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**SAFETY DATA SHEET**


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

Product Name: **BRONZALLOY**  
 Datasheet Number: 575464 4. 0. 0  
 Use of the substance/preparation: Flame spraying powder  
 Name of Supplier: Wilhelmsen Ships Service AS  
 Address of Supplier: Willem Barentszstraat 50  
 3165AB  
 Rotterdam  
 The Neherlands  
 Telephone: +31 10 4877 777  
 Fax: +31 10 4877 888  
 Responsible Person: Patrick Rijsdijk, Product HSE Manager, Tel.: +31 6 349 440 35  
 Email: Patrick.Rijsdijk@Wilhelmsen.com  
 Name of Manufacturer: Wilhelmsen Ships Service AS  
 Address of Manufacturer: Strandveien 20  
 P.O.Box 33  
 NO-1324 LYSAKER  
 Norway  
 Busines Unit Maintenance & Repair  
 Telephone: +47 67 584550  
 Emergency Telephone: **\*\*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

**2 Hazards identification**

- Odour: Odourless
- Appearance: powder, black, insoluble in water
- Contact with eyes: Causes redness and irritation
- Contact with skin: In cases of severe exposure, irritation may develop
- Inhalation: Inhalation of fumes formed during welding and or cutting may be harmful.
- Ingestion: May cause gastro-intestinal disturbances

**3 Composition/information on ingredients**

Chemical Name	Concentration	CAS Number	EC Number	R Phrases	Symbols
Non classified ingredients	100%	-	-	-	-

**4 First aid measures**

Contact with skin

- After contact with skin, wash immediately with plenty of soap and water (S28)
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- In the event of burns from the molten liquid, do not attempt to remove adhering material
- Burned skin must be flushed with large amounts of cold water.
- Burns must be treated by a physician.

#### 4 First aid measures (....)

##### Contact with eyes

- If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes
- Seek medical advice if necessary

##### Ingestion

- Give water or milk to drink
- Never make an unconscious person vomit or drink fluids
- Seek medical attention if ill effects occur

##### Inhalation

- Inhalation is unlikely to occur
  - Remove patient to fresh air
  - Seek medical advice if necessary
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#### 5 Fire-fighting measures

- Unstable above 350 deg C, Auto-ignition point 450 deg C
  - Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions
  - Wear Positive-Pressure Breathing Apparatus
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#### 6 Accidental release measures

##### Personal Precautions

- Wear protective clothing as per section 8

##### Environmental Precautions

- Do not flush spilt material into any public water system

##### Clean Up Actions

- Use vacuum cleaner to collect spilled material
  - To clean the floor and all objects contaminated by this material use water (S40)
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#### 7 Handling and storage

##### Handling

- No special precautions are required for this product

##### Storage

- No special precautions are required for this product
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#### 8 Exposure controls and personal protection

##### Exposure Limits

- No exposure limits have been set for this substance

##### Exposure controls

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

##### Occupational exposure controls

- Respiratory protection may be required under exceptional circumstances when excessive air contamination exists
  - Wear suitable protective clothing, including eye/face protection and gloves (leather are recommended)
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## 8 Exposure controls and personal protection (....)



Gloves



Suit



Goggles

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## 9 Physical and chemical properties

- Odour: Odourless
- Appearance: powder, black, insoluble in water
- pH - not applicable
- Melting point >500 °C at 760 mm /Hg
- Water solubility <1 g/l
- Density 6900 kg/m<sup>3</sup>
- Unstable above 350 deg C, Auto-ignition point 450 deg C

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## 10 Stability and reactivity

- No hazardous decomposition products known, This article is considered stable under normal conditions

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## 11 Toxicological information

### Toxicological information

- No experimental data available

### Inhalation

- May cause coughing

### Contact with skin

- In cases of severe exposure, redness and irritation may develop

### Contact with eyes

- May cause irritation

### Ingestion

- Not regarded as a potential route of exposure.

### Carcinogenicity

- No evidence of carcinogenic effects

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## 12 Ecological information

### Ecotoxicity

- No information available

### Mobility

- Sinks in water

### Persistence and Biodegradability

- No information available

### Bioaccumulation Potential

- Bioaccumulation is insignificant

### Other Adverse Effects

- No environmental problems are expected when the product is used / handled correctly.

### **13 Disposal considerations**

Classification

- EU Waste class: -

Disposal considerations

- Disposal should be in accordance with local, state or national legislation
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### **14 Transport information**

Transport information

- Not classified as hazardous for transport
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### **15 Regulatory information**

Risk Phrases

- Not applicable

Safety Phrases

- Not applicable
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### **16 Other information**