

SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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Silver Solder No 43

Revision 1

Revision date 2015-11-13

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

1.1. Product identifier

| | |
|--------------|---------------------|
| Product name | Silver Solder No 43 |
| Product code | RO431506 + RX431500 |

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

| | |
|-------------|--|
| Product Use | [SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [SU15] Manufacture of fabricated metal products, except machinery and equipment; [PC38] Welding and soldering products (with flux coatings or flux cores.), flux products; |
|-------------|--|

1.3. Details of the supplier of the safety data sheet

| | |
|---------------------------------------|---|
| Company | Weldability Sif |
| Address | Peters House, The Orbital Centre, Icknield Way, Letchworth Garden City, Hertfordshire, SG6 1ET. UK. |
| Web | www.weldability-sif.com |
| Telephone | 0870 330 7757 |
| Fax | 0800 970 7757 |
| Email | service@weldability-sif.com |
| Email address of the competent person | msds@weldability-sif.com |

1.4. Emergency telephone number

| | |
|----------------------------|--|
| Emergency telephone number | 0870 330 7757 |
| Company | Weldability Sif 8.30 - 5.30 Mon - Fri |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

| | |
|--------------------------------------|---|
| 2.1.1. Classification - 1999/45/EC | N; R51/53 Symbols: N: Dangerous for the environment. |
| Main hazards | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| 2.1.2. Classification - EC 1272/2008 | Aquatic Chronic 2: H411; |

2.2. Label elements

| | |
|-------------------|---|
| Hazard pictograms |  |
|-------------------|---|

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2.2. Label elements

| | |
|-------------------------------------|--|
| Hazard Statement | Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects. |
| Precautionary Statement: Prevention | P273 - Avoid release to the environment. |
| Precautionary Statement: Response | P391 - Collect spillage. |
| Precautionary Statement: Disposal | P501 - Dispose of contents/container to |

SECTION 3: Composition/information on ingredients

3.2. Mixtures

67/548/EEC / 1999/45/EC

| Chemical Name | Index No. | CAS No. | EC No. | REACH Registration Number | Conc. (%w/w) | Classification | M-factor. |
|---------------------------------------|--------------|-----------|-----------|---------------------------|--------------|----------------|-----------|
| Silver (Silver, metallic) | | 7440-22-4 | 231-131-3 | | | | |
| Copper (Copper fume) | | 7440-50-8 | 231-159-6 | | | | |
| zinc powder - zinc dust (stabilised). | 030-001-01-9 | 7440-66-6 | 231-175-3 | | | N; R50/53 | |

EC 1272/2008

| Chemical Name | Index No. | CAS No. | EC No. | REACH Registration Number | Conc. (%w/w) | Classification | M-factor. |
|---------------------------------------|--------------|-----------|-----------|---------------------------|--------------|--|-----------|
| Silver (Silver, metallic) | | 7440-22-4 | 231-131-3 | | | | |
| Copper (Copper fume) | | 7440-50-8 | 231-159-6 | | | | |
| zinc powder - zinc dust (stabilised). | 030-001-01-9 | 7440-66-6 | 231-175-3 | | | Aquatic Acute 1: H400; Aquatic Chronic 1: H410; | |

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|--------------|---|
| Inhalation | Move the exposed person to fresh air. Seek medical attention if irritation or symptoms persist. |
| Eye contact | Avoid contact with eyes. Seek medical attention. |
| Skin contact | Wash off immediately with plenty of soap and water. |
| Ingestion | If swallowed, seek medical advice immediately and show this container or label. |

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
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| | Extinguishing media. Carbon dioxide (CO2). Dry chemical. For large fires: Alcohol resistant foam. Water jet. |
|--|--|

5.3. Advice for firefighters

| | |
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| | Self-contained breathing apparatus. Wear suitable respiratory equipment when necessary. |
|--|---|

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

| | |
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| | Avoid formation of dust. Ensure adequate ventilation of the working area. |
|--|---|

6.3. Methods and material for containment and cleaning up

| | |
|--|--|
| | Sweep up. No specific clean up requirements. Refer to disposal considerations in Section 13. |
|--|--|

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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|--|-----------------------|
| | Wear suitable gloves. |
|--|-----------------------|

7.2. Conditions for safe storage, including any incompatibilities

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7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed and dry.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

| | | |
|---|--|--|
| Copper (Copper dusts and mists (as Cu)) | WEL 8-hr limit ppm: - | WEL 8-hr limit mg/m3: 1 |
| | WEL 15 min limit ppm: - | WEL 15 min limit mg/m3: 2 |
| | WEL 8-hr limit mg/m3 total - inhalable dust: | WEL 15 min limit mg/m3 total - inhalable dust: |
| | WEL 8-hr limit mg/m3 total - respirable dust: | WEL 15 min limit mg/m3 total - respirable dust: |
| Copper (Copper fume) | WEL 8-hr limit ppm: - | WEL 8-hr limit mg/m3: 0.2 |
| | WEL 15 min limit ppm: - | WEL 15 min limit mg/m3: - |
| | WEL 8-hr limit mg/m3 total - inhalable dust: | WEL 15 min limit mg/m3 total - inhalable dust: |
| | WEL 8-hr limit mg/m3 total - respirable dust: | WEL 15 min limit mg/m3 total - respirable dust: |
| Silver (Silver, metallic) | WEL 8-hr limit ppm: - | WEL 8-hr limit mg/m3: 0.1 |
| | WEL 15 min limit ppm: - | WEL 15 min limit mg/m3: - |
| | WEL 8-hr limit mg/m3 total - inhalable dust: | WEL 15 min limit mg/m3 total - inhalable dust: |
| | WEL 8-hr limit mg/m3 total - respirable dust: | WEL 15 min limit mg/m3 total - respirable dust: |

8.2. Exposure controls



8.2.1. Appropriate engineering controls

Keep away from foodstuffs, beverages and feed.

8.2.2. Individual protection measures

Use appropriate personal protective equipment.

Eye / face protection

Wear suitable protective clothing and eye/face protection.

Skin protection -
Handprotection

Wear suitable gloves.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---------------|----------------|
| Appearance | Solid |
| Colour | Brown |
| Odour | Characteristic |
| Melting point | 630 - 660 °C |

SECTION 10: Stability and reactivity

10.2. Chemical stability

Stable under normal conditions.

10.6. Hazardous decomposition products

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10.6. Hazardous decomposition products

None.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|-----------------------------------|---|
| Skin corrosion/irritation | May cause irritation to skin in susceptible persons. |
| Respiratory or skin sensitisation | May cause sensitisation by inhalation. Inhalation may cause nausea and vomiting. May cause drowsiness or dizziness. |

SECTION 12: Ecological information

Further information

Avoid release to the environment. Refer to special instructions/Safety data sheets.

SECTION 13: Disposal considerations

General information

This material and its container must be disposed of in a safe way.

Disposal methods

Dispose of in compliance with all. local and national regulations.

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(es)

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.

14.6. Special precautions for user

The product is not classified as dangerous for carriage.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

The product is not classified as dangerous for carriage.

SECTION 15: Regulatory information

SECTION 16: Other information

Other information

| | |
|-----------------------------------|--|
| Revision | This document differs from the previous version in the following areas: 2 - 2.1.2. Classification - EC 1272/2008. 2 - Precautionary Statement: Prevention. 2 - Precautionary Statement: Response. 2 - Precautionary Statement: Disposal. |
| Text of risk phrases in Section 3 | R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |

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Other information

| | |
|---|---|
| Text of Hazard Statements in Section 3 | Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects. |
|---|---|

General information

| | |
|--|--|
| | The information supplied in this safety data sheet is designed only as guidance for safe use, storage and handling of the product. This information relates only to the specific goods listed and may not be valid for such material used in combination with any other product(s). 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. |
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