



## Section 1. Product and Company Identification.

**1.1 Model Number;** SOLFLUX v1  
**1.2 Description;** Solder Fluxing Fluid 500ml Bottle

**1.3 Manufacturer;**  
Sealey Group.  
Kempson Way,  
Bury St. Edmunds,  
Suffolk.  
IP32 7AR

**1.4 Emergency telephone number;** 44 (0) 1284 757 500 (Office Hours)

**Date of source compilation;** March 2013

## Section 2. Hazards Identification.

**2.1 Classification of the substance or mixture.**  
Not classified.

**2.2 Label elements.**

**Hazard pictogram(s)**



**Signal Word.**

Danger

**Hazard statements;**

H302 - Harmful if swallowed.  
H314 - Causes severe burns and eye damage.  
H410 - Very toxic to aquatic life with long lasting effects.

**Precautionary statements;**

P280 - Wear protective gloves and eye protection.  
P305 + P351 + P338  
Rinse cautiously with water for several minutes.  
Remove contact lenses if present and continue rinsing.  
P501 - Dispose of contents at an approved waste disposal site.

**2.3 Other hazards.**

No data available.



### Section 3. Substances.

3.1 Chemical Name (substance)	3.1 CAS No.	3.2 Concentration Weight	Classification	
			Hazard Class & Category Code	Hazard Statements <sup>1</sup>
Water	7732-18-5	80 - 90%	-	-
Hydrogen Bromide	10035-10-6	1 - 20%	Flam. Liq. 2 Skin Corr. 1B Eye Dam. 1 Muta. 1B Repr. 1A STOT SE 1 STOT RE 1	H225 H314 H318 H340 H360 H370 H372
B-Alanine	107-95-9	1 - 5%	Skin Irrit. 2 Eye Irrit. 2 STOT SE 3	H315 H319 H335

<sup>1</sup>For full text of Phrases and Statements, see Section 16.

### Section 4. First Aid Measures.

#### 4.1 Description of first aid measures

##### Inhalation

Move exposed person to fresh air.

##### Skin Contact

Wash off immediately with plenty of soap and water.  
Remove contaminated clothing.

##### Eye Contact

Rinse immediately with plenty of water for 15 minutes holding the eyelid open.

##### Ingestion

Rinse mouth thoroughly.  
Do not induce vomiting.

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

No data available.

#### 4.3. Indication of any immediate medical attention and special treatment needed

No data available.



## Section 5. Fire Fighting Measures.

### 5.1. Extinguishing media

Use extinguishing media that are appropriate to the surrounding environment.

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

No data available.

### 5.3. Advice for fire-fighters

Wear self-contained breathing apparatus for fire-fighting if necessary.

## Section 6. Accidental Release Measures.

### 6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.

Avoid breathing vapours and mist.

Ensure adequate ventilation.

Evacuate personnel to safe areas.

### 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

Absorb with inert, absorbent material.

Sweep up.

Transfer to suitable, labelled containers for disposal.

Clean spillage area thoroughly with plenty of water.

### 6.4. Reference to other sections

See Section 7 for information on Safe Handling

See Section 8 for information of Personal Protective Equipment.

See Section 13 for information on disposal.

## Section 7. Handling and Storage.

### 7.1. Precautions for safe handling

Avoid contact with eyes and skin.

Ensure adequate exhaust ventilation of the working area.

Adopt best manual handling considerations when handling, carrying and using.

### 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.

### 7.3. Specific end use(s)

Intended for use as the soldering flux for the Model Number identified in 1.1 with Description stated in 1.2.



## Section 8. Exposure Controls/Personal Protection.

### Appropriate Engineering Controls

Ensure adequate ventilation of the working area.

### Eye/Face Protection

In case of splashing, wear approved safety goggles.

### Skin Protection

Chemical resistant gloves (PVC)

### Respiratory Protection

No data available.

## Section 9. Physical and Chemical Properties.

### 9.1. Information on basic physical and chemical properties

**The following information is not a technical specification or sales specification.**

(a) Appearance:	Clear liquid.
(b) Odour:	Flux.
(c) Odour threshold;	No data available.
(d) pH:	No data available.
(e) Melting point/freezing point;	No data available.
(f) Initial boiling point and boiling range;	No data available.
(g) Flash point;	100°C
(h) Evaporation rate;	No data available.
(i) Flammability (solid, gas);	No data available.
(j) Upper/lower flammability or explosive limits;	No data available.
(k) Vapour pressure;	No data available.
(l) Vapour density;	No data available.
(m) Relative density;	No data available.
(n) Solubility (ies);	No data available.
(o) Partition coefficient: n-octanol/water;	No data available.
(p) Auto-ignition temperature;	No data available.
(q) Decomposition temperature;	No data available.
(r) Viscosity;	No data available.
(s) Explosive properties;	No data available.
(t) Oxidising properties.	No data available.

**9.2 Other information** No data available.



## Section 10. Stability and Reactivity.

10.1. Reactivity	No data available.
10.2. Chemical stability	This product is stable.
10.3. Possibility of hazardous reactions	No data available.
10.4. Conditions to avoid	No data available.
10.5. Incompatible materials	Oxidizing agents.
10.6. Hazardous decomposition products	No data available.

## Section 11. Toxicological Information.

11.1. Information on toxicological effects

**Inhalation;** May give off vapour which is irritating to the respiratory system.

**Ingestion;** May cause burns to the mouth, throat and stomach.

**Skin;** Corrosive to the skin.

**Eyes;** Corrosive to the eyes.

## Section 12. Ecological Information.

12.1. Toxicity	No data available.
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.

Disposal of in accordance with local authority regulations.



## Section 14. Transport Information.

### ADR. International Carriage of Dangerous Goods by Road.

<b>14.1.</b> UN number	UN 1840
<b>14.2.</b> UN Proper Shipping Name/Description	Zinc chloride solution
<b>14.3.</b> Class	8
<b>14.4.</b> Packing group	III
<b>14.5.</b> Environmental hazards	Very toxic to the aquatic life with long lasting effects.
<b>14.6.</b> Special precautions for user	Avoid release to the environment.

### IATA. International Air Transport Association.

<b>14.1.</b> UN number	UN 1840
<b>14.2.</b> UN Proper Shipping Name/Description	Zinc chloride solution
<b>14.3.</b> Class or Division	8
<b>14.4.</b> Packing group	III
<b>14.5.</b> Environmental hazards	Very toxic to the aquatic life with long lasting effects.
<b>14.6.</b> Special precautions for user	Avoid release to the environment.

### IMDG. International Maritime Dangerous Goods.

<b>14.1.</b> UN number	UN 1840
<b>14.2.</b> UN Proper Shipping Name/Description	Zinc chloride solution
<b>14.3.</b> Class or Division	8
<b>14.4.</b> Packing group	III
<b>14.5.</b> Environmental hazards	Very toxic to the aquatic life with long lasting effects.
<b>14.6.</b> Special precautions for user	Avoid release to the environment.
<b>14.7.</b> Transport in bulk – Maritime only.	Bulk transport is not applicable to this product



## Section 15. Regulatory Information.

**15.1.** Safety, health and environmental regulations/legislation specific for the substance or mixture  
No data available.

**15.2.** Chemical safety assessment  
No data available.

## Section 16. Additional Information.

Full text of Phrases and Statements used in Section 3;

H225: Highly flammable liquid and vapour.

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

H340: May cause genetic defects.

H360: May damage fertility or the unborn child.

H370: Causes damage to organs.

H372: Causes damage to organs through prolonged or repeated exposure.

The above information is believed to be accurate and represents the best information currently available.

No warranty is expressed or implied by the above information.

We assume no liability resulting from use of the above information.

The end user should conduct their own investigations to determine the suitability of the above information for their particular purpose.

Issue level	Date	Revisions
1	11/11/15	First issue.
2	28/07/16	Sections 2, 3, 8 & 14
3	17/09/19	Section 14

End of Safety Data Sheet.