

SAFETY DATA SHEET

according to Regulation (EU) No. 2015/830

Version 1.0: Revision date: 01/03/21

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

1.1 Product identifiers

Product name: Puraflow 99C Solid Solder Wire

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

Identified use: Soldering

Uses advised against: Any other than the identified use.

1.3 Details of the supplier of the safety data sheet

Company: The Solder Connection
Unit 5 Severn Link Distribution Centre
Chepstow
Monmouthshire
NP16 6UN

Telephone: +44 (0) 1291 624400

E-mail address: sales@solderconnection.co.uk

Website: www.solderconnection.co.uk

1.4 Emergency phone number:

+44 (0) 1291624400 09:00 – 17:00 Hrs. Monday - Friday

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to regulation (EC) No 1272/2008

Not classified

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms

Not classified.

Signal word

Not classified.

Hazard statement(s):

No known significant effects or critical hazards.

Supplemental Hazard Information

N/A

2.3 Other hazards

No known significant effects or critical hazards.

SECTION 3: Composition/Information on ingredients

3.2 Mixtures

Component	Classification according to Regulation (EC) No 1278/2008 (CLP)	Conc (%w/w)
Tin		
CAS No 7440-31-5 EC No 231-141-8 REACH Registration No. 01-2119486474-28		> 90
Copper -		
CAS No 7440-50-8 EC No 231-159-6 REACH Registration No. 01-2119480154-42		< 3

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

If you feel unwell, seek medical advice (show the label where possible). Show this safety data sheet to the doctor/physician in attendance. No action shall be taken involving any personal risk or without suitable training.

Following inhalation

N/A

Following skin contact

Flush contaminated skin with plenty of water. Cuts should be treated promptly and covered.

Following Eye contact

Get medical attention if any damage to the eye is caused by the metal.

Following ingestion

N/A

SECTION 5: Firefighting measures

5.1 Extinguishing media

Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media

N/A

5.2 Special hazards arising from the substance or mixture

No specific fire or explosion hazard.

5.3 Advice for firefighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

No special protection is required.

5.4 Further information

Decomposition products may include the following materials:
metal oxide/oxides

SECTION 6: Accidental release measures

6.1 Personal precautions, protection equipment and emergency procedures

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.2 Environmental precautions

No specific hazard.

6.3 Methods and material for containment and cleaning up

Small Spill: Restack safely. Take care with items that are sharp or heavy.

Large Spill: Restack safely. Take care with items that are sharp or heavy.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Put on appropriate personal protective equipment (see Section 8). Take care with items that are sharp or heavy.

Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

7.3 Specific end use

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Tin	EH40-OES (United Kingdom (UK), 2002). TWA: 2 mg/m ³ 8 hours. STEL: 4 mg/m ³ 15 minutes.
Copper (Copper dusts and mists (as Cu))	EH40/2005 WELs (United Kingdom (UK), 12/2011). Notes: as Cu STEL: 2 mg/m ³ , (as Cu) 15 minutes. Form: Dusts and Mists TWA: 1 mg/m ³ , (as Cu) 8 hours. Form: Dusts and Mists TWA: 0.2 mg/m ³ , (as Cu) 8 hours. Form: Fume

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

8.2 Exposure controls

8.2.1 Appropriate engineering controls:

No special ventilation requirements..

8.2.2 Personal protective equipment

8.2.2.1 Eye and face protection:

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

8.2.2.2 Skin protection:

Use strong, cut-resistant gloves suitable for handling metals. < 1 hour (breakthrough time): disposable vinyl.

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Recommended: overall

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

8.2.2.3 Respiratory protection:

Not applicable. Recommended: None assigned.

8.2.2.4 Environmental exposure controls:

Not applicable.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Solid
Colour	Silvery
Odour	None
Flash Point	N/A
Solubility	Insoluble in the following materials: cold water and hot water.
Melting Point / Freezing Point	228 to 250°C

SECTION 10: Stability and reactivity

10.1 Reactivity

No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability

The product is stable.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

11.1.3 Hazard information

No data is available on this product.

11.1.4 Toxicological information

No data is available on this product.

11.1.9 Delayed and immediate effects as well as chronic effects from short and long-term exposure

No data is available on this product.



SECTION 12: Ecological information

12.1 Toxicity

No data is available on this product.

12.2 Persistence and degradability

No data is available on this product.

12.3 Bioaccumulative potential

No data is available on this product.

12.4 Mobility in soil

No data is available on this product.

12.5 Results of PBT and vPvB assessment

No data is available on this product.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.

The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Waste code	Waste designation
10 08 11	<i>dross and skimmings other than those mentioned in 10 08 10</i>

SECTION 14: Transport information

- | | | |
|------|-------------------------|--|
| 14.1 | UN number | The product is not classified as dangerous for carriage. |
| 14.2 | UN proper shipping name | The product is not classified as dangerous for carriage. |

14.3	Transport hazard class	The product is not classified as dangerous for carriage.
14.4	Packing group	The product is not classified as dangerous for carriage.
14.5	Environmental hazards	The product is not classified as dangerous for carriage.
	Environmental hazards	The product is not classified as dangerous for carriage.
	Marine pollutant	The product is not classified as dangerous for carriage.
	ADR/RID	
	Hazard ID	The product is not classified as dangerous for carriage.
	Tunnel Category	
	IMDG	The product is not classified as dangerous for carriage.
14.6	Special precautions for user	The product is not classified as dangerous for carriage.

SECTION 15: Regulatory information

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

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

SECTION 16: Other information

N/A

The information in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.