

## SAFETY DATA SHEET

WOLFRAMELEKTROD W 203340302

Last changed: 14/06/2012

Internal No: 203340302

### 1 Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name / designation WOLFRAMELEKTROD W 203340302

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

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

##### NATIONAL MANUFACTURER/IMPORTER

Enterprise Luna Verktyg & Maskin AB  
Postal code 441 80 Alingsås  
Country Sverige  
E-mail mikael.olsson@luna.se  
Internet www.luna.se  
Telephone +46 322 60 60 00  
Fax +46 60 64 43

##### CONTACT PERSONS

Name	E-mail	Telephone	Country
Mikael Olsson			

### 2 Hazards identification

#### 2.1 Classification of the substance or mixture

DPD Classification:

CLP Classification: STOT SE 3H336

Most important HSE hazard effects: May cause drowsiness or dizziness.

#### 2.2 Label elements

Signal word: None

EC-Label: No

##### COMPOSITION

Wolfram (90 - 100 %)

##### H Statements

H336 May cause drowsiness or dizziness.

#### 2.3 Other hazards

### 3 Composition/information on ingredients

#### 3.2 Mixtures

Ingredient name	Reg.No	EC No.	CAS No.	Conc. (wt%)	DPD-Classification	CLP-classification
Wolfram			7440-33-7	90 - 100 %	R67	STOT SE 3 H336

Full text of R-, H- and EUH-phrases: see section 16.

The EUH hazard statements mentioned in CLP-classification are only label elements.

## SAFETY DATA SHEET

WOLFRAMELEKTROD W 203340302

Last changed: 14/06/2012

Internal No: 203340302

### 4 First aid measures

#### 4.1 Description of first aid measures

##### INHALATION

Fresh air. Keep the injured person warm and relaxed.

##### INGESTION

Rinse nose and mouth with water. Contact physician if larger quantity has been consumed.

##### SKIN CONTACT

Wash skin with soap and water.

##### EYE CONTACT

Rinse with water. Contact physician if discomfort continues.

##### GENERAL

Contact physician if symptoms appears. Do not induce vomiting or give anything by mouth to an unconscious person. Keep the injured person warm and relaxed.

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

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

### 5 Fire-fighting measures

#### 5.1 Extinguishing media

##### SUITABLE EXTINGUISHING MEDIA:

Extinguishing agent: cement or dry sand.

##### UNSUITABLE EXTINGUISHING MEDIA

Water

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

##### SPECIAL HAZARDS

Dust may form explosive mixture with air.

#### 5.3 Advice for fire-fighters

##### ADVICE FOR FIREFIGHTERS

Use personal protective equipment.

##### OTHER INFORMATION

Note the risk of dust explosion.

### 6 Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

#### 6.2 Environmental precautions

##### ENVIRONMENTAL PRECAUTIONS

Prevent discharge of larger quantity to drain. Immediately inform the authorities if the emission reaches the sewage system and watercourses.

#### 6.3 Methods and material for containment and cleaning up

## SAFETY DATA SHEET

### WOLFRAMELEKTROD W 203340302

Last changed: 14/06/2012

Internal No: 203340302

#### METHODS AND MATERIAL

Smaller spill: Flush area with plenty of water. Larger spill: Contain spillage with sand or earth. Can be dumped as landfill or incinerated in accordance with local regulations.

#### 6.4 Reference to other sections

#### 7 Handling and Storage

##### 7.1 Precautions for safe handling

###### PRECAUTION FOR SAFE HANDLING

Provide good ventilation. Avoid dust formation. Avoid overheating.

##### 7.2 Conditions for safe storage, including any incompatibilities

###### CONDITION FOR SAFE STORAGE, INCLUDING ANY UNCOMPATIBILITIES

Keep in a dry, cool and well-ventilated place. Avoid high temperatures and direct sunlight.

#### 7.3 Specific end uses

#### 8 Exposure controls / Personal protection

##### 8.1 Control parameters

##### 8.2 Exposure controls

###### APPROPRIATE ENGINEERING CONTROLS

Provide good ventilation. Avoid dust formation. Note the risk of dust explosion. Avoid direct contact. Use personal protective equipment. No smoking, fires, welding or sparks.

###### EYE PROTECTION

Protective gloves and goggles must be used if there is a risk of direct contact or splash.

###### HAND PROTECTION

Protective gloves and goggles must be used if there is a risk of direct contact or splash.

###### RESPIRATORY PROTECTION

Wear suitable respiratory protection.

#### 9 Physical and chemical Properties

##### 9.1 Information on basic physical and chemical properties

**PHYSICAL STATE** Rods.

**COLOUR** Green.

## SAFETY DATA SHEET

### WOLFRAMELEKTROD W 203340302

Last changed: 14/06/2012

Internal No: 203340302

Parameter	Value/unit	Method/reference	Observation
pH concentrate	No data		
pH in solution	No data		
Melting point	3400 °C		
Freezing point	No data		
Initial boiling point and boiling range	5900 °C		
Flash point	No data		
Evaporation rate	No data		
Flammability (solid, gas)	No data		
Flammability limits	No data		
Explosion limits	No data		
Vapour pressure	No data		
Vapour density	No data		
Relative density	No data		
Partition coefficient	No data		
Auto-ignition temprature	No data		
Decomposition temprature	No data		
Viscosity	No data		

### 9.2 Other safety information

Parameter	Value/unit	Method/reference	Observation
Density	18,82 - 18,97 g/cm <sup>3</sup>		

Note no.	Comments

## 10 Stability and Reactivity

### 10.1 Reactivity

### 10.2 Chemical stability

### 10.3 Possibility of hazardous reactions

### 10.4 Conditions to avoid

### 10.5 Incompatible materials

#### INCOMPATIBLE MATERIALS

Hydrogen sulphide.

### 10.6 Hazardous decomposition products:

#### HAZARDOUS DECOMPOSITION PRODUCTS

Note the risk of dust explosion.

### OTHER INFORMATION

Avoid dust formation.

## 11 Toxicological information

### 11.1 Toxicological effects

#### ACUTE TOXICITY - ORAL

May cause diarrhoea.

#### ACUTE TOXICITY - DERMAL

May be slightly irritating.

## SAFETY DATA SHEET

**WOLFRAMELEKTROD W 203340302**

Last changed: 14/06/2012

Internal No: 203340302

### ACUTE TOXICITY - INHALATION

Vapours may cause drowsiness and dizziness. Inhalation may cause irritation of the respiratory organs.

### SERIOUS EYE DAMAGE/IRRITATION

May cause irritation/smartering.

---

### 12 Ecological information

---

#### 12.1 Toxicity

---

#### 12.2 Persistence and degradability

---

#### 12.3 Bioaccumulative potential

---

#### 12.4 Mobility in soil

---

#### 12.5 Results of PBT and vPvB assessment

---

#### 12.6 Other adverse effects

---

### 13 Disposal considerations

---

#### 13.1 Waste treatment methods

### GENERAL REGULATIONS

Dumped according to local and national regulations.

---

### 14 Transport information

---

Classified as Dangerous Goods: **No**

#### Land transport (ADR/RID)

<b>14.1 UN-No.</b>	Not applicable.	<b>14.4 Packing group</b>	Not applicable.
<b>14.2 Proper Shipping Name</b>	Not applicable.	<b>14.5 Environmental hazards</b>	Not applicable.
<b>14.3 Class(es)</b>	Not applicable.		
<b>Hazard label(s)</b>	Not applicable.		
<b>Hazard ID:</b>	Not applicable.	<b>Tunnel restriction code</b>	Not applicable.

#### Inland water ways transport (ADN)

<b>14.1 UN-No.</b>	Not applicable.	<b>14.4 Packing group</b>	Not applicable.
<b>14.2 Proper Shipping Name</b>	Not applicable.	<b>14.5 Environmental hazards</b>	Not applicable.
<b>14.3 Class(es)</b>	Not applicable.		
<b>Environmentally hazardous in tank-vessels</b>	Not applicable.		

## SAFETY DATA SHEET

### WOLFRAMELEKTROD W 203340302

Last changed: 14/06/2012

Internal No: 203340302

#### Sea transport (IMDG)

<b>14.1 UN-No.</b>	Not applicable.	<b>14.4 Packing group</b>	Not applicable.
<b>14.2 Proper Shipping Name</b>	Not applicable.	<b>14.5 Environmental hazards</b>	Not applicable.
<b>14.3 Class(es)</b>	Not applicable.		
<b>Sub Risk:</b>	Not applicable.		
<b>IMDG Code segregation group</b>	Not applicable.		
<b>Marine pollutant</b>	Not applicable.		
<b>EMS:</b>	Not applicable.		

#### Air transport (ICAO-TI / IATA-DGR)

<b>14.1 UN-No.</b>	Not applicable.	<b>14.4 Packing group</b>	Not applicable.
<b>14.2 Proper Shipping Name</b>	Not applicable.	<b>14.5 Environmental hazards</b>	Not applicable.
<b>14.3 Class(es)</b>	Not applicable.		
<b>Hazard label(s)</b>	Not applicable.		

### 15 Regulatory information

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

**15.2 Chemical Safety Assessment**

### 16 Other information

#### LIST OF RELEVANT R-PHRASES

R67      Vapours may cause drowsiness and dizziness.

#### LIST OF RELEVANT H-STATEMENTS

H336      May cause drowsiness or dizziness.