 Other hazards

None of the ingredients ($\geq 0.1\%$) meets the criteria for PBT/vPvB in accordance with Annex XIII.

None of the ingredients ($\geq 0.1\%$) is identified as having endocrine disrupting properties according to Regulation (EU) 2017/2100.



Safety Data Sheet



SECTION 3: Composition/information on ingredients

3.1 Substance

Not applicable

3.2 Mixtures

Description of the mixture:

Desoldering Wire.

Ingredients:						
Substance	CAS No.	Index No.	EC No.	w/w, %	CLP Classification	SCL/M-factor/ATE
Copper	7440-50-8	-	231-159-6	90	None	-
Rosin	8050-09-7	650-015-00-7	232-475-7	10	Skin Sens. 1, H317	-

Additional information:

Full text of H- and EUH-statements, see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice

: Get medical attention if you feel unwell.

After inhalation

: Supply with fresh air.

Get medical attention if you feel unwell.

After skin contact

: Wash with plenty of soap and water.

If skin irritation or rash occurs: Get medical advice/attention.

After eye contact

: Rinse cautiously with water for several minutes.

If eye irritation occurs: Get medical advice/attention.

After swallowing

: Rinse mouth.

Call a POISON CENTER/doctor if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are as indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Treat according to symptom, there is not known specific medicine.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing agents

: The product is not flammable.

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

: No known unsuitable extinguishing media.

5.2 Special hazards arising from the substance or mixture:

May produce allergic dust/mist in air under fire.

5.3 Advice for firefighters

Protective equipment

: Wear self-contained breathing apparatus for firefighting.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

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Protective equipment : Protective gloves/respiration protection
Emergency procedures : Ensure adequate ventilation.
Avoid breathing dust/mist.
Avoid contact with skin.

For emergency responders

Personal protective equipment : Protective gloves/respiration protection.

6.2 Environmental precautions:

Prevent further leakage or spillage if safe to do so.
Prevent spillage from entering drains, sewer, basement or confined areas.
If the spillage contaminates rivers, lakes or drains inform respective authorities.

6.3 Methods and material for containment and cleaning up:

Pick up mechanically.
Dispose contaminated material as waste according to section 13.

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 adequate ventilation at workplace.
Wear the protective suit.
Avoid breathing dust.
Avoid contact with skin.

Information about fire and explosion protection:

Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any non-compatibility

Requirements to be met by storerooms and receptacles : Store in a cool and well-ventilated place.
Information about storage in one common storage facility : Keep out of reach of children.
Further information about storage conditions : Store locked up.
Storage class : 13.

7.3 Specific end use(s):

See section 1.2.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

Country	Limit value - Eight hours	Limit value – Short term
8050-09-7 Rosin		
Latvia	4 mg/m ³	-
United Kingdom	0.05 mg/m ³	0.15 mg/m ³



Safety Data Sheet



DNELs:

DNEL type		DNEL worker value	DNEL consumer value
7440-50-8 Copper			
Systemic effects	Long-term, dermal exposure	137 mg/kg bw/day	137 mg/kg bw/day
	Acute /short term, dermal exposure	273 mg/kg bw/day	273 mg/kg bw/day
	Long-term, oral exposure	-	41 µg/kg bw/day
Local effects	Long-term, inhalation exposure	1 mg/m ³	1 mg/m ³
	Acute /short term, inhalation exposure	1 mg/m ³	1 mg/m ³

PNECs:

PNEC type	Value
7440-50-8 Copper	
Freshwater	6.3 µg/L
Marine water	5.2 µg/L
Sewage treatment plant (STP)	230 µg/L
Sediment (freshwater)	87 mg/kg sediment dw
Sediment (marine water)	676 mg/kg sediment dw
Soil	65 mg/kg soil dw

Additional information

: The lists valid during the marking were used as basis.

8.2 Exposure controls

Based on the composition shown in section 3, the following measures are suggested for occupational safety measure.

Appropriate engineering controls

: Handle in accordance with good industrial hygiene and safety practice.
Wash hands and face before breaks and at the end of work.
See section 7 for information about design of technical facilities.

Personal protective equipment

Eye and face protection

: Not required under normal conditions of use.

For industrial applications, following protection required:



Safety glasses

Protective goggles with side-shields.

Skin protection

Hand protection

: Not required under normal conditions of use.

For industrial applications, following protection required:



Protective gloves

Gloves made from butyl rubber Neoprene™ rubber, nitrile rubber (thickness > 0.11mm; breakthrough times up to 480 minutes).

Other skin protection

: Not required under normal conditions of use.

Safety Data Sheet

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For industrial applications, following protection required:

**Face protection**

Face shield, gauntlets, boots, bodysuit are recommended.

**Safety boots****Safety overalls**

Respiration protection

: Not required under normal conditions of use.

For industrial applications, following protection required:

**Respiratory equipment**

Use positive pressure breathing mask if concentrations in air could exceed occupational exposure standard.

Thermal hazards

: Not required under normal conditions of use.

For industrial applications, following protection required

: The gauntlets, boots, bodysuit and other personal protective equipment must be flame retardant and no heat-conducting.

Environmental exposure controls

: Control measures must be made in accordance with Community environmental protection legislation.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	: Solid
Colour	: Bronze
Odor & Odor threshold	: Odorless
Melting point/freezing point (or softening point/range)	: Not determined
Boiling point or initial boiling point and boiling range	: Not determined
Flammability	: Not determined
Lower and upper explosion limit	: Not determined
Flash point	: Not applicable
Auto-ignition temperature	: Not determined
Decomposition temperature	: Not determined
pH	: Not determined
Kinematic viscosity (mm ² /s)	: Not applicable
Solubility	: Insoluble in water.
Partition coefficient n-octanol/water (log value)	: Not applicable
Vapor pressure	: Not applicable
Density and/or relative density	: Not determined
Relative vapor density	: Not applicable
Particle characteristics	: Not determined

9.2 Other information

Information with regard to physical hazard classes:

Explosives	: Not applicable
Flammable gases	: Not applicable
Aerosols	: Not applicable

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Oxidising gases	: Not applicable
Gases under pressure	: Not applicable
Flammable liquids	: Not applicable
Flammable solids	: Not applicable
Self-reactive substances and mixtures	: Not applicable
Pyrophoric liquids	: Not applicable
Pyrophoric solids	: Not applicable
Self-heating substances and mixtures	: Not applicable
Substances and mixtures, which emit flammable gases in contact with water	: Not applicable
Oxidizing liquids	: Not applicable
Oxidizing solids	: Not applicable
Organic peroxides	: Not applicable
Corrosive to metals	: Not applicable
Desensitised explosives	: Not applicable

Other safety characteristics

Mechanical sensitivity	: Not applicable
Self-accelerating polymerisation temperature	: Not applicable
Formation of explosible dust/air mixtures	: Not applicable
Acid/alkaline reserve	: Not applicable
Evaporation rate	: Not applicable
Miscibility	: Not applicable
Conductivity	: Not applicable
Corrosiveness	: Not applicable
Gas group	: Not applicable
Redox potential	: Not applicable
Radical formation potential	: Not applicable
Photocatalytic properties	: Not applicable
Other physical and chemical parameters	: Not determined

SECTION 10: Stability and reactivity

10.1 Reactivity:

The product is non-reactive under normal conditions of use, storage and transport.

10.2 Chemical stability:

Under storage at normal ambient temperatures, the product is stable.

10.3 Possibility of hazardous reactions:

No known hazardous reaction.

10.4 Conditions to avoid:

No special avoid condition.

10.5 Incompatible materials:

No known incompatible material.

10.6 Hazardous decomposition products:

Does not decompose when used for intended uses.



SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

Based on available data, the classification criteria are not met.

Species	Effective Dose	Results	Method/Source
8050-09-7 Rosin			
Rat	LD50-oral	>2000 mg/kg	ECHA registered dossier.
Rat	LD50-dermal	>2000 mg/kg	ECHA registered dossier.

Skin corrosion/irritation	: Based on available data, the classification criteria are not met.
Serious eyes damage/ irritation	: Based on available data, the classification criteria are not met.
Respiratory or skin sensitization	: May cause an allergic skin reaction.
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.

11.2 Information on other hazards

Endocrine disrupting properties:

None of the ingredients ($\geq 0.1\%$) is considered to have endocrine-disrupting properties with respect to humans, as none of them meet the criteria set out in section A of Regulation (EU) No 2017/2100.

Other information:

No known other relevant information on adverse health effects.

SECTION 12: Ecological information

12.1 Toxicity:

No available data.

12.2 Persistence and degradability:

No available data.

12.3 Bio-accumulative potential:

No available data.

12.4 Mobility in soil:

No available data.

12.5 Results of PBT and vPvB assessment:

This mixture does not contain any substances ($\geq 0.1\%$) that are assessed to be a PBT or a vPvB.

12.6 Endocrine disrupting properties:

None of the ingredients ($\geq 0.1\%$) is considered to have endocrine-disrupting properties with respect to non-target organisms, as none of them meet the criteria set out in section B of Regulation (EU) No 2017/2100.

12.7 Other adverse effects:

No known other adverse effects.

12.8 Additional ecological information

General notes:

WGK1 (German Regulation) (self-assessment): slightly hazardous to water.

Do not allow large quantities of the product to reach ground water, water course or sewage system.

SECTION 13: Disposal consideration

13.1 Waste treatment methods

Recommendation : Must not be disposed together with household garbage.

13.2 Un-cleaned packaging

Recommendation : Dispose of contents/container in according to the local/regional/national/international regulation.

SECTION 14: Transport information

ADR/ADN/RID (2023 Edition) : This product is not subject to ADR/ADN/RID.
IATA-DGR (66th) : This product is not subject to IATA-DGR.
IMO/IMDG (41-22) : This product is not subject to IMO/IMDG code.

SECTION 15: Regulatory information

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

MAK (German Maximum Workplace Concentration):

None of the ingredients is listed.

Directive 2012/18/EU

Named dangerous substances-ANNEX I:

None of the ingredients is listed.

Seveso category:

Not applicable

Qualifying quantity (tonnes) for the application of lower-tier requirements:

Not applicable

Qualifying quantity (tonnes) for the application of upper-tier requirements:

Not applicable

National regulations.

Water hazard class:

WGK1 (German Regulation) (self-assessment): slightly hazardous to water.

Other regulations, limitations and prohibitive regulations

SVHC Candidate list of REACH Regulation Annex XIV Authorization:

None of the ingredients is listed.

REACH Regulation Annex XVII Restriction:

None of the ingredients is listed.

REACH Regulation Annex XIV Authorization List:

None of the ingredients is listed.

15.2 Chemical safety assessment:

A Chemical Safe Assessment has not been carried out.

SECTION 16: Other information

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.

Safety Data Sheet



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

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

PBT: Persistent, Bio accumulative and Toxic

vPvB: very persistent and very bio accumulative

SVHC: Substance of Very High Concern

LD50: Lethal dose, 50 percent

LC50: Lethal concentration, 50 percent

EC50: Concentration of maximal effect, 50 percent

NOEC: No observed effect concentration

Skin Sens. 1: Skin sensitization, hazard category 1

Relevant H- and EUH-phrases (number and full text):

H317 May cause an allergic skin reaction

Part Number
DT000078
DT000079
DT000080
DT000081
DT000082
DT000083
DT000084

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