

SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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Aluminium Brazing Flux

Revision 2

Revision date 2015-11-16

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

1.1. Product identifier

Product name	Aluminium Brazing Flux
Other means of identification	FO120050.
Product code	FO120050

1.2. Relevant identified uses of the substance or mixture and uses advised against

Product Use	[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC38] Welding and soldering products (with flux coatings or flux cores.), flux products;
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1.3. Details of the supplier of the safety data sheet

Company	Weldability Sif
Address	Peters House, The Orbital Centre, Icknield Way, Letchworth Garden City, Hertfordshire, SG6 1ET. UK.
Web	www.weldability-sif.com
Telephone	0870 330 7757
Fax	0800 970 7757
Email	service@weldability-sif.com
Email address of the competent person	msds@weldability-sif.com

1.4. Emergency telephone number

Emergency telephone number	0870 330 7757
Company	Weldability Sif 8.30 - 5.30 Mon - Fri

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture


2.1.1. Classification - 1999/45/EC	Xn; R22-48/20/22 Xi; R37/38 R52/53 Symbols: Xn: Harmful.
Main hazards	Harmful if swallowed. Irritating to respiratory system and skin. Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed. Harmful 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

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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

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Lithium chloride		7447-41-8	231-212-3			Xn; R22 Xi; R37/38	
Trisodium hexafluoroaluminate	009-016-00-2	13775-53-6	237-410-6			T; R48/23/25 Xn; R20/22 N; R51/53	
Sodium fluoride	009-004-00-7	7681-49-4	231-667-8			T; R25 Xi; R36/38 R32	

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Sodium fluoride	009-004-00-7	7681-49-4	231-667-8			Acute Tox. 3: H301; Eye Irrit. 2: H319; Skin Irrit. 2: H315;	

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air. If breathing is difficult give oxygen. Seek medical attention if irritation or symptoms persist.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open.
Skin contact	No irritation expected. Wash off immediately with plenty of soap and water.
Ingestion	DO NOT INDUCE VOMITING. DO NOT DRINK. Seek medical attention.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Carbon dioxide (CO2). Extinguishing media. Water spray.

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

Not normally required.

6.2. Environmental precautions

Advise local authorities if large spills cannot be contained. Do not allow product to enter drains.

6.3. Methods and material for containment and cleaning up

Dispose of in compliance with all local regulations. Refer to disposal considerations in Section 13.
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6.3. Methods and material for containment and cleaning up

	Avoid formation of dust.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

	Handle and open container with care. Ensure adequate ventilation of the working area. Keep container tightly closed and dry.
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7.2. Conditions for safe storage, including any incompatibilities

	Advised preservation period under normal conditions is 6 months.
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SECTION 8: Exposure controls/personal protection

8.2. Exposure controls



8.2.1. Appropriate engineering controls

	Keep away from foodstuffs, beverages and feed.
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8.2.2. Individual protection measures

	Remove contaminated clothing.
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Eye / face protection

	Avoid contact with eyes. Wear eye/face protection.
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Skin protection - Handprotection

	Wear suitable gloves. Wash hands after handling the product.
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Respiratory protection

	Appropriate respiratory protection. In case of insufficient ventilation, wear suitable respiratory equipment.
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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Solid/Powder
Colour	White
Odour	Odourless
Melting point	540 - 660
Solubility	Slightly soluble in water

SECTION 10: Stability and reactivity

10.2. Chemical stability

	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

	No Significant Hazard.
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10.6. Hazardous decomposition products

	None.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Skin corrosion/irritation

	May cause irritation to skin.
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Serious eye damage/irritation

	May cause irritation to eyes.
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Respiratory or skin sensitisation

	No sensitization effects reported.
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SECTION 12: Ecological information

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Further information

	Toxic to aquatic organisms. Water endangering. Do not allow product to enter drains. Do not flush into surface water.
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SECTION 13: Disposal considerations

Disposal methods

	This material and its container must be disposed of in a safe way. Local and national regulations. Do not mix with household rubbish.
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SECTION 14: Transport information

14.1. UN number

	The product is not classified as dangerous for carriage.
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14.2. UN proper shipping name

	The product is not classified as dangerous for carriage.
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14.3. Transport hazard class(es)

	The product is not classified as dangerous for carriage.
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14.4. Packing group

	The product is not classified as dangerous for carriage.
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14.5. Environmental hazards

	The product is not classified as dangerous for carriage.
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14.6. Special precautions for user

	The product is not classified as dangerous for carriage.
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14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

	The product is not classified as dangerous for carriage.
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SECTION 15: Regulatory information

SECTION 16: Other information

Other information

Revision	This document differs from the previous version in the following areas: 2 - 2.1.2. Classification - EC 1272/2008. 2 - Hazard pictograms. 2 - Signal Word. 2 - Precautionary Statement: Prevention. 2 - Precautionary Statement: Response. 2 - Precautionary Statement: Disposal. 12 - 12.1. Toxicity.
Text of risk phrases in Section 3	R20/22 - Harmful by inhalation and if swallowed. R22 - Harmful if swallowed. R25 - Toxic if swallowed. R32 - Contact with acids liberates very toxic gas. R36/38 - Irritating to eyes and skin. R37/38 - Irritating to respiratory system and skin. R48/23/25 - Toxic: danger of serious damage to health by prolonged exposure through inhalation and if swallowed. R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Text of Hazard Statements in Section 3	EUH032 - Contact with acids liberates very toxic gas. Acute Tox. 3: H301- Toxic if swallowed.

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Other information

	Skin Irrit. 2: H315 - Causes skin irritation. Eye Irrit. 2: H319 - Causes serious eye irritation.
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General information

	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. The information supplied in this safety data sheet is designed only as guidance for safe use, storage and handling of the product. This information relates only to the specific goods listed and may not be valid for such material used in combination with any other product(s).
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