

## SAFETY DATA SHEET

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

**Product Name:** WELDING ELECTRODE IMPACT 329S  
**Datasheet Number:** 519728 2. 0. 0  
**Use of the substance/preparation:** Welding electrode  
**Product Part Number:** 519728 (3.2 x 350 mm), 519751 (4.0 x 350 mm)  
**Name of Supplier:** Wilhelmsen Maritime Services AS  
**Address of Supplier:** Willem Barentszstraat 50  
 3165 AB Rotterdam-Albrandswaard, The Netherlands  
  
**Telephone:** +31 10 4877 777  
**Fax:** +31 10 4877 888  
**Responsible Person:** Leen de Visser, Product HSE Manager, Tel.: +31 6 538 63736  
**Email:** Leen.de.Visser@Wilhelmsen.com  
**Name of Manufacturer:** Wilhelmsen Maritime Services AS, Business Unit Maintenance & Repair  
**Address of Manufacturer:** Strandveien 20  
 P.O.Box 33  
 NO-1324 LYSAKER  
 Norway  
**Telephone:** +47 67 584550  
**Emergency Telephone:** NCEC: +44 1865 407333, CHEMTREC (800) 424 9300  
 American Chemistry Council +1 703 527 3887, Greece +30 210 7793777

### 2 Composition/information on ingredients

Chemical Name	Concentration	CAS Number	EC Number	R Phrases*	Symbols
Non classified ingredients	>95	-	-	-	-
Nickel	<5	7440-02-0	231-111-4	40, 43	Xn
Cobalt	<5	7440-48-4	231-158-0	42/43	Xn

\*See Section 16

### 3 Hazards identification

- Odour: Odourless
- Appearance: Welding electrode, green, 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: Possible irritation of affected areas
- Inhalation: Inhalation of fumes formed during welding and or cutting may be harmful.
- Ingestion: Not regarded as a potential route of exposure.
- The product is harmless as it is. Dangers when used: · UV and infrared radiation · Fumes and dust · Electric shocks can kill.

### 4 First aid measures

#### Contact with skin

- 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.

#### Contact with eyes

- Irrigate eyes thoroughly whilst lifting eyelids
- Seek medical advice

#### Ingestion

- Not applicable

#### Inhalation

- Remove patient to fresh air
- Seek medical attention if ill effects occur

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## 5 Fire-fighting measures

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

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## 6 Accidental release measures

### Personal Precautions

- No special precautions are required for this product

### Environmental Precautions

- No special precautions are required for this product

### Clean Up Actions

- Remove by mechanical means

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## 7 Handling and storage

### Handling

- Ensure adequate ventilation
- Wear eye/face protection (S39)
- Wear suitable gloves (S37)

### Storage

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

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## 8 Exposure controls and personal protection

### Exposure Limits

- TLV (TWA) 5 mg/m<sup>3</sup> (Welding fumes)
- TLV (TWA) 1mg/m<sup>3</sup> (Ni)

### 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



No Smoking

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## 9 Physical and chemical properties

- Odour: Odourless
- Appearance: Welding electrode, green, 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

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## 10 Stability and reactivity

- This article is considered stable under normal conditions
- See Section 3

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## 11 Toxicological information

### Toxicological information

- 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

- See Section 3

Contact with eyes

- See Section 3

Ingestion

- Not applicable
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## 12 Ecological information

Ecotoxicity

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

Mobility

- Sinks in water

Persistence and Biodegradability

- No information available

Bioaccumulation Potential

- Bioaccumulation of the components in this product is insignificant.

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

Classification

- EU Waste class: -

Disposal considerations

- 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
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## 14 Transport information

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

Classification and labelling

- Not classified as hazardous for supply
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## 16 Other information

Text of R and S phrase codes used in this safety data sheet:- R40: Limited evidence of carcinogenic effect; R42/43: May cause sensitisation by inhalation and skin contact; 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

This Safety Data Sheet is provided in compliance with The Dangerous Substances Directive (67/548/EEC)

This Safety Data Sheet is provided in compliance with The Dangerous Preparations Directive (88/379/EEC)

This Safety Data Sheet is provided in compliance with The Safety Data Sheets Directive (2001/58EC)

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

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