

SAFETY DATA SHEET

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

1.1 Product identifier

Product Name: WELDING ELECTRODE LHR 320N
Datasheet Number: 699389-r 1. 0. 0
Product Part Number: 683656 (2.5 x 350 mm), 699389 (3.2 x 350 mm)
Head Office:: Wilhelmsen Ships Service AS
Address: Strandveien 20, N-1324 Lysaker Norway, Tel:(+47) 67 58 4550

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

Welding electrode

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
Giftinformasjonssentralen in Norway Tel.: +47 22591300

2 Hazards identification

2.1 Classification of the substance or mixture

- Not Classified

2.2 Label elements

- None

Hazard phrases

- Not applicable

Precautionary Phrases

- Not applicable

Risk Phrases

- Not applicable

Safety Phrases

- Not applicable

2 Hazards identification (....)

2.3 Other hazards

- Odour: Odourless
- Appearance: Welding electrode, grey, insoluble in water
- Contact with eyes: Looking into the welding / brazing flame with incorrect or insufficient eye protection may cause arc-eye.
- Contact with skin: May cause allergic reaction in susceptible people, In cases of severe exposure, redness and irritation may develop
- Inhalation: Inhalation of fumes formed during welding and or cutting may be harmful.
- Ingestion: Not regarded as a potential route of exposure.

3 Composition/information on ingredients

3.1 Mixtures

Chemical Name	Concentration	CAS Number	EC Number	R/H Phrases*	Symbols
Non classified ingredients	>95	-	-	-	-
Nickel	<2%	7440-02-0	231-111-4	R40, 43	Xn
CLP CLASSIFICATION:				H351, H372	GHS07, GHS08
Carc. 2				H317, H412	
STOT RE 1					
Skin Sens. 1					
Aquatic Chronic 3					

*See Section 16

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
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- 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.
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- 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.
- When in doubt or symptoms persist, seek medical attention

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

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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
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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 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)

8 Exposure controls/personal protection

8.1 Control parameters

- TLV (TWA) 5 mg/m³ (Welding fumes)
- TLV (TWA) 1mg/m³ (Ni)

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

- Wear suitable filter lenses when welding / cutting.



Gloves



Suit



Visor



No Smoking

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Odour: Odourless
- Appearance: Welding electrode, grey, insoluble in water
- pH - not applicable
- Boiling point - not applicable
- Vapour pressure - not applicable
- Vapour density - not applicable
- Melting point 420 °C to 820 °C at 760 mm /Hg
- Insoluble in water

9.2 Other information

- No information available

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

- Avoid contact with acids and alkalis
- Avoid contact with moist air

10.5 Incompatible materials

- Contact with acids and alkalis may form toxic gases

10.6 Hazardous Decomposition Products

- Decomposition products may include toxic and irritant fumes

11 Toxicological information

11.1 Information on toxicological effects

- The product is harmless as it is. Dangers when used: · UV and infrared radiation · Fumes and dust · Electric shocks can kill.

Inhalation

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

11 Toxicological information (....)

Contact with skin

- May cause blistering of the skin
- May cause allergic reaction in susceptible people

Contact with eyes

- Can cause damage to the eyes

Ingestion

- Not applicable

Carcinogenicity

- No information available

Teratogenicity

- No information available

Mutagenicity

- 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

- Not a PBT according to REACH Annex XIII

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 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

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

16 Other information

Text of R and S phrase codes used in this safety data sheet:- H317: May cause an allergic skin reaction.; H351: Suspected of causing cancer.; H372: Causes damage to organs through prolonged or repeated exposure.; H412: Harmful to aquatic life with long lasting effects.; R40: Limited evidence of carcinogenic effect; R43: May cause sensitisation by skin contact.

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 product consists out of a core wire with extruded coating, the wire consists out of Cr/Ni steel.

The information on ingredients in section 2 concerns the coating of the electrode

The most up-to-date version of this MSDS can be found on WWW.WILHELMSSEN.COM

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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