



SOLDER CONNECTION

EXPERTS IN SOLDER TECHNOLOGY

Bakers No. 3 Flux

Revision 1

Revision Date: 26/11/15

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

1.1 Product Identifier

Product Name Bakers No. 3 Flux

1.3. Details of the Supplier of the safety data sheet

Company	The Solder Connection
Address	Unit 5 Severn Link Distribution Centre Chepstow Monmouthshire NP16 6UN
Website	www.solderconnection.co.uk
Telephone	+44 (0) 1291 624400
Email	sales@solderconnection.co.uk

1.4 Emergency Telephone Number

Emergency Telephone Number +44 (0) 1291 624400
9.00am-5.00pm Monday - Friday

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; Skin Corr. 1B: H314; STOT SE 3: H335; Aquatic Chronic 1: H410;

2.2 Label Elements

Hazard Pictograms	
Signal Word	Danger
Hazard Statement	Acute Tox. 4: H302 – Harmful if swallowed. Skin. Corr. 1B: H314 – Causes severe skin burns and eye damage. STOT SE 3: H335 – May cause respiratory irritation. Aquatic Chronic 1: H410 – Very toxic to aquatic life with long lasting effects.

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2.2. Label Elements

Precautionary Statement: Prevention	<p>P260 – Do not breathe dust/fume/gas/mist/vapours/spray. P261 – Avoid breathing dust/fume/gas/mist/vapours/spray. P264 – Wash 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.</p>
Precautionary Statement: Response	<p>P301+P312 – IF SWALLOWED: Call a POISON CENTER/doctor/ /if you feel unwell. P301+P330+P331 – IF SWALLOWED: 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 person to fresh air and keep 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 so. Continue rinsing. P310 – Immediately call a POISON CENTER/doctor/. P312 – Call a POISON CENTER/doctor/ /if you feel unwell. P321 – Specific treatment (see on this label). P330 – Rinse mouth. P363 – Wash contaminated clothing before reuse. P391 – Collect spillage.</p>
Precautionary Statement: Storage	<p>P403+P233 - Store in a well-ventilated place. Keep container tightly closed. P405 - Store locked up.</p>
Precautionary Statement: Disposal	<p>P501 - Dispose of contents/container to</p>

Section 3: Composition/information on ingredients

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		20-30%	C; R34 Xn; R22 N; R50/53	
Ammonium chloride (Ammonium chloride, fume)	017-014-00-8	12125-02-9	235-186-4		1-10%	Xn; R22 Xi; R36	

EC 1272/2008

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		20-30%	Acute Tox. 4: H302; Skin Corr. 1B: H314; Aquatic Acute 1: 400; Aquatic Chronic 1: H410;	
Ammonium chloride (Ammonium chloride, fume)	017-014-00-8	12125-02-9	235-186-4		1-10%	Acute Tox. 4: H302; Eye Irrit. 2: H319;	

Section 4: First aid measures

4.1. Description of first aid measures

Solder Connection. Unit 5, Severn Link Distribution Centre. Chepstow Monmouthshire. NP16 6UN
Tel: +44 (0) 1291 624 400. Email: sales@solderconnection.co.uk. www.solderconnection.co.uk

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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. 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 may cause nausea and vomiting. DO NOT INDUCE VOMITING. If swallowed, seek medical advice immediately and show this container or label.

Section 5: Firefighting measures

5.1. Extinguishing media

Use as appropriate: Carbon dioxide (CO₂), Dry chemical, Foam.

5.2. Special hazards arising from the substance or mixture.

Corrosive. Burning produce irritating, toxic and obnoxious fumes.

5.3 Advice for firefighters

Wear suitable respiratory equipment when necessary.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures.

Ensure adequate ventilation of the working area. Evacuate personnel to a safe area. Wear suitable protective equipment.

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. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

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.

Section 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

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Ammonium chloride (Ammonium chloride, fume)	WEL 8-hr limit ppm: WEL 15 min limit ppm: WEL 8-hr limit mg/m3 total – Inhalable dust: WEL 8-hr limit mg/m3 total – Respirable dust:	WEL 8-hr limit mg/m3: 10 WEL 15 min limit mg/m3: 20 WEL 15 min limit mg/m3 total – Inhalable dust: WEL 15 min limit mg/m3 total – respirable dust:
Zinc chloride (Zinc chloride, fume)	WEL 8-hr limit ppm: – WEL 15 min limit ppm: – WEL 8-hr limit mg/m3 total – Inhalable dust: WEL 8-hr limit mg/m3 total – Respirable dust:	WEL 8-hr limit mg/m3: 1 WEL 15 min limit mg/m3: 2 WEL 15 min limit mg/m3 total – Inhalable 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 chemical protective clothing.
Eye/face protection	Approved safety goggles.
Skin protection – Hand protection	Chemical resistant gloves (PVC).
Respiratory protection	Wear: Self-contained breathing apparatus.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Clear
Odour	Characteristic
pH	<2
Melting point	0°C
Boiling point	100°C
Evaporation rate	0.36 g/min
Relative density	1.225 (Water = 1 @ 20 °C)
Solubility	Soluble in water

Section 10: Stability and reactivity

10.2. Chemical Stability

	Stable under normal conditions.
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Section 11: Toxicological information

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11.1. Information on toxicological effects

Skin corrosion/irritation	Causes burns.
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Section 12: Ecological information

12.1. Toxicity

	Toxic to aquatic organisms, 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 local and national regulations.
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Section 14: Transport information

Hazard Pictograms



14.1. UN number

	UN1760
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14.2. UN proper shipping name

	CORROSIVE LIQUID, N.O.S.
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14.3. Transport hazard class(es)

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

14.4. Packaging group

Packaging group	III
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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

Packaging Instruction (Cargo)	856
Maximum quantity	60L
Packing instruction (passenger)	852
Maximum quantity	5L

Section 15: Regulatory information

Section 16: Other information

Other information

Text of risk phases in section 3	<p>R22 – Harmful if swallowed.</p> <p>R34 – Causes burns.</p> <p>R36 – Irritating to eyes.</p> <p>R50/53 – Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</p>
Text of Hazard statements in section 3	<p>Acute Tox. 4: H302 – Harmful if swallowed.</p> <p>Skin Corr. 1B: H314 – Causes severe skin burns and eye damage.</p> <p>Aquatic Chronic 1: H410 – Very toxic to aquatic life with long lasting effects.</p> <p>Eye Irrit. 2: H319 – Causes serious eye irritation.</p>

Further information

	<p>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.</p>
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