

Product Name: **Silweld 40 FC****1. Identification of the Product and Company****1.1. Identification of the Product** Brazing Alloy **Silweld 40 FC****1.2. Company**

County Welding & Brazing Supplies Ltd.
Unit 53G Symondscliff Way
Severn Bridge Industrial Estate
Caldicot
Monmouthshire NP26 5PW

1.3. Emergency Telephone No. 01291 431373**2. Information on Ingredients**

<u>Substance</u>	<u>CAS No.</u>	<u>% Present</u>	<u>EEC Symbol(s)</u>	<u>R-phrases</u>
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There are no ingredients classified as hazardous to be mentioned in bare rod form. This rod has a thin coating of flux on them. The exact amount of coating is unknown. It can be reasonably estimated that there is less than 1% of each of the flux constituents present on any given rod when compared to the mass of the rod itself. The composition values given for the flux coating are the composition of the flux when the rods are flux coated.

Fluxes are obtained by chemical reaction (and not mixture) among potassium simplex and complex salts (Fluoborate CAS 14075-53-7 and Metaborate CAS 13709-94-9) Boric Anhydride (CAS 1303-85-2) and Boric Acid (CAS 10043-35-3)

This alloy composition is according to the International Norms :

DIN 8513 L-Ag-40 Sn BS 1845 Ag 20 En-1044 Ag 105 AWS 5-8A Bag-28

3. Hazards Identification**3.1 Most Important Hazards for the Substance/Preparation:**

This product is not classified according to the EU regulations.

3.2 Potential Acute Health Effects:

Non-corrosive for skin. Non-irritant for skin. Non-sensitive for skin. Non-permeator by skin. Non-irritating to the eyes Non hazardous in case of ingestion. Non-Hazardous in case of inhalation. Non-Irritant for lungs. Non-sensitive for lungs. Non-corrosive to the eyes. Non corrosive for lungs.



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3.3 Potential Chronic Health Effects:

Non-corrosive for skin. Non-irritant for skin. Non-sensitive for skin. Non-permeator by skin. Non-irritating to the eyes Non hazardous in case of ingestion. Non-Hazardous in case of inhalation. Non-Irritant for lungs. Non-sensitive for lungs. Non-corrosive to the eyes. Non-corrosive for lungs.

CARCINOGENIC EFFECTS; Classified None, None, None, (Silweld 40 BS1845 Ag-20)

MUTAGENIC EFFECTS; Classified None, for humans, (Silweld 40 BS1845 Ag-20)

DEVELOPMENTAL TOXICITY; Classified Reproductive system/toxin/female, Reproductive system/toxin/male (None) (Silweld 40, BS1845 Ag-20)

This substance may be toxic to upper respiratory tract.

Repeated or prolonged exposure to the substance can produce target organs damage.

4. First Aid Measures

In case of swallowing	- seek medical advice.
In case of inhalation (of fumes)	- remove to fresh air.
In case of contact with eyes	- the glare of the flame irritates unprotected eyes, consult eye specialist.
In case of contact with skin	-disinfect eventual burns.

5. Fire Fighting Measures

5.1. Extinguishing media: Suitable: Will not burn; use extinguishing media for surrounding fires.

Not suitable: None.

5.2 If involved in a fire: No special prescriptions

6. Accidental Release Measures

None.

7. Handling and Storage

7.1. Handling No special prescriptions.

7.2. Storage Store in dry.

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- 8.1.** Keep personal exposure below national regulatory levels (see Section 15). Ventilation must be sufficient to evacuate fumes from the breathing area of brazing operators
- 8.2. Hand Protection** No special protection
- 8.3. Eye Protection** Approved coloured welding glasses must be used when brazing.
- 8.4. Skin Protection** As appropriate for handling.

9. Physical and Chemical Properties

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| 9.1. Appearance:
Metallic Wire | 9.8. Explosive Properties:
Not explosive |
| 9.2. Odour:
None | 9.9. Oxidising Properties:
Not an oxidiser |
| 9.3. pH:
None | 9.10. Vapour Pressure:
None |
| 9.4. Boiling Pt/Rge:
Not applicable | 9.11. Density:
Not Determined g/cm ³ approx |
| 9.5. Melting Pt/Rge:
650 - 710 °C | 9.12. Not determined |
| 9.6. Flash Point:
Not applicable (solid) | 9.13. Solubility:
Water - None
Fat - Not Fat
Other solvents - None |
| 9.7. Flammability:
Not flammable | 9.14. Partition Coefficient:
None (see 9.14) |
| 9.8. Autoflammability:
See 9.7 | 9.15. Other Data:
None relevant to safety |



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10. Stability and Reactivity

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|---|------------------------|
| 10.1 Conditions to Avoid: | None |
| 10.2 Materials to Avoid: | None |
| 10.3 Hazardous decomposition products: | None |
| 10.4 Stability: | The product is stable. |
| 10.5 Hazardous Polymerization: | Will not occur. |

11. Toxicology Information

The flux on this product can cause irritation locally in skin folds or on contact in conjunction with tight clothing.

Only oral ingestion is harmful for health.

The ingestion of the flux either in powder, cream powder or paste form will result in fluorine poisoning with progressive symptoms, nausea, vomiting and diarrhoea.

Prolonged effects

Prolonged exposure by inhalation of brazing fumes is detrimental to health.

12. Ecological Information

The product must not be conveyed in the sewers or surface water. It is dangerous for fish and micro-organisms.

13. Disposal Considerations

Users should acquaint themselves with local and national regulations.

Disposal should be carried out by placing the waste in suitable labelled containers for recycling or for treatment under controlled conditions at a licensed waste material processor.

If involved in incineration (see section 5



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Product Name: **Silweld 40 FC**

14. Transport Information

Proper Shipping Name: None

UN Number:

Hazard Class:

ADR/RID:

Symbol:

Packing Group:

IATA/DGR limits:

15. Regulatory Information

Classified according to the Directives 67/548/EEC and 88/379/EEC, and their various amendments:-

None, this product is in a compact form.

Warning symbols - None

Warning words - None

Risk phrases - None

Safety Phrases - S39: Wear eye/face protection
S51: Use only in well ventilated areas

Other - None

16. Other Information

References (1) Suppliers' Safety Data Sheets on components
(2) Annex I of Directive 67/548/EEC

The format of this Safety Data Sheet conforms to the requirements of EC Directive 91/155/EEC.

DISCLAIMER OF LIABILITY The information in this MSDS was obtained from sources, which we believe are reliable. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the

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handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS may not be applicable.