



SOLDER CONNECTION

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Aluflux (150gm)

Revision 2
Revision Date 05/05/17

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

1.1 Product Identifier

Product Name: Aluflux (150gm)

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

2.1.2. Classification - EC 1272/2008

Highly flammable. Irritating to eyes. Vapours may cause drowsiness and dizziness.

Flam. Liq. 2: H225; Skin Sens. 1: H317; Eye Irrit. 2: H319; Resp. Sens. 1: H334; STOT SE 3: H335; STOT SE 3: H336;

2.2 Label Elements

Hazard Pictograms:



Risk Phrases:

Harmful if swallowed.
Causes burns.
Irritating to respiratory system.
Harmful: Danger of serious damage to health by prolonged exposure if swallowed.

Safety Phrases:

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

Contains

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
After contact with skin, wash immediately with plenty of water.
Wear suitable protective clothing, gloves and eye/face protection.
In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

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Section 3: Composition/information on ingredients

3.2. Mixtures

Chemical Name	Index No.	Cas No.	EC No.	REACH Registration Number	Conc. (%w/w)
Triethanolamine		102-71-6	203-049-8	01-2119486482-31-xxxx	40-60%
Ammonium Fluoroborate		132826-83-0	237-531-4		10-15%
Ethanolamine (2-Aminoethanol)	603-030-00-8	141-43-5	205-483-3	01-2119486455-28-XXXX	10-15%
2,2'-Iminodiethanol	603-071-00-1	111-42-2	203-868-0		10-15%
Zinc Oxide	030-013-00-7	1314-13-2	215-222-5	01-2119463881-32-XXXX	1-5%

Section 4: First-aid measures

4.1. Description of first aid measures

Inhalation	Harmful by inhalation. Inhalation may cause nausea and vomiting. May cause dizziness and headache. Move the exposed person to fresh air. Seek medical attention. Do not breathe gas/fumes/vapour/spray. Keep the affected person warm and at rest. If breathing is difficult give oxygen.
Eye Contact	May cause irritation to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation of symptoms persist.
Skin Contact	May cause irritation to skin. May cause dermatitis. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin.
Ingestion	Harmful if swallowed. Ingestion may cause nausea and vomiting. Ingestion is irritation to the respiratory tract and may cause damage to the central nervous system. DO NOT INDUCE VOMITING. If swallowed, seek medical advice immediately and show this container or label. If swallowed, rinse mouth with water (only if the person is conscious).

Section 5: Firefighting measures

5.1. Extinguishing media

	Use as appropriate: Carbon dioxide (CO2) , water spray, Dry chemical, Foam.
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5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes. Vapour may travel considerable distance to source of ignition and flash back.
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5.3. Advice for firefighters

	Wear suitable respiratory equipment when necessary.
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Further information

	Carbon oxides. Nitrogen oxides. Halogenated Compounds. Metal Oxide/Oxides.
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Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency

	Ensure adequate ventilation of the working area. Eliminate all sources of ignition. Wear suitable protection equipment.
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6.2. Environmental precautions

	Do not allow product to enter drains. Prevent further spillage if safe.
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6.3. Methods and material for containment and cleaning up

Absorb with inert, absorbent material. Transfer 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. Use explosion proof equipment. Keep away from sources of ignition – No smoking. Adopt best Manual Handling considerations when handling, carrying and dispensing.

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

Ethanolamine (2-Aminoethanol)

WEL 8-hr limit ppm: 1
Wel 15 min limit ppm: 3

Wel 8-hr limit mg/m3: 2.5
Wel 15 min limit mg/m3: 7.6

8.2. Exposure control

8.2.1. Appropriate engineering controls

Ensure adequate ventilation of the working area.

8.2.2 Individual protection measures

Wear chemical protection clothing.

Eye/face protection

Approved safety goggles.

Skin protection –
Hand protection

Chemical resistant gloves (PVC).

Respiratory protection

Self-contained breathing apparatus. Wear protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties.

Physical state	Liquid.
Colour	Blue/Clear.
Odour	Aromatic/Slight.
pH	12
Boiling point	100°C
Vapour density	>1 g/cm ³
Solubility	Soluble in water

Section 10: Stability and reactivity

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Oxidising agents.

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10.4. Conditions to avoid

Heat, sparks and open flames.

Section 11: Toxicological information

11.1. Information on toxicological effects

Harmful by inhalation and if swallowed. CAUSES SKIN BURNS. Corrosive to living tissue.

Section 12: Ecological information

12.1. Toxicity

2,2'-Iminodiethanol **Fish LC50/96h:** 100 mg/l

Ethanolamine **Fish LC50/96h:** 150 mg/l

Zinc Oxide **Fish LC50/96h:** 1.1 mg/l

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

Section 13: Disposal considerations

General information

Dispose of in compliance with all local and national regulations.

Section 14: Transport information

Hazard pictograms



14.1. UN number

UN3267

14.2. UN proper shipping name

CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S

14.3. Transport hazard class(es)

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

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ADR/RID

Environmental hazards Marine pollutant	80 (E)
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IMDG

EmS Code	F-A-S-B
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IATA

Packing 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 phrases in Section 3	<p>R20/21/22 – Harmful by inhalation, in contact with skin and if swallowed.</p> <p>R22 – Harmful if swallowed.</p> <p>R34 – Causes burns.</p> <p>R36/37/38 – Irritating to eyes, respiratory system and skin.</p> <p>R38 – Irritating to skin</p> <p>R41 – Risk of serious damage to eyes.</p> <p>R48/22 – Harmful: danger of serious damage to health by prolonged exposure if swallowed.</p> <p>R50/53 – Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</p>
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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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