

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
Version 6.0: Revision date: 15/09/2020

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

1.1 Product identifiers

Product name: TSC Leaded Solder Paint

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

Identified use: Soldering metal joints. Industrial uses [SU3];
Professional uses [SU22].

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

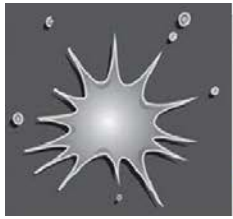
Skin Corr. 1B: H314;
Aquatic Acute 1: H400;
Aquatic Chronic 1: H410;
Acute Tox. 4: H302;
STOT SE 3; H335: C \geq 5 %

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms





Signal word Danger

Hazard statement(s):

| | |
|-------|--|
| H302 | Harmful if swallowed |
| H314 | Causes severe skin burns and eye damage |
| H335 | May cause respiratory irritation |
| H360D | May damage fertility. May damage the unborn child |
| H362 | May cause harm to breast-fed children |
| H400 | Very toxic to aquatic life |
| H410 | Very toxic to aquatic life with long lasting effects |

Precautionary statements:

| | |
|-------------|--|
| P201 + P202 | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood |
| P260 | Do not breathe dust/fume/gas/mist/vapours/spray |
| P263 | Avoid contact during pregnancy and while nursing |
| P264 | Wash hands thoroughly after handling |
| P270 | Do not eat, drink or smoke when using this product |
| P271 | Use only outdoors or in a well-ventilated area |
| P273 | Avoid release to the environment |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection |

P301 + P312 + P330 + P331 – IF SWALLOWED: Call a POISON CENTRE or doctor/physician. Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 – IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.

P304 + P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308 + P313 – If exposed or concerned: Get medical advice.

P363 – Wash contaminated clothing before reuse.

P391 – Collect spillage. Hazardous to the aquatic environment.

P403 + P233 – Store in a well-ventilated place. Keep container tightly closed.

P405 – Store locked up.

P501 – Dispose of contents/container to all local/regional/national/international regulations.

Supplemental Hazard Information N/A

2.3 Other hazards None known

SECTION 3: Composition/Information on ingredients

3.2 Mixtures

| Component | Classification according to Regulation (EC) No 1278/2008 (CLP) | Conc (%w/w) |
|---|---|-------------|
| Lead Ingot (Lead) | | |
| CAS No 7439-92-1 EC No 231-100-4 Index No REACH Registration No. 01-2119513221-59-xxxx | Repr. 1A: H360FD: May dam; Lact.: H362 | 40-60 |
| Tin | | |
| CAS No 7440-31-5 EC No 231-141-8 Index No REACH Registration No. 01-2119486474-28-xxxx | | 20-30 |
| Zinc chloride (Zinc chloride, fume) | | |
| CAS No 7646-85-7 EC No 231-592-0 Index No 030-003-00-2 REACH Registration No. 01-2119472431-44-xxxx | Skin Corr. 1B: H314; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Acute Tox. 4: H302; STOS SE 3: H335; C ≥ 5 % | 10-20 |

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.

Following inhalation

Inhalation of vapour may cause shortness of breath. Seek medical attention.

Following skin contact

Causes burns. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.

Following eye contact

Causes burns. Causes severe inflammation and may damage the cornea. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention.

Following ingestion

Ingestion causes burns to the respiratory tract. DO NOT INDUCE VOMITING. Toxic if swallowed. If swallowed seek medical advice immediately and show this container or label.

- 4.2 Most important symptoms and effects, both acute and delayed**
Causes severe inflammation and may damage the cornea. Inhalation may cause shortness of breath. May cause nausea and vomiting.
- 4.3 Indication of any immediate medical attention and special treatment needed**
Provide general supportive measures and treat symptomatically. If swallowed seek medical attention immediately and show this container or label.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media**
Use as appropriate: Carbon dioxide (CO₂), Dry chemical. Foam. Water spray.
Unsuitable extinguishing media
N/A
- 5.2 Special hazards arising from the substance or mixture**
Corrosive. Burning produce irritating, toxic and obnoxious fumes.
- 5.3 Advice for firefighters**
Wear self-contained breathing apparatus.
- 5.4 Further information**
N/A

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protection equipment and emergency procedures**
Ensure adequate ventilation of the working area. Wear suitable protective equipment. Evacuate personnel to a safe area. Advice for emergency responders: For personal protection see Section 8.
- 6.2 Environmental precautions**
Do not allow product to enter drains. Prevent further spillage if safe.
- 6.3 Methods and material for containment and cleaning up**
Stop leak if without risk. Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.
- 6.4 Reference to other sections**
For disposal see Section 13.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling**
Avoid contact with eyes and skin. Ensure adequate ventilation of the working area.
- 7.2 Conditions for safe storage, including any incompatibilities**
Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers. Store in original container.
- 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

| Component | CAS No. | Workplace Exposure Limit | | | | Basis |
|-------------------------------------|-----------|-------------------------------------|-------------------|---------------------------------------|-------------------|---|
| | | Long-term exposure limit (8-hr TWA) | | Short-term exposure limit (15 minute) | | |
| | | ppm | mg/m ³ | ppm | mg/m ³ | |
| Lead | 7439-92-1 | - | 0.15 | - | - | UK. EH40 WEL – Workplace Exposure Limit |
| Tin | 7440-31-5 | - | 0.1 | - | 0.2 | UK. EH40 WEL – Workplace Exposure Limit |
| Zinc chloride (Zinc chloride, fume) | 7646-85-7 | - | 1 | - | 2 | UK. EH40 WEL – Workplace Exposure Limit |

8.2 Exposure controls

8.2.1 Appropriate engineering controls:

Ensure adequate ventilation of the working area. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective occupational exposure limits. Ensure the eyewash stations and safety showers are close to the workstation location.

8.2.2 Personal protective equipment

Wear chemical protective clothing. Wash all contaminated clothing before reuse.

8.2.2.1 Eye and face protection:

Approved safety goggles required.

8.2.2.2 Skin protection:

Chemical resistant gloves (PVC)

Other skin protection:

Wear appropriate chemical resistant clothing.

Use as appropriate: Personal protective equipment for the body should be selected based on the task being performed and the risk involved and should be approved by a specialist before handling this product.

8.2.2.3 Respiratory protection:

Self-contained breathing apparatus.

8.2.2.4 Thermal hazards:

Wear appropriate thermal protective clothing, when necessary.

8.2.3 Environmental exposure controls:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | |
|------------|-------|
| Appearance | Paste |
|------------|-------|

| | |
|---------------------------|-------------------|
| Colour | Grey |
| Odour | Mild |
| pH | No data available |
| Melting point | No data available |
| Freezing point | No data available |
| Boiling point | No data available |
| Evaporation rate | No data available |
| Flammability rate | No data available |
| Vapour flammability | No data available |
| Upper Explosive Limit | No data available |
| Lower Explosive Limit | No data available |
| Vapour pressure | No data available |
| Vapour density | No data available |
| Relative density | No data available |
| Fat solubility | No data available |
| Partition coefficient | No data available |
| Auto ignition temperature | No data available |
| Oxidising | No data available |
| Solubility | Soluble in water |

9.2 Other safety information

| | |
|----------------------------------|-------------------|
| Conductivity | No data available |
| Surface tension | No data available |
| Gas group | No data available |
| Benzene content | No data available |
| Lead content | No data available |
| VOC (Volatile Organic Compounds) | No data available |

SECTION 10: Stability and reactivity

10.1 Reactivity

No further relevant information available.

10.2 Chemical stability

Stable under normal storage and transport conditions.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

Strong bases, Powdered metals.

10.6 Hazardous decomposition products

In the event of fire: See Section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Corrosive. Causes burns.

11.1.3 Hazard information

No data is available on this product.

11.1.4 Toxicological information

Toxic by inhalation.

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

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

No data available.

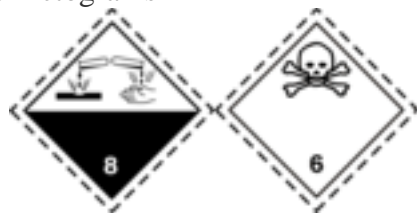
SECTION 13: Disposal considerations

13.1 Waste treatment methods

The generation of waste should be avoided or minimised wherever possible. Avoid dispersal of Spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, 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.

SECTION 14: Transport information

Hazard Pictograms



14.1 UN number

UN 2922

14.2 UN proper shipping name

CORROSIVE LIQUID, TOXIC, N.O.S. (Zinc Chloride and Lead)

| | | |
|------|---------------------------------|-------------------|
| 14.3 | Transport hazard class | |
| | ADR/RID | 8 |
| | Subsidiary risk | 6.1 |
| | IMDG | 8 |
| | Subsidiary risk | 6.1 |
| | IATA | 8 |
| | Subsidiary risk | 6.1 |
| 14.4 | Packing group | III |
| 14.5 | Environmental hazards | |
| | Environmental hazards | Yes |
| | Marine pollutant | Yes |
| | ADR/RID | |
| | Hazard ID | 86 |
| | Tunnel Category | (E) |
| | IMDG | |
| | EmS Code | F-A-S-B |
| | IATA | |
| | Packing Instruction (cargo) | 856 |
| | Maximum quantity | 60 L |
| | Packing instruction (passenger) | 852 |
| | Maximum quantity | 5 L |
| 14.6 | Special precautions for user | No data available |

SECTION 15: Regulatory information

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

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

Full text of H-Statements referred to under Sections 2 and 3

| | |
|-------|--|
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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.