

Email: sales@solderconnection.co.uk | Tel: +44(0)1291 624 400

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 Version 3.0: Revision date: 20/08/2018

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

1.1 Product identifiers

Product name: Fryolux Tinning Compound

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: <u>sales@solderconnection.co.uk</u>
Website: <u>www.solderconnection.co.uk</u>

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

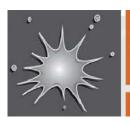
Classification according to regulation (EC) No 1272/2008

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

#### 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms



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Signal word Danger

#### Hazard statement(s):

H302 Harmful if swallowed

H314 Causes severe skin burns and eye damage

H335 May cause respiratory irritation

H410 Very toxic to aquatic life with long lasting effects

### Precautionary statements:

P260	Do not breathe dust/fume/gas/mist/vapours/spray
P261	Avoid breathing dust/fumes/gas/mist/vapours/spray
P264	Wash hands thoroughly after handling
D270	Do not not drink or smale when using this product

P270 Do not eat, drink or smoke when using this product P271 Use only outdoors or in well-ventilated areas

P273 Avoid release to the environment

P280 Wear protective gloves/protective clothing/eye protection/face

protection

P301 + P330 + P312 + P331 – IF SWALLOWED: Rinse mouth. Call a POISON CENTRE/doctor if you feel unwell. 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.

P310 – Immediately call a POISON CENTRE or doctor/physician.

P321 – Specific treatment (see on this label).

P330 – Rinse mouth.

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.

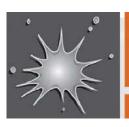
P501 – Dispose of contents/container to all local/regional/national/international regulations.

Supplemental Hazard Information N/A

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#### 2.3 Other hazards

None known

# **SECTION 3: Composition/Information on ingredients**

#### 3.2 **Mixtures**

Component	Classification according to Regulation (EC) No 1278/2008	Conc (%w/w)
	(CLP)	
Tin		
CAS No 7440-31-5		40-50
EC No 231-141-8		
Index No		
REACH Registration No. N/A		
Zinc chloride (Zinc chloride, fume)		
CAS No 7647-85-7	Acute Tox. 4: H302;	30-40
EC No 231-592-0	Skin Corr. 1B: H314;	
Index No 030-003-00-2	Aquatic Acute 1: H400;	
REACH Registration No. N/A	Aquatic Chronic 1: H410;	
Ammonium chloride (Ammonium chloride, fume)		
CAS No 12125-02-9	Acute Tox. 4: H302;	10-20
EC No 235-186-4	Eye Irrit. 2: H319;	
Index No 017-014-00-8	,	
REACH Registration No. N/A		

#### **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**

If breathed in, move person into fresh air. Seek medical attention if irritation symptoms persist.

#### **Following skin contact**

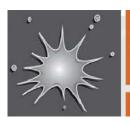
Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.

#### **Following eye contact**

Seek medical attention. Rinse immediately with plenty of water for 15 minutes.

# **Following ingestion**





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DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person. Rinse mouth with water (only if the person is conscious). 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. Ingestion 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.

Unsuitable extinguishing media

N/A

### 5.2 Special hazards arising from the substance or mixture

Corrosive. Burning produces 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

Avoid generation of dust. Clean the area using a vacuum cleaner. Transfer to suitable, labelled containers for disposal.

#### 6.4 Reference to other sections

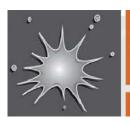
For disposal see Section 13.

### **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



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Keep out of the reach of children. 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 <sup>3</sup>	ppm	mg/m <sup>3</sup>	
Ammonium chloride (Ammonium chloride, fume)	12125-02-9	-	10	-	20	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)	7647-85-7	-	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.

### 8.2.2.1 Eye and face protection:

Approved safety goggles required.

### 8.2.2.2 Skin protection:

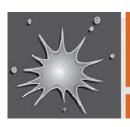
Chemical resistant gloves (PVC)

Other skin protection:

Wear appropriate chemical resistant clothing.



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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**

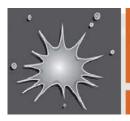
### 9.1 Information on basic physical and chemical properties

Appearance	Powder
Colour	Grey
Odour	Ammoniacal
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



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10.1 Reactivity

No further relevant information available.

10.2 Chemical stability

Stable under normal storage and transport conditions. Hygroscopic.

10.3 Possibility of hazardous reactions

N/A

10.4 Conditions to avoid

N/A

10.5 Incompatible materials

N/A

10.6 Hazardous decomposition products

In the event of fire: See Section 5.

### **SECTION 11: Toxicological information**

### 11.1 Information on toxicological effects

Causes burns.

#### 11.1.3 Hazard information

No data is available on this product.

# 11.1.4 Toxicological information

Toxic by inhalation and if swallowed.

# 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.

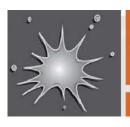
12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

No data available.

# **SECTION 13: Disposal considerations**



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#### 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**



1 / 1	TIME 1	TINT	2221
14.1	UN number	UN	2331

14.2 UN proper shipping name ZINC CHLORIDE, ANHYDROUS

14.3 Transport hazard class

ADR/RID 8
Subsidiary risk IMDG 8
Subsidiary risk IATA 8
Subsidiary risk -

14.4 Packing group III

14.5 Environmental hazards

Environmental hazards Yes Marine pollutant Yes

ADR/RID

Hazard ID 80 Tunnel Category (E)

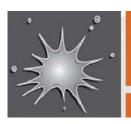
**IMDG** 

EmS Code F-A-S-B

**IATA** 

Packing Instruction (cargo) 864
Maximum quantity 100 Kg
Packing instruction (passenger) 860
Maximum quantity 25 Kg

14.6 Special precautions for user No data available



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### **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

H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H319	Causes serious eye irritation
H410	Very toxic to aquatic life with long lasting effects

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.