
SAFETY DATA SHEET

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

Product Name: **TUNGSTEN ELECTRODE**
 Datasheet Number: 674710 2. 0. 0
 Use of the substance/preparation: Welding rod
 Product Part Number: 674710 (1.6 x 175 mm), 674736 (2.4 x 175 mm)
 Name of Supplier: Wilhelmsen Maritime Services AS
 Address of Supplier: Willem Barentszstraat 50
 3165 AB Rotterdam-Albrandswaard, The Netherlands

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 Responsible Person: Leen de Visser, Product HSE Manager, Tel.: +31 6 538 63736
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 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
Tungsten	98.5	7440-33-7	231-143-9	-	-
Lanthanumoxide	1.5	1312-81-8	215-200-5	-	-

3 Hazards identification

- Odour: Odourless
- Appearance: Welding electrode, Metallic, insoluble in water
- Contact with eyes: Looking into the welding / brazing flame with incorrect or insufficient eye protection may cause arc-eye.
- Inhalation: Inhalation of fumes formed during welding and or cutting may be harmful.
- 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

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/m³ (Welding fumes)

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

9 Physical and chemical properties

- Odour: Odourless
 - Appearance: Welding electrode, Metallic, insoluble in water
 - pH - not applicable
 - Boiling point 6100 °C
 - Vapour pressure - not applicable
 - Vapour density - not applicable
 - Melting point 3950 °C at 760 mm /Hg
 - Insoluble in water
 - Density 18.6 g/cm³
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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

- Not applicable

Inhalation

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

Contact with skin

- See Section 3

Contact with eyes

- See Section 3
-

11 Toxicological information (....)

Ingestion

- Not applicable

Carcinogenicity

- No information available
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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

- 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

Risk Phrases

- Not applicable

Safety Phrases

- Not applicable
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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

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)