



## Soldering Flux Fluid

Revision 1

Revision date 2015-07-21

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

#### 1.1. Product identifier

Product name	Soldering Flux Fluid
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#### 1.3. Details of the supplier of the safety data sheet

Company	Force Products Ltd
Address	Stock House, Seymour Road Nuneaton, Warwickshire CV11 4LB United Kingdom Sales@forceproducts.co.uk
Web	
Telephone	+44 (0) 2476 322130
Fax	+44 (0) 2476 322151
Email	sales@forceproducts.co.uk

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

2.1.1. Classification - 1999/45/EC	C; R34 Xn; R22 N; R50/53 Symbols: C: Corrosive. N: Dangerous for the environment.
Main hazards	Harmful if swallowed. Causes burns. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
2.1.2. Classification - EC 1272/2008	Acute Tox. 4: H302;

#### 2.2. Label elements

Hazard pictograms	
Signal Word	Warning
Hazard Statement	Acute Tox. 4: H302 - Harmful if swallowed.
Precautionary Statement: Prevention	P264 - Wash thoroughly after handling. P270 - Do not eat, drink or smoke when using this product.
Precautionary Statement: Response	P301+P312 - IF SWALLOWED: Call a POISON CENTER/doctor/ /if you feel unwell. P330 - Rinse mouth.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

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## 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.
Zinc chloride (Zinc chloride, fume)	030-003-00-2	7646-85-7	231-592-0		30 - 40%	C; R34 Xn; R22 N; R50/53	

### EC 1272/2008

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## SECTION 4: First aid measures

### 4.1. Description of first aid measures

Inhalation	Inhalation of vapour may cause shortness of breath. Move the exposed person to fresh air. Seek medical attention.
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.
Skin contact	Causes burns. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Ingestion	Ingestion causes burns to the respiratory tract. DO NOT INDUCE VOMITING. Seek medical attention.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

	Use extinguishing media appropriate to the surrounding fire conditions.
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### 5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes.
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### 5.3. Advice for firefighters

	Self-contained breathing apparatus.
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## SECTION 6: Accidental release measures

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

	Ensure adequate ventilation of the working area.
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### 6.2. Environmental precautions

	Do not allow product to enter drains. Do not let product contaminate subsoil.
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### 6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal.
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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area.
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### 7.2. Conditions for safe storage, including any incompatibilities

	Store in correctly labelled containers. Keep containers tightly closed. Keep in a cool, dry, well ventilated area.
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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

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## 8.1. Control parameters

### 8.1.1. Exposure Limit Values

Zinc chloride (Zinc chloride, fume)	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: 1
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: 2
	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	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Wear suitable protective equipment. Wash all contaminated clothing before reuse.
Eye / face protection	Wear:.. Approved safety goggles.
Skin protection - Handprotection	Wear:.. Chemical resistant gloves (PVC).

## SECTION 9: Physical and chemical properties

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

Appearance	Aqueous solution
Colour	Colourless
Odour	Slight

## SECTION 10: Stability and reactivity

### 10.2. Chemical stability

	Stable under normal conditions.
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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Skin corrosion/irritation	Corrosive. Causes burns.
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#### 11.1.4. Toxicological Information

	Harmful if swallowed. No data is available on this product.
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## SECTION 12: Ecological information

### 12.1. Toxicity

	Toxic to fish. Toxic to algae. May cause long-term adverse effects in the aquatic environment.
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## SECTION 13: Disposal considerations

### General information

	Dispose of in compliance with all local and national regulations.
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### Disposal methods

	For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.
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### Disposal of packaging

	Do NOT reuse empty containers. Empty containers can be sent for disposal or recycling.
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## SECTION 14: Transport information

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## Hazard pictograms



## 14.1. UN number

UN1840

## 14.2. UN proper shipping name

ZINC CHLORIDE SOLUTION

## 14.3. Transport hazard class(es)

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

## 14.4. Packing group

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
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## IATA

Packing Instruction (Cargo)	856
Maximum quantity	60 L
Packing Instruction (Passenger)	852
Maximum quantity	5 L

## SECTION 15: Regulatory information

## SECTION 16: Other information

## Other information

Revision	<p>This document differs from the previous version in the following areas:.</p> <ul style="list-style-type: none"> <li>2 - 2.1.2. Classification - EC 1272/2008.</li> <li>2 - Hazard pictograms.</li> <li>2 - Signal Word.</li> <li>2 - Precautionary Statement: Prevention.</li> <li>2 - Precautionary Statement: Response.</li> <li>2 - Precautionary Statement: Disposal.</li> <li>9 - 9.1. Information on basic physical and chemical properties (Appearance).</li> <li>9 - 9.1. Information on basic physical and chemical properties (Colour).</li> </ul>
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## Other information

<b>Text of risk phrases in Section 3</b>	9 - 9.1. Information on basic physical and chemical properties (Odour). 12 - 12.1. Toxicity.
	R22 - Harmful if swallowed. R34 - Causes burns. R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b>Text of Hazard Statements in Section 3</b>	Acute Tox. 4: H302 - Harmful if swallowed. Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.

## Further information

	The information supplied 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.
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