

ELEKTROD R 85 202910303

Last changed: 14/06/2012

Internal No: 202910303

Country

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

1.1 Product identifier

Trade name / designation ELEKTROD R 85 202910303

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
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Telephone	+46 322 60 60 00
Fax	+46 60 64 43

CONTACT PERSONS

Name Mikael Olsson

2 Hazards identification

2.1 Classification of the substance or mixture

DPD Classification:

CLP Classification:

Skin Sens. 1H317

Most important HSE hazard effects: May cause an allergic skin reaction.

2.2 Label elements



Signal word: None

EC-Label: No

COMPOSITION Krom (< 1 %), Nickel. (< 2 %), Manganese (< 2 %), Molybden (< 1 %)

H Statements

H317 May cause an allergic skin reaction.

2.3 Other hazards

3 Composition/information on ingredients

3.2 Mixtures

E-mail

R43

Telephone



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SAFETY DATA SHEET

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Ingredient name	Reg.No	EC No.	CAS No.	Conc. (wt%)	DPD-Classification	CLP-classification
Krom			7440-47-3	< 1 %		
Nickel.			7440-02-0	< 2 %	Xn,Xi,R40 - R43	Skin Sens. 1 H317 Carc. 2 H351
Manganese			7439-96-5	< 2 %	Xn,R48	STOT RE 2 H373
Molybden			7439-98-7	< 1 %		

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

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

4 First aid measures

4.1 Description of first aid measures

INHALATION

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

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:

All common fire extinguishing agents may be used.

5.2 Special hazards arising from the substance or mixture

5.3 Advice for fire-fighters

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

PERSONAL PRECAUTIONS

No special precautions required.

6.2 Environmental precautions

ENVIRONMENTAL PRECAUTIONS

No special precautions required.

6.3 Methods and material for containment and cleaning up

METHODS AND MATERIAL See section 13.

6.4 Reference to other sections

7 Handling and Storage

7.1 Precautions for safe handling



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PRECAUTION FOR SAFE HANDLING

No special precautions required.

7.2 Conditions for safe storage, including any incompatibilities

CONDITION FOR SAFE STORAGE, INCLUDING ANY UNCOMPATIBILITIES No special precautions required.

7.3 Specific end uses

8 Exposure controls / Personal protection

8.1 Control parameters

8.2 Exposure controls

APPROPRIATE ENGINEERING CONTROLS

Use only in well-ventilated areas. Avoid contact with skin. Observe normal hygiene such as washing hands before meals, etc.

EYE PROTECTION

Use eye protection.

SKIN PROTECTION

Wear suitable protective clothing. Use a welding helmet during welding

HAND PROTECTION

Wear suitable gloves.

RESPIRATORY PROTECTION

Use breathing masks and eye protection when smoke is present.

OTHER INFORMATION

During welding fumes will be formed The fumecontant is depending on the electrode type and the base material Primarily iron oxid, secondarily complex oxides of manganese, nickel, chromium and molybdenum may be formed Also ozone and nitrogen dioxide can be formed by arc radiation

9 Physical and chemical Properties

9.1 Information on basic physical and chemical properties

PHYSICAL STATE Electrode



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Parameter	Value/unit	Method/reference	Observation
pH consentrate	No data		
pH in solution	No data		
Melting point	1000 - 1500 °C		
Freezing point	No data		
Initial boiling point and boiling range	No data		
Flash point	No data		
Evaporation rate	No data		
Flammability (solid, gas)	No data		
Flammability limits	No data		
Explotion 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

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

CONDITIONS TO AVOID

Avoid contact with strong acids. Avoid contact with bases.

10.5 Incompatible materials

10.6 Hazardous decomposition products:

11 Toxicological information

11.1 Toxicological effects

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



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13 Disposal considerations

13.1 Waste treatment methods

GENERAL REGULATIONS

Dump or destroy in accordance with official recommendations and applicable legislation.

14 Transport information

Classified as Dangerous Goods: No

14.1 UN-No. Not applicable. 14.4 Packing group Not applicable. 14.2 Proper Not applicable. 14.5 Not applicable. 14.3 Not applicable. Environmental hazards 14.3 Not applicable. Class(es)	
14.2 Proper ShippingNot applicable.14.5Not applicable.ShippingEnvironmental hazards14.3Not applicable.	
14.3 Not applicable.	
Hazard Not applicable.	
Hazard ID: Not applicable. Tunnel Not applicable. restriction code	
Inland water ways transport (ADN)	
14.1 UN-No. Not applicable. 14.4 Packing group Not applicable.	
14.2 Proper Not applicable. 14.5 Not applicable. Shipping Environmental hazards Not applicable.	
14.3 Class(es) Not applicable.	
Enviromentally Not applicable. hazardous in tank-vessels	
Sea transport (IMDG)	
Sea transport (hibb) 14.1 UN-No. Not applicable. 14.4 Packing Not applicable.	
group	
14.2 Proper Not applicable. 14.5 Not applicable. Shipping Environmental hazards Not applicable.	
14.3 Not applicable. Class(es)	
Sub Risk: Not applicable.	
IMDG Code Not applicable. segregation group	
Marine Not applicable. pollutant	
EMS: Not applicable.	
Air transport (ICAO-TI / IATA-DGR)	
14.1 UN-No. Not applicable. 14.4 Packing group Not applicable.	
14.2 Proper Not applicable. 14.5 Not applicable. Shipping Environmental Name hazards	
14.3 Not applicable. Class(es) Image: Class (Class (Clas (Clas) (Class (Class (Clas (Class (Class (Class (Clas (Clas) (C	
Hazard Not applicable. Iabel(s)	

15 Regulatory information



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

15.2 Chemical Safety Assessment

16 Oth	16 Other information		
LIST OF	RELEVANT R-PHRASES		
R40	Limited evidence of a carcinogenic effect.		
R43	May cause sensitisation by skin contact.		
R48	Danger of serious damage to health by prolonged exposure.		

LIST OF RELEVANT H-STATEMENTS

H317	May cause an allergic skin reaction.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.