

## SAFETY DATA SHEET

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

## 1.1 Product identifier

Product Name: AG 60 252 2.0 X 500MM  
Datasheet Number: 233601-r 1. 0. 0  
Product Part Number: 233601  
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: Wilhelmsen Ships Service AS  
Address of Supplier: Willem Barentszstraat 50  
3165AB Rotterdam  
The Netherlands  
Telephone: +31 10 4877 777  
Fax: +31 10 4877 888  
Responsible Person: Patrick Rijdsdijk, Product HSE Manager, Tel.:+31 6 349 440 35  
Email: patrick.rijdsdijk@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  
Giftinformasjonentralen 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
- Contact with eyes: Looking into the welding / brazing flame with incorrect or insufficient eye protection may cause arc-eye.

## 2 Hazards identification (....)

- 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
Ag	45%	7440-22-4	231-131-3	-	-
Cu	30%	7440-50-8	231-159-6	-	-
Zn	25%	7440-66-6	231-175-3	-	-

## 4 First aid measures

### 4.1 Description of first aid measures

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- When in doubt or symptoms persist, seek medical attention
- 
- IF ON SKIN: Immerse in cool water/wrap in wet bandages.
- In case of burns immediately cool affected skin as long as possible with cold water
- Get medical advice/attention.
- 
- IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
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### 4.2 Most important symptoms and effects, both acute and delayed

- Inhalation of fumes formed during welding and or cutting may be harmful.
- May cause blistering of the skin
- Can cause damage to the eyes

### 4.3 Indication of immediate medical attention and special treatment needed

No

## 5 Fire-fighting measures

### 5.1 Extinguishing media

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

### 5.2 Special hazards arising from the substance or mixture

- Smoke from fires is irritating

### 5.3 Advice for firefighters

- Smoke from fires is irritating
- Wear Positive-Pressure Breathing Apparatus

## 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

- No special precautions are required for this product

### 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 eye/face protection (S39)
- Wear suitable gloves (S37)

### 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)

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## 8 Exposure controls/personal protection

### 8.1 Control parameters

- TLV (TWA) 5 mg/m<sup>3</sup> (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)
- Wear suitable filter lenses when welding / cutting.



Gloves



Suit



Visor

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## 9 Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Odour: Odourless
  - Appearance: Welding electrode, Metallic, insoluble in water
  - pH - not applicable
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## 9 Physical and chemical properties (....)

- Boiling point - not applicable
- Vapour pressure - not applicable
- Vapour density - not applicable
- Melting point - not known
- Insoluble in water
- Non combustible

### 9.2 Other information

- No information available
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## 10 Stability and reactivity

### 10.1 Reactivity

- This article is considered stable under normal conditions

### 10.2 Chemical stability

- 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.

#### Contact with skin

- See Section 2

#### Contact with eyes

- See Section 2

#### Ingestion

- Not regarded as a potential route of exposure.

#### Carcinogenicity

- No information available
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## 12 Ecological information

## 12 Ecological information (...)

### 12.1 Toxicity

- No information available

### 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

- Insoluble in water
- 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

- 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

### 14.4 Packing group

- n/a

### 14.5 Environmental hazards

- Presents no hazard 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

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## 15 Regulatory 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.

15.2 Chemical Safety Assessment

None

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## 16 Other information

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](http://www.wilhelmsen.com/shipsservice)

### OTHER CONTACT INFORMATION MAJOR CHEMICAL OFFICES

For addresses of other Wilhelmsen Ships Service offices, please refer to [www.wilhelmsen.com/shipsservice](http://www.wilhelmsen.com/shipsservice)

Wilhelmsen Ships Service Level 1, 39 Park Street South Melbourne, Vic 3205 Australian Tel:+61 3 9630 0900  
Emergency 24hrs: +61 3 9630 0998

Wilhelmsen Ships Service INC 210 Edgewater Street US-10305 Staten Island New York United States Telephone  
daytime: (+1) 718 815 1310 Fax: (+1) 718 233 3268

Wilhelmsen Ships Service INC 2200 W. Pacific Coast Highway US-90810 Long Beach California, United States  
Tel (+1) 562 624 8888 Fax (+1) 562 624 1011

Wilhelmsen Ships Service INC 701 Ashland Ave. Ashland Center Two, Bay 12 US- 19032 Folcroft Pennsylvania  
United States Tel (+1) 610 586 7801 Fax (+1) 215 701 0646

Wilhelmsen Ships Service INC. 9400 New Century Drive US-77507 Pasadena Texas United States Telephone  
daytime: (+1) 281 867 2000 Fax: (+1) 281 867 2800

Wilhelmsen Ships Service Ltd. Unit 3A NewtonsCourt Crossways DA2 6QL Dartford, Kent United Kingdom Tel  
(+44) 1322 282 412 Fax (+44) 1322 284 774

Wilhelmsen Ships Service Ltda Rua Bispo Lacerda nos.61/67 Del Catilho BR 21051120 Rio de Janeiro Brazil Tel  
(+55) 21 25 82 8000 Fax (+55) 21 25 82 8001

Wilhelmsen Ships Service (S) Pte Ltd 186 Pandan Loop Singapore 128376 Tel (+65) 6395 4545

Wilhelmsen Ships Service Co., Ltd 12-31 Torihama-cho Kanazawa-ku Yokohama-shi JP-236 0002, Japan Tel  
(+81) 45 775 0012 Fax (+81) 45 775 0070

Wilhelmsen Ships Service Hellas SA 100, D. Moutsopoulou & Serifou str GR-185 41 Piraeus Greece Tel (+ 30)  
210 4239100 Fax (+ 30) 210 4212480

WMS AS U.A.E. Fl 24 Executive Heights, Tecom C Sheikh Zayed Road (East) Dubai United Arab Emirates Tel  
(+971) 4 382 3888

