

Solder Paste SC BLF02

Revision date: 13.07.2012 / 13.04.2014 Version: Date of print: 12.05.2015

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifiers****Solder Paste SC BLF02**

The substance does not require registration according to Regulation (EC) No 1207/2006 [REACH]: X

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

Processing for soldering, not for private use!

Use of the substance/ preparation:

Processing for soldering The product is intended for professional use.

1.3. Details of the supplier of the safety data sheet**Supplier (manufacturer/importer/
downstream user/distributor):**

Solder Chemistry

Fragnerstraße 4

84034 Landshut

+49/871/4309500

Telephone:**Telefax:**

+49/871/43095020

E-mail (competent person):

m.sudnik@solderchemistry.com www.solderchemistry.com

1.4. Emergency telephone number**Dept. responsible for information:**

+49/173/9991856

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture**

Classification according to Directive 67/548/EEC or 1999/45/EC:

This preparation is not classified as dangerous according to 1999/45/EC.

2.2. Label elements**2.3. Other hazards****SECTION 3: Composition / Information on ingredients****3.2. Mixtures****Hazardous ingredients:**

| CAS No. | EC No | Chemical name:/ REACH registration No. | of (%) | up to (%) | Unit/ Content | Hazard symbol(s) | R phrases | INDEX no. |
|-----------|-----------|---|--------|--------------|------------------|------------------|-----------|--------------|
| 7440-31-5 | 231-141-8 | tin | 80 | 88 | % by weight | - | | |
| 00-00-0 | 000-000-0 | Flux based on resin | 10 | 16 | % by weight | Xi | 43 | 650-015-00-7 |
| 7440-22-4 | 231-131-3 | silver | 0 | 2 | % by weight | - | | |
| 7440-50-8 | 231-159-6 | copper | 0 | 1 | % by weight | - | | |

Full text of R-phrases: see section 16.

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Labelling (CLP):

| CAS No. | EC No | Chemical name:/ REACH registration No. | Hazard pictograms | Signal word | Hazard statements |
|-----------|-----------|---|-------------------|-------------|-------------------|
| 7440-31-5 | 231-141-8 | tin | | | |
| 00-00-0 | 000-000-0 | Flux based on resin | GHS07 | Warning | 317 |
| 7440-22-4 | 231-131-3 | silver | | | |
| 7440-50-8 | 231-159-6 | copper | | | |

Full text of H-phrases: see section 16.**Additional information:**

When processing under normal conditions and in compliance with general rules of hygiene product is not dangerous.

SECTION 4: First aid measures**4.1. Description of first aid measures****General information:**

No special instructions.

In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, consult a physician.

In case of eye contact:

Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion:

Rinse mouth immediately and drink plenty of water. If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

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

No special instructions.

4.3. Indication of any immediate medical attention and special treatment needed**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media:**Carbon dioxide (CO₂). Foam. Extinguishing powder.**Extinguishing media which must not be used for safety reasons:**

Water.

5.2. Special hazards arising from the substance or mixture**Special exposure hazards arising from the substance or preparation itself, its combustion products or from resulting gases:**In case of fire may be liberated: Carbon monoxide. Carbon dioxide (CO₂).**5.3. Advice for firefighters****Special protective equipment for firefighters:**

Use appropriate respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel****Personal precautions:**

See protective measures under point 7 and 8.

6.1.2. For emergency responders**Personal protective equipment:**

With correct and proper use, and under normal conditions, breathing protection is not required. Disposable gloves Suitable material: PVC (Polyvinyl chloride). NR (natural rubber, natural latex). Use gloves only once.

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6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up**Methods for cleaning up:**

Take up mechanically, placing in appropriate containers for disposal. Wipe up with absorbent material (eg. cloth, fleece).

6.4. Reference to other sections**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advices on safe handling:**

All work processes must always be designed so that the following is as low as possible: Skin contact Eye contact. No special measures are necessary. Always close containers tightly after the removal of product. Do not put any product-impregnated cleaning rags into your trouser pockets.

Precautions against fire and explosion:

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storerooms and containers:**

Keep/Store only in original container.

Hints on joint storage:

Do not store together with: Food and feedingstuffs

Further information on storage conditions:

Keep only in the original container in a cool, well-ventilated place.

7.3. Specific end use(s)

Processing for soldering

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

Components with occupational exposure limits resp. biological occupational exposure limits requiring monitoring:

Occupational exposure limit values:

| CAS No. | Chemical name | AGW (DE) | Unit | ppm | Peak limitation | Remark |
|-----------|---------------|----------|-------------------|-----|-----------------|---------|
| 7440-22-4 | silver | 0.1E | mg/m ³ | | 8(II) | DFG, EU |

8.2. Exposure controls**8.2.1. Appropriate engineering controls****Technical measures:**

No special measures required.

8.2.2. Personal protective equipment**Respiratory protection:** With correct and proper use, and under normal conditions, breathing protection is not required.**Hand protection:** Suitable gloves type: Disposable gloves**Suitable material:** PVC (Polyvinyl chloride). NR (natural rubber, natural latex).**Eye protection:** Eye glasses.**Body protection:** Only wear fitting, comfortable and clean protective clothing.

When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

8.2.3. Environmental exposure controls:

See chapter 7. No additional measures necessary.

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SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state: Paste
Colour: grey
Odour: earthy

Important health, safety and environmental information:

| | | Unit | Method |
|---------------------------------------|--------------------------------------|-------|---|
| pH: | 4 - 6 | | |
| Melting point / melting range: | 217 - 230 | °C | at °C 20 <i>Remark: Value for flux</i> |
| Flammability: | <i>Flammable with flame</i> | | |
| Spontaneously flammable: | <i>Product is not self-flammable</i> | | |
| Oxidizing characteristics: | <i>No oxidising characteristics</i> | | |
| Explosivity: | <i>No danger of explosion</i> | | |
| Viscosity: | 400 - 1000 | mPa s | at °C 25 |

9.2. Other information**SECTION 10: Stability and reactivity****10.1. Reactivity**

Not known

10.2. Chemical stability**10.3. Possibility of hazardous reactions**

Not known

10.4. Conditions to avoid**10.5. Incompatible materials****10.6. Hazardous decomposition products****SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute toxicity:**

No data available

Irritant and corrosive effects:

Not known

Sensitisation:

No sensitising effects known

SECTION 12: Ecological information**12.1. Toxicity****Aquatic toxicity:**

No toxicity known

Terrestrial toxicity:

No toxicity known

12.2. Persistence and degradability**12.3. Bioaccumulative potential****12.4. Mobility in soil****12.5. Results of PBT and vPvB assessment**

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12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste name: Non-ferrous metal

Waste code product: 120104

Contaminated packaging:

Recommendation:

see above

Waste name: waste plastic

Waste code packaging: 070213

SECTION 14: Transport information

14.1. Land transport (ADR/RID)

14.2. Inland waterway craft (ADN/ADNR)

14.3. Sea transport (IMDG)

14.4. Air transport (ICAO-TI / IATA-DGR)

14.5. Additional information:

SECTION 15: Regulatory information

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

Betriebssicherheitsverordnung (BetrSichV): -

Water Hazard Class: 1 Source: S Selbsteinstufung

15.2. Chemical Safety Assessment

SECTION 16: Other information

Relevant R-and H-phrases (Number and full text):

| R phrases | |
|-----------|--|
| R43 | May cause sensitization by skin contact. |

| Hazard statements | |
|-------------------|--------------------------------------|
| H317 | May cause an allergic skin reaction. |