

SAFETY DATA SHEET

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830

SIFCHROME 308L Stainless Steel Electrodes

1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Name SifChrome 308L Stainless Electrodes
Product code RC308[25/32/40][01/04]
CAS No. Not applicable.
EC No. Not applicable.
REACH Registration No. Not known.

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

Identified Use(s) 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
Uses Advised Against None known.

1.3 Details of the supplier of the safety data sheet

Supplier Weldability Sif
Company Identification Peters House,
Address of Supplier Orbital Centre,
Icknield Way,
Letchworth Garden City,
Hertfordshire, UK.
Postal code SG6 1ET
Telephone: +44 (0) 870 330 7757
Fax +44 (0) 800 970 7757
E-mail service@weldability-sif.com
Office hours 8:30 – 5:30 weekdays

1.4 Emergency telephone number

National response centre
Address National Poisons Information Service (Birmingham Centre)
City Hospital
Dudley Road,
Birmingham,
United Kingdom
Emergency Phone No. +00 448 706 006 266 NHS Direct - 0845 4647 or 111

2. SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008 (CLP) Carc. 2 :Suspected of causing cancer.
Skin Sens. 1 :May cause an allergic skin reaction.

2.2 Label elements

Product Name According to Regulation (EC) No. 1272/2008 (CLP)
SifChrome 308L Stainless Electrodes

Hazard Pictogram(s)



GHS08
Warning



GHS07

Signal Word(s)

Hazard Statement(s)

H317: May cause an allergic skin reaction.
H351: Suspected of causing cancer.

Precautionary Statement(s)

2.3 Other hazards

Welding fumes: Carcinogenic to humans. Dust : May cause sensitization by skin contact.

2.4 Additional Information

For full text of H/P Statements see section 16.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Product as supplied: Welding rod

3.1 Substances

Not applicable.

3.2 Mixtures

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / REACH Registration No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Chromium	7440-47-3	231-157-5	15 - 30	Not classified	None
Nickel	7440-02-0	231-111-4	5 - 20	Skin Sens. 1 H317 Carc. 2 H351 STOT RE 1 H372	GHS08 GHS07
Quartz (SiO ₂)	14808-60-7	238-878-4	< 5	STOT RE 1 H372	GHS08
Disodium oxide	1313-59-3	215-208-9	< 1	Not classified.	None
Dipotassium oxide	12136-45-7	235-227-6	< 1	Not classified	None
Sodium fluoride	7681-49-4	231-667-8	<1	Acute Tox. 3 H301 Skin Irrit. 2 H315 Eye Irrit. 2 H319	GHS06
Alkali fluorosilicates(K)	16871-90-2	240-896-2	<1	Acute Tox. 3 H301 Acute Tox. 3 H311 Acute Tox. 3 H331	GHS06

4. SECTION 4: FIRST AID MEASURES**4.1 Description of first aid measures**

Inhalation Treat symptomatically. Get medical advice/attention if you feel unwell.
 Skin Contact Take off immediately all contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see Medical Advice on this label).
 Eye Contact Treat symptomatically.
 Ingestion Treat symptomatically.

4.2 Most important symptoms and effects, both acute and delayed

Dust : May cause sensitization by skin contact.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. SECTION 5: FIREFIGHTING MEASURES**5.1 Extinguishing media**

Suitable Extinguishing media In case of fire use carbon dioxide or dry agent. In case of major fire and large quantities: Water jet spray, Foam.

Unsuitable extinguishing media None known.

5.2 Special hazards arising from the substance or mixture

May decompose in a fire, giving off toxic and irritant vapours.

5.3 Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation. Avoid dust generation. Do not breathe dust. Wear protective gloves. Wear suitable filtering respiratory protection equipment

6.2 Environmental precautions

Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

6.3 Methods and material for containment and cleaning up

Sweep up spilled substance and remove to safe place. Use vacuum equipment for collecting spilt materials, where practicable. Use vacuum to remove dust directly during formation.

6.4 Reference to other sections

See Also Section 8, 13.

7. SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Provide adequate ventilation. Avoid accumulation of dust. Wear gloves, eye protection and an approved dust mask if dust is generated during handling.

7.2 Conditions for safe storage, including any incompatibilities

Store locked up.

Storage temperature

Ambient.

Storage life

Stable under normal conditions.

Incompatible materials

None anticipated.

7.3 Specific end use(s)

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

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

Occupational Exposure Limits						
SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
Chromium	7440-47-3		0.5			
Chromium Metal, Inorganic Chromium (II) Compounds and Inorganic Chromium (III) Compounds (insoluble)	7440-47-3	0	2	0	0	IOELV
Nickel and its inorganic compounds (except nickel tetracarbonyl): water-insoluble nickel compounds (as Ni)	7440-02-0		0.5			(h)
Silica, respirable crystalline	14808-60-7		0.1			
Crystalline Silica Dust	14808-60-7	0	0.1	0	0	CM, (7)
Fluoride (inorganic as F)	7681-49-4		2.5			
Fluorides, inorganic	7681-49-4	0	2.5	0	0	IOELV
Fluoride (inorganic as F)	16871-90-2		2.5			
Fluorides, inorganic	16871-90-2	0	2.5	0	0	IOELV

Region Source
 EU EU Occupational Exposure Limits
 United Kingdom UK Workplace Exposure Limits EH40/2005 (Third edition, published 2018)

Remark Notes
 IOELV IOELV: Indicative Occupational Exposure Limit Value
 (h) Sk, Carc (nickel oxides and sulphides) Sen (nickel sulphate)
 CM Carcinogens or Mutagens Occupational Exposure Limit Values.
 (7) Respirable fraction.

8.2 Exposure controls

8.2.1. Appropriate engineering controls Use with ventilation, local exhaust ventilation or breathing protection. A washing facility/water for eye and skin cleaning purposes should be present.

8.2.2. Personal protection equipment



Eye Protection

Wear suitable welding mask/goggles during use.



Skin protection

Dust, Welding fumes: Wear suitable protective clothing, gloves and eye/face protection. Contaminated clothing should be laundered before reuse.



Respiratory protection

Ensure adequate ventilation. Wear suitable filtering respiratory protection equipment



Thermal hazards

Burn hazard/ radiated heat UV/IR : Wear insulating gloves EN407 (heat). Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

8.2.3. Environmental Exposure Controls Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

Appearance	Solid.
	Colour : Grey
Odour	Odourless
Odour threshold	Not established.
pH	Not known.
Melting point/freezing point	Not determined
Initial boiling point and boiling range	Not applicable.
Flash Point	Not applicable.
Evaporation rate	Not known.
Flammability (solid, gas)	Non-flammable.
Upper/lower flammability or explosive limits	Not available.
Vapour pressure	Not known.
Vapour density	Not known.
Density (g/ml)	Not available.
Relative density	Not available.
Solubility(ies)	Solubility (Water) : Insoluble. Solubility (Other) : Insoluble.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not known.
Decomposition Temperature (°C)	Not available.
Viscosity	Not known.
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.

9.2 Other information

None.

10. SECTION 10: STABILITY AND REACTIVITY**10.1 Reactivity**

Stable under normal conditions.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Reacts with: Acids. Alkalis. Oxidising substances.

10.4 Conditions to avoid

Keep away from heat

10.5 Incompatible materials

Acids, Alkalis, Oxidising substances.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

11. SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects**

Acute toxicity - Ingestion	Not classified.
Acute toxicity - Skin Contact	Not classified.
Acute toxicity - Inhalation	Not classified.
Skin corrosion/irritation	Not classified. Dust may cause irritation.
Serious eye damage/irritation	Not classified. Welding fumes: May result in discomfort such as dizziness, nausea, or dryness of irritation of nose, throat or eyes. Dust may cause irritation.
Skin sensitization data	Self classification: May cause an allergic skin reaction.
Respiratory sensitization data	Not classified.
Germ cell mutagenicity	Not classified.
Carcinogenicity	Self classification: Suspected of causing cancer.
Reproductive toxicity	Not classified.
Lactation	Not classified.
STOT - single exposure	Not classified. Welding fumes: May result in discomfort such as dizziness, nausea, or dryness of irritation of nose, throat or eyes. Dust may cause irritation.
STOT - repeated exposure	Not classified.
Aspiration hazard	Not classified.

11.2 Other information

Not known.

Hazard classification	Acute Tox. 3 : Acute toxicity, Category 3 Carc. 2 : Carcinogenicity, Category 2 Eye Irrit. 2 : Serious eye damage/irritation, Category 2 STOT RE 1 : Specific target organ toxicity — repeated exposure, Category 1 Skin Irrit. 2 : Skin corrosion/irritation, Category 2 Skin Sens. 1 : Skin sensitization, Category 1
Hazard Statement(s)	H301: Toxic if swallowed. H311: Toxic in contact with skin. H315: Causes skin irritation. H317: May cause an allergic skin reaction. H319: Causes serious eye irritation. H331: Toxic if inhaled. H351: Suspected of causing cancer. H372: Causes damage to organs through prolonged or repeated exposure.
Precautionary Statement(s)	P201: Obtain special instructions before use. P202: Do not handle until all safety precautions have been read and understood. P261: Avoid breathing dust/fume/gas/mist/vapours/spray. P272: Contaminated work clothing should not be allowed out of the workplace. P280: Wear protective gloves/protective clothing/eye protection/face protection. P302+P352: IF ON SKIN: Wash with plenty of water. P308+P313: IF exposed or concerned: Get medical advice/attention. P321: Specific treatment (see Medical Advice on this label). P333+P313: If skin irritation or rash occurs: Get medical advice/attention. P362+P364: Take off contaminated clothing and wash it before reuse. P405: Store locked up. P501: Dispose of contents in accordance with local, state or national legislation.
Acronyms	CAS : Chemical Abstracts Service CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures DNEL : Derived No Effect Level EC : European Community EINECS : European Inventory of Existing Commercial Chemical Substances LTEL : Long term exposure limit PBT : Persistent, Bioaccumulative and Toxic PNEC : Predicted No Effect Concentration REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals STEL : Short term exposure limit STOT : Specific Target Organ Toxicity vPvB : very Persistent and very Bioaccumulative
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