

## SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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### Sif Magnesium No 23

Revision 1

Revision date 2015-11-16

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

##### 1.1. Product identifier

Product name	Sif Magnesium No 23
Product code	RO2332[01/12]

##### 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; [SU15] Manufacture of fabricated metal products, except machinery and equipment; [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	F; R15-17 R52/53 Symbols: F: Highly flammable.
Main hazards	Contact with water liberates extremely flammable gases. Spontaneously flammable in air. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
2.1.2. Classification - EC 1272/2008	Pyr. Sol. 1: H250; Water-react. 1: H260;

##### 2.2. Label elements

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## 2.2. Label elements

Hazard pictograms	
Signal Word	Danger
Hazard Statement	Pyr. Sol. 1: H250 - Catches fire spontaneously if exposed to air. Water-react. 1: H260 - In contact with water releases flammable gases which may ignite spontaneously.
Precautionary Statement: Prevention	P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P222 - Do not allow contact with air. P223 - Do not allow contact with water. P231+P232 - Handle under inert gas. Protect from moisture. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P335+P334 - Brush off loose particles from skin. Immerse in cool water/wrap in wet bandages. P370+P378 - In case of fire: Use to extinguish.
Precautionary Statement: Storage	P402+P404 - Store in a dry place. Store in a closed container. P422 - Store contents under
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.
Magnesium powder (pyrophoric)	012-001-00-3	7439-95-4	231-104-6			F; R15-17	
aluminium powder (stabilised). . (Aluminium metal)	013-002-00-1	7429-90-5	231-072-3			F; R11-15	
Zinc powder - zinc dust	030-002-00-7	7440-66-6	231-175-3			N; R50/53	
Silicon		7440-21-3	231-130-8				

## EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
aluminium powder (stabilised). . (Aluminium metal)	013-002-00-1	7429-90-5	231-072-3			Water-react. 2: H261; Flam. Sol. 1: H228;	

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air. Seek medical attention if irritation or symptoms persist.
Eye contact	Avoid contact with eyes. Seek medical attention.
Skin contact	Wash off immediately with plenty of soap and water.
Ingestion	If swallowed, seek medical advice immediately and show this container or label.

## SECTION 5: Firefighting measures

## 5.1. Extinguishing media

	Extinguishing media. Carbon dioxide (CO2). Dry chemical. For large fires: Alcohol resistant foam. Water jet.
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## 5.3. Advice for firefighters

	Self-contained breathing apparatus. Wear suitable respiratory equipment when necessary.
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**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Avoid formation of dust. Ensure adequate ventilation of the working area.

**6.3. Methods and material for containment and cleaning up**

Sweep up. No specific clean up requirements. Refer to disposal considerations in Section 13.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

Wear suitable gloves.

**7.2. Conditions for safe storage, including any incompatibilities**

Keep container tightly closed and dry.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****8.1.1. Exposure Limit Values**

aluminium powder (stabilised). . (Aluminium metal)	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: -
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: -
	WEL 8-hr limit mg/m3 total 10 inhalable dust:	WEL 15 min limit mg/m3 total - inhalable dust:
	WEL 8-hr limit mg/m3 total 4 respirable dust:	WEL 15 min limit mg/m3 total - respirable dust:
Silicon	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: -
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: -
	WEL 8-hr limit mg/m3 total 10 inhalable dust:	WEL 15 min limit mg/m3 total - inhalable dust:
	WEL 8-hr limit mg/m3 total 4 respirable dust:	WEL 15 min limit mg/m3 total - respirable dust:

**8.2. Exposure controls****8.2.1. Appropriate engineering controls**

Keep away from foodstuffs, beverages and feed.

**8.2.2. Individual protection measures**

Use appropriate personal protective equipment.

**Eye / face protection**

Wear suitable protective clothing and eye/face protection.

**Skin protection -****Handprotection**

Wear suitable gloves.

**Respiratory protection**

In case of insufficient ventilation, wear suitable respiratory equipment.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Appearance	Solid
Colour	Brown
Odour	Characteristic
Melting point	610 °C

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## 10.2. Chemical stability

Stable under normal conditions.

## 10.6. Hazardous decomposition products

None.

**SECTION 11: Toxicological information**

## 11.1. Information on toxicological effects

## Skin corrosion/irritation

May cause irritation to skin in susceptible persons.

## Respiratory or skin sensitisation

May cause sensitisation by inhalation. Inhalation may cause nausea and vomiting. May cause drowsiness or dizziness.

**SECTION 12: Ecological information**

## Further information

Avoid release to the environment. Refer to special instructions/Safety data sheets.

**SECTION 13: Disposal considerations**

## General information

This material and its container must be disposed of in a safe way.

## Disposal methods

Dispose of in compliance with all. local and national regulations.

**SECTION 14: Transport information**

## 14.1. UN number

The product is not classified as dangerous for carriage.

## 14.2. UN proper shipping name

The product is not classified as dangerous for carriage.

## 14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

## 14.4. Packing group

The product is not classified as dangerous for carriage.

## 14.5. Environmental hazards

The product is not classified as dangerous for carriage.

## 14.6. Special precautions for user

The product is not classified as dangerous for carriage.

## 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.

**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 - Signal Word.

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## Other information

	<p>2 - Precautionary Statement: Prevention.  2 - Precautionary Statement: Response.  2 - Precautionary Statement: Storage.  2 - Precautionary Statement: Disposal.  9 - 9.1. Information on basic physical and chemical properties (Melting point).</p>
Text of risk phrases in Section 3	<p>R11 - Highly flammable.  R15 - Contact with water liberates extremely flammable gases.  R17 - Spontaneously flammable in air.  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>Flam. Sol. 1: H228 - Flammable solid.  Water-react. 2: H261 - In contact with water releases flammable gases.</p>

## General information

	<p>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). 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.</p>
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