

SAFETY DATA SHEET

1 Identification of the substance or preparation and of the company/undertaking

1.1 Product identifier

Product Name: FC BRONZE 261
Datasheet Number: 233569 1. 0. 0
Product Part Number: 233551(3.0 x 500 mm), 233569 (5.0 x 500 mm)
Head Office:: Wilhelmsen Ships Service AS
Address: Strandveien 20, N1324 Lysaker, Norway, Tel:+47 67 584550

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

Welding rod

1.3 Details of the supplier of the safety data sheet

Name of Supplier: For quotations contact your local Customer Services
Address of Supplier: Wilhelmsen Ships Service AS
Willem Barentszstraat 50
3165AB Rotterdam
The Netherlands
Telephone: +31 10 4877 777
Fax: +31 10 4877 888
Responsible Person: , Product HSE Manager, Tel.: +31 10 4877775
Email: WSS.GLOBAL.SDSINFO@wilhelmsen.com

1.4 Emergency telephone number

-ONLY TO BE USED IN CASE OF AN INCIDENT-
NCEC: +44 1865 407333, CHEMTREC (800) 424 9300
American Chemistry Council +1 703 527 3887,
Greece +30 210 7793777
Australia: +61 3 9630 0998
Giftinformasjonssentralen in Norway Tel.: +47 22591300

2 Hazards identification

2.1 Classification of the substance or mixture

- Not Classified

2.2 Label elements

- None

Risk Phrases

- Not applicable

Safety Phrases

- Not applicable

2.3 Other hazards

- Odour: Odourless
- Appearance: Welding electrode, yellow, insoluble in water
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2 Hazards identification (....)

Contact with eyes: Looking into the welding / brazing flame with incorrect or insufficient eye protection may cause arc-eye.

- Contact with skin: Possible irritation of affected areas
- Inhalation: Inhalation of fumes formed during welding and or cutting may be harmful.

3 Composition/information on ingredients

3.1 Mixtures

Chemical Name	Concentration	CAS Number	EC Number	R/H Phrases*	Symbols
Copper	50-100%	7440-50-8	231-159-6		
zinc powder -zinc dust (pyrophoric)	25-50%	7440-66-6	231-175-3	R15, 17 R50/53	F, N
CLP Classification: Pyr. Sol. 1, Water-React. 1 Aquatic Acute 1, Aquatic Chronic 1				H250, H260 H400, H410	
Boric acid Repr. Cat. 2	<5%	10043-35-3	233-139-2	R60, 61	T
CLP Classification: Repr. 1B (SVHC)				H360	
alkali fluorosilicates (K)	<2.5%	16871-90-2	240-896-2	R23/24/25	T
CLP Classification: Acute Tox. 3				H301, H311 H331	

*See Section 16

4 First aid measures

4.1 Description of first aid measures

- In case of burns immediately cool affected skin as long as possible with cold water
- Burns should be covered with a clean, dry non-fluffy material
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- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

4.2 Most important symptoms and effects, both acute and delayed

- Inhalation of fumes formed during welding and or cutting may be harmful.

4.3 Indication of immediate medical attention and special treatment needed

None

5 Fire-fighting measures

5.1 Extinguishing media

- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions

5 Fire-fighting measures (....)

5.2 Special hazards arising from the substance or mixture

- Smoke from fires is irritating

5.3 Advice for firefighters

- Wear Positive-Pressure Breathing Apparatus
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6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- No special precautions are required for this product

6.2 Environmental Precautions

- No special precautions are required for this product

6.3 Methods and material for containment and cleaning up

- Remove by mechanical means

6.4 Reference to other sections

- None
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7 Handling and storage

7.1 Precautions for safe handling

- Ensure adequate ventilation
- Wear protective gloves/protective clothing/eye protection/face protection.

7.2 Conditions for safe storage, including any incompatibilities

- Keep in a cool, dry place
- Protect from moist air

7.3 Specific end use(s)

8 Exposure controls/personal protection

8.1 Control parameters

- TLV (TWA) 5 mg/m³ (Welding fumes)

8.2 Exposure controls

- If practicable, engineering controls should be provided where airborne concentrations exceed exposure limits

Occupational exposure controls

- Wear suitable protective clothing, including eye/face protection and gloves (leather are recommended)
- In case of insufficient ventilation, wear suitable respiratory equipment (S38)
- No respiratory protection is needed if ventilation/extraction is adequate, otherwise wear approved dust mask
- Wear suitable filter lenses when welding / cutting.

8 Exposure controls/personal protection (....)



Gloves



Suit



Visor

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Odour: Odourless
- Appearance: Welding electrode, yellow, insoluble in water
- pH - not applicable
- Boiling point - not applicable
- Vapour pressure - not applicable
- Vapour density - not applicable
- Melting point 870 - 890 °C °C at 760 mm /Hg
- Insoluble in water
- Density ± 8.4 g/cm³

9.2 Other information

- None
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10 Stability and reactivity

10.1 Reactivity

- This article is considered stable under normal conditions

10.2 Chemical stability

- This article is considered stable under normal conditions

10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

10.4 Conditions to avoid

- No special precautions are required for this product

10.5 Incompatible materials

- None

10.6 Hazardous Decomposition Products

- No hazardous decomposition products known
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11 Toxicological information

11.1 Information on toxicological effects

- Not applicable

Inhalation

- Inhalation of fumes formed during welding and or cutting may be harmful.
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11 Toxicological information (....)

Contact with skin

- See Section 3

Contact with eyes

- See Section 3

Ingestion

- Not applicable

Carcinogenicity

- No information available
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12 Ecological information

12.1 Toxicity

- On available data, substance is not harmful to aquatic life

12.2 Persistence and degradability

- No information available

12.3 Bioaccumulation Potential

- Bioaccumulation of the components in this product is insignificant.

12.4 Mobility in soil

- Sinks in water

12.5 Results of PBT and vPvB assessment

12.6 Other Adverse Effects

- No environmental problems are expected when the product is used / handled correctly. In its intended use, the product will not be released into the environment.
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13 Disposal considerations

13.1 Waste treatment methods

- Do not discharge into drains or the environment, dispose to an authorised waste collection point
- Disposal should be in accordance with local, state or national legislation

Classification

- EU Waste class: -
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14 Transport information

14.1 UN Number

- n/a

14.2 UN Proper Shipping Name

- n/a

14.3 Transport hazard class(es)

- n/a
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14 Transport information (....)

14.4 Packing group

- n/a

14.5 Environmental hazards

- On available data, substance is not harmful to the environment

14.6 Special precautions for user

- Not classified as hazardous for transport

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

- Not applicable

Other information

15 Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- This Safety Data Sheet has been prepared in accordance with article 31 and annex II in REACH and Directive 453/2010/EU.
- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.
- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations
- This Safety Data Sheet is provided in compliance with The Dangerous Substances Directive (67/548/EEC)
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- ***SUBSTANCES OF VERY HIGH CONCERN (SVHC) ACCORDING TO REACH, ARTICLE 57***: CAS:10043-35-3

15.2 Chemical Safety Assessment

None

16 Other information

Text of R and S phrase codes used in this safety data sheet:- H250: Catches fire spontaneously if exposed to air.; H260: In contact with water releases flammable gases which may ignite spontaneously.; H301: Toxic if swallowed.; H311: Toxic in contact with skin.; H331: Toxic if inhaled.; H360: May damage fertility or the unborn child.; H400: Very toxic to aquatic life.; H410: Very toxic to aquatic life with long lasting effects.; R15: Contact with water liberates extremely flammable gases; R17: Spontaneously flammable in air; R23/24/25: Toxic by inhalation, in contact with skin and if swallowed; R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment; R60: May impair fertility; R61: May cause harm to the unborn child.

The information provided about the product on this Safety Data Sheet has been compiled from knowledge of the individual constituents

The data given here is based on current knowledge and experience. This Safety Data Sheet describes the product in terms of safety requirements and does not signify any warranty with regard to the product's properties

The data given here only applies when product used for proper application(s). The product is not sold as suitable for other applications - usage in such may cause risks not mentioned in this sheet. Do not use for other application(s) without seeking advice from manufacturer

The most up-to-date version of this MSDS can be found on www.wilhelmsen.com/shipsservice

16 Other information (....)

OTHER CONTACT INFORMATION MAJOR CHEMICAL OFFICES

For addresses of other Wilhelmsen Ships Service offices, please refer to www.wilhelmsen.com/shipsservice

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