

SAFETY DATA SHEET

according to Regulation (EU) 2015/830

Page 1/5

Sifsilcopper Flux

Revision 2

Revision date 2015-11-16

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

1.1. Product identifier

| | |
|--------------|-------------------|
| Product name | Sifsilcopper Flux |
| Product code | FO070050 |

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 | T; R60-61 Symbols: T: Toxic. |
| Main hazards | May impair fertility. May cause harm to the unborn child. |
| 2.1.2. Classification - EC 1272/2008 | Repr. 1B: H360FD; Repr. 1B: H360Fd; |

2.2. Label elements

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

Sifsilcopper Flux

Revision 2

Revision date 2015-11-16

2.2. Label elements

| | |
|-------------------------------------|---|
| Signal Word | Danger |
| Hazard Statement | Repr. 1B: H360FD - May damage fertility. May damage the unborn child. Repr. 1B: H360Fd - May damage fertility. Suspected of damaging the unborn child. |
| Precautionary Statement: Prevention | P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P280 - Wear protective gloves/protective clothing/eye protection/face protection. |
| Precautionary Statement: Response | P308+P313 - IF exposed or concerned: Get medical advice/attention. |
| Precautionary Statement: Storage | P405 - Store locked up. |
| 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. |
|---|--------------|------------|-----------|---------------------------|--------------|----------------------|-----------|
| boric acid. . | 005-007-00-2 | 10043-35-3 | 233-139-2 | | | Repr. Cat. 2; R60-61 | |
| disodium tetraborate, anhydrous. . (Disodium tetraborate, anhydrous) | 005-011-00-4 | 1330-43-4 | 215-540-4 | | | Repr. Cat. 2; R60-61 | |

EC 1272/2008

| Chemical Name | Index No. | CAS No. | EC No. | REACH Registration Number | Conc. (%w/w) | Classification | M-factor. |
|---|--------------|------------|-----------|---------------------------|--------------|-------------------|-----------|
| boric acid. . | 005-007-00-2 | 10043-35-3 | 233-139-2 | | | Repr. 1B: H360FD; | |
| disodium tetraborate, anhydrous. . (Disodium tetraborate, anhydrous) | 005-011-00-4 | 1330-43-4 | 215-540-4 | | | Repr. 1B: H360FD; | |

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|--------------|---|
| Inhalation | Move the exposed person to fresh air. |
| Eye contact | Rinse immediately with plenty of water for 15 minutes holding the eyelids open. |
| Skin contact | No irritation expected. |
| Ingestion | DO NOT INDUCE VOMITING. DO NOT DRINK. Seek medical attention. |

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|--|---|
| | Carbon dioxide (CO2). Extinguishing media. Water spray. |
|--|---|

5.3. Advice for firefighters

| | |
|--|---|
| | Wear suitable respiratory equipment when necessary. |
|--|---|

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

| | |
|--|------------------------|
| | Not normally required. |
|--|------------------------|

6.2. Environmental precautions

| | |
|--|---|
| | Advise local authorities if large spills cannot be contained. |
|--|---|

6.3. Methods and material for containment and cleaning up

| | |
|--|--|
| | Dispose of in compliance with all local regulations. Refer to disposal considerations in Section 13. |
|--|--|

SECTION 7: Handling and storage

Sifsilcopper Flux

Revision 2
Revision date 2015-11-16

7.1. Precautions for safe handling

| | |
|--|--------------------------------------|
| | Handle and open container with care. |
|--|--------------------------------------|

7.2. Conditions for safe storage, including any incompatibilities

| | |
|--|--|
| | Advised preservation period under normal conditions is 6 months. |
|--|--|

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

| | | |
|---|--|--|
| disodium tetraborate, anhydrous. (Disodium tetraborate, anhydrous) | WEL 8-hr limit ppm: - | WEL 8-hr limit mg/m3: 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 | Remove contaminated clothing. |
| Eye / face protection | Avoid contact with eyes. Wear eye/face protection. |
| Skin protection - Handprotection | Wear suitable gloves. Wash hands after handling the product. |
| Respiratory protection | Not normally required. |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|-----------------------|---------------------------|
| Appearance | Solid/Powder |
| Colour | White |
| Odour | Odourless |
| Initial boiling point | 300 °C |
| Solubility | Slightly soluble in water |

SECTION 10: Stability and reactivity

10.2. Chemical stability

| | |
|--|---------------------------------|
| | Stable under normal conditions. |
|--|---------------------------------|

10.3. Possibility of hazardous reactions

| | |
|--|------------------------|
| | No Significant Hazard. |
|--|------------------------|

10.6. Hazardous decomposition products

| | |
|--|-------|
| | None. |
|--|-------|

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Sifsilcopper Flux

Revision 2

Revision date 2015-11-16

11.1. Information on toxicological effects

| | |
|-----------------------------------|------------------------------------|
| Skin corrosion/irritation | No irritation expected. |
| Serious eye damage/irritation | May cause irritation to eyes. |
| Respiratory or skin sensitisation | No sensitization effects reported. |

SECTION 12: Ecological information

Further information

| | |
|--|---|
| | Toxic to aquatic organisms. Water endangering. Do not allow product to enter drains. Do not flush into surface water. |
|--|---|

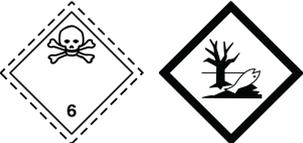
SECTION 13: Disposal considerations

Disposal methods

| | |
|--|---|
| | This material and its container must be disposed of in a safe way. Local and national regulations. Do not mix with household rubbish. |
|--|---|

SECTION 14: Transport information

Hazard pictograms

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|--|--|
| |  |
|--|--|

14.1. UN number

| | |
|--|--------|
| | UN3288 |
|--|--------|

14.2. UN proper shipping name

| | |
|--|--------------------------------|
| | TOXIC SOLID, INORGANIC, N.O.S. |
|--|--------------------------------|

14.3. Transport hazard class(es)

| | |
|-----------------|-----|
| ADR/RID | 6.1 |
| Subsidiary risk | - |
| IMDG | 6.1 |
| Subsidiary risk | - |
| IATA | 6.1 |
| Subsidiary risk | - |

14.4. Packing group

| | |
|---------------|-----|
| Packing group | III |
|---------------|-----|

14.5. Environmental hazards

| | |
|-----------------------|-----|
| Environmental hazards | Yes |
| Marine pollutant | Yes |

ADR/RID

| | |
|-----------|----|
| Hazard ID | 60 |
|-----------|----|

IMDG

| | |
|----------|---------|
| EmS Code | F-A S-A |
|----------|---------|

IATA

| | |
|-----------------------------|--------|
| Packing Instruction (Cargo) | 677 |
| Maximum quantity | 200 kg |

Sifsilcopper Flux

Revision 2

Revision date 2015-11-16

IATA

| | |
|------------------|--------|
| Maximum quantity | 100 kg |
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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 - Hazard pictograms. 2 - Signal Word. 2 - Precautionary Statement: Prevention. 2 - Precautionary Statement: Response. 2 - Precautionary Statement: Storage. 2 - Precautionary Statement: Disposal. |
| Text of risk phrases in Section 3 | R60 - May impair fertility. R61 - May cause harm to the unborn child. |
| Text of Hazard Statements in Section 3 | Repr. 1B: H360FD - May damage fertility. May damage the unborn child. |

General information

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|--|--|
| | 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. 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). |
|--|--|