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**SAFETY DATA SHEET**

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

## 1.1 Product and Company information

- Datasheet Number: 603423
- Product Name: HST SF 232
- Product Part Number: 603423 (Ø 1.7 mm)

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

- Use of the substance/preparation: Welding wire

## 1.3 Details of the supplier of the safety data sheet

## Head Office:

Wilhelmsen Ships Service AS  
Strandveien 20, N1324 Lysaker,  
Norway Tel: (47) 6349 440 35

## Supplier:

Wilhelmsen Ships Service AS  
Willem Barentszstraat 50  
3165AB Rotterdam  
Telephone: +31 4877 777  
Fax: +31 4877 888  
The Netherlands

For quotations contact your local Customer Services

- 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 INCIDENTNCEC:+  
44 1865 407333, CHEMTREC (800) 424 9300  
American Chemistry Council +1 703 527 3887,  
Greece +30 210 7793777Australia: +61 3 9630 0998  
Giftinformasjonsentralen in Norway Tel.: +47 22591300  
Wilhelmsen Ships Service Melbourne AUSTRALIA  
Emergency 24hrs: +61 3 9630 0998

**\*\*FOR QUOTATIONS PLEASE CONTACT YOUR LOCAL CUSTOMER SERVICES\*\***

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**SECTION 2 Hazards identification**

## 2.1 Classification of the substance or mixture

- Not classified as hazardous for users

## 2.2 Label elements

- None

## 2.3 Other hazards

- Inhalation of fumes formed during welding and or cutting may be harmful.
- Looking into the welding / brazing flame with incorrect or insufficient eye protection may cause arc-eye.
- The product is harmless as it is. Dangers when used: · UV and infrared radiation · Fumes and dust · Electric shocks can kill.

## **SECTION 3 Composition/information on ingredients**

### 3.1 Mixtures

- Non classified ingredients
    - Concentration: 100
    - CAS Number: -
    - EC Number: -
    - Symbols: -
    - R/H Phrases: -
    - Categories:
- 

## **SECTION 4 First aid measures**

### 4.1 Description of first aid measures

- IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P341).
- IF ON SKIN: Immerse in cool water/wrap in wet bandages (P302+P334).
- Burned skin must be flushed with large amounts of cold water.
- Cover with a sterile bandage to prevent infection in burn sores.
- Burns must be treated by a physician.

### 4.2 Most important symptoms and effects, both acute and delayed

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

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

- Treat symptomatically
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## **SECTION 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

- In case of fire, do not breathe fumes

### 5.3 Advice for firefighters

- Wear Positive-Pressure Breathing Apparatus
  - Non combustible
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## **SECTION 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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## **SECTION 7 Handling and storage**

### 7.1 Precautions for safe handling

- Ensure adequate ventilation
  - Wear protective clothing as per section 8
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## SECTION 7 Handling and storage (....)

### 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)

- Not applicable
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## SECTION 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

### 8.3 Occupational exposure controls



Gloves



Suit



Visor

- 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.
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## SECTION 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
- Boiling point - not applicable
- Vapour pressure - not applicable
- Vapour density - not applicable
- Melting point - not known
- Insoluble in water
- Density
- Non combustible

### 9.2 Other information

- None
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## SECTION 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

- Keep away from moist air or water
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**SECTION 10 Stability and reactivity (....)**

## 10.5 Incompatible materials

- None

## 10.6 Hazardous Decomposition Products

- No hazardous decomposition products known
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**SECTION 11 Toxicological information**

## 11.1 Information on toxicological effects

- Not applicable

## 11.2 Contact with eyes

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

## 11.3 Contact with skin

- Not applicable

## 11.4 Ingestion

- Not applicable

## 11.5 Inhalation

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

- Not applicable

## 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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**SECTION 13 Disposal considerations**

## 13.1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation

## 13.2 Classification

- EU Waste class: -
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**SECTION 14 Transport information**

Not classified as hazardous for transport

## 14.1 UN Number

- Not applicable
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**SECTION 14 Transport information (....)**

## 14.2 UN Proper Shipping Name

- Not applicable

## 14.3 Transport hazard class(es)

- Not applicable

## 14.4 Packing group

- Not applicable

## 14.5 Environmental hazards

- Presents no hazard to the environment

## 14.6 Special precautions for user

- No special precautions are required for this product

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

- Not applicable
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**SECTION 15 Regulatory information**

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

- This Safety Data Sheet is provided in compliance with the EC Directive 1907/2006-453/2010

## 15.2 Chemical Safety Assessment

- None
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**SECTION 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 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 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

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**SECTION 16 Other information (....)**

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**

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