

## SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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### Sifchrome 225

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	Sifchrome 225
Product code	RC22[25/32/40]50V

##### 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	Xn; R48/20/22 Symbols: Xn: Harmful.
Main hazards	Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.
2.1.2. Classification - EC 1272/2008	STOT RE 2: H373;

##### 2.2. Label elements

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## 2.2. Label elements

Hazard pictograms	
Signal Word	Warning
Hazard Statement	STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure .
Precautionary Statement: Prevention	P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
Precautionary Statement: Response	P314 - Get medical advice/attention if you feel unwell.
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.
Limestone (Calcium carbonate)		1317-65-3	215-279-6				
Titanium Dioxide		13463-67-7	236-675-5				
Aluminium Oxide (Aluminium oxides)		1344-28-1	215-691-6				
Silicic acid, calcium salt (Calcium silicate)		1344-95-2	215-710-8				
Chromium		7440-47-3	231-157-5				
Silicon		7440-21-3	231-130-8				
Cryolite	009-016-00-2	15096-52-3	239-148-8			T; R48/23/25 Xn; R20/22 N; R51/53	
Magnesium Oxide (Magnesium oxide (as Mg))		1309-48-4	215-171-9				

## EC 1272/2008

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Chromium		7440-47-3	231-157-5				
Silicon		7440-21-3	231-130-8				
Cryolite	009-016-00-2	15096-52-3	239-148-8			STOT RE 1: H372; Acute Tox. 4: H332; Acute Tox. 4: H302; Aquatic Chronic 2: H411;	
Magnesium Oxide (Magnesium oxide (as Mg))		1309-48-4	215-171-9				

## 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.

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## 4.1. Description of first aid measures

Ingestion	If swallowed, seek medical advice immediately and show this container or label.
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## 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.
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### 6.3. Methods and material for containment and cleaning up

	Sweep up. No specific clean up requirements. Refer to disposal considerations in Section 13.
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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

	Wear suitable gloves.
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### 7.2. Conditions for safe storage, including any incompatibilities

	Keep container tightly closed and dry.
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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1. Exposure Limit Values

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## 8.1.1. Exposure Limit Values


Aluminium Oxide (Aluminium oxides)	WEL 8-hr limit ppm: - WEL 15 min limit ppm: - WEL 8-hr limit mg/m3 total inhalable dust: 10 WEL 8-hr limit mg/m3 total respirable dust: 4	WEL 8-hr limit mg/m3: - WEL 15 min limit mg/m3: - WEL 15 min limit mg/m3 total inhalable dust: - WEL 15 min limit mg/m3 total respirable dust: -
Chromium	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: 0.5 WEL 15 min limit mg/m3: - WEL 15 min limit mg/m3 total inhalable dust: - WEL 15 min limit mg/m3 total respirable dust: -
Limestone	WEL 8-hr limit ppm: - WEL 15 min limit ppm: - WEL 8-hr limit mg/m3 total inhalable dust: 10 WEL 8-hr limit mg/m3 total respirable dust: 4	WEL 8-hr limit mg/m3: - WEL 15 min limit mg/m3: - WEL 15 min limit mg/m3 total inhalable dust: - WEL 15 min limit mg/m3 total respirable dust: -
Limestone (Calcium carbonate)	WEL 8-hr limit ppm: - WEL 15 min limit ppm: - WEL 8-hr limit mg/m3 total inhalable dust: 10 WEL 8-hr limit mg/m3 total respirable dust: 4	WEL 8-hr limit mg/m3: - WEL 15 min limit mg/m3: - WEL 15 min limit mg/m3 total inhalable dust: - WEL 15 min limit mg/m3 total respirable dust: -
Limestone (Marble)	WEL 8-hr limit ppm: - WEL 15 min limit ppm: - WEL 8-hr limit mg/m3 total inhalable dust: 10 WEL 8-hr limit mg/m3 total respirable dust: 4	WEL 8-hr limit mg/m3: - WEL 15 min limit mg/m3: - WEL 15 min limit mg/m3 total inhalable dust: - WEL 15 min limit mg/m3 total respirable dust: -
Magnesium Oxide (Magnesium oxide (as Mg))	WEL 8-hr limit ppm: - WEL 15 min limit ppm: - WEL 8-hr limit mg/m3 total inhalable dust: 10 WEL 8-hr limit mg/m3 total respirable dust: -	WEL 8-hr limit mg/m3: - WEL 15 min limit mg/m3: - WEL 15 min limit mg/m3 total inhalable dust: - WEL 15 min limit mg/m3 total respirable dust: -
Silicic acid, calcium salt (Calcium silicate)	WEL 8-hr limit ppm: - WEL 15 min limit ppm: - WEL 8-hr limit mg/m3 total inhalable dust: 10 WEL 8-hr limit mg/m3 total respirable dust: 4	WEL 8-hr limit mg/m3: - WEL 15 min limit mg/m3: - WEL 15 min limit mg/m3 total inhalable dust: - WEL 15 min limit mg/m3 total respirable dust: -
Silicon	WEL 8-hr limit ppm: - WEL 15 min limit ppm: - WEL 8-hr limit mg/m3 total inhalable dust: 10 WEL 8-hr limit mg/m3 total respirable dust: 4	WEL 8-hr limit mg/m3: - WEL 15 min limit mg/m3: - WEL 15 min limit mg/m3 total inhalable dust: - WEL 15 min limit mg/m3 total respirable dust: -
Titanium Dioxide	WEL 8-hr limit ppm: - WEL 15 min limit ppm: - WEL 8-hr limit mg/m3 total inhalable dust: 10 WEL 8-hr limit mg/m3 total respirable dust: 4	WEL 8-hr limit mg/m3: - WEL 15 min limit mg/m3: - WEL 15 min limit mg/m3 total inhalable dust: - WEL 15 min limit mg/m3 total respirable dust: -

## 8.2. Exposure controls

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## 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

## SECTION 10: Stability and reactivity

## 10.2. Chemical stability

	Stable under normal conditions.
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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 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.
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## SECTION 13: Disposal considerations

## General information

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

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

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## 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. 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. 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	Acute Tox. 4: H302 - Harmful if swallowed. Acute Tox. 4: H332 - Harmful if inhaled. STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure . Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.

## General information

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.