

ELEKTROD RMA H30 206210106

Last changed: 20/06/2012 Internal No: 206210106

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

1.1 Product identifier

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

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CONTACT PERSONS

Name E-mail Telephone Country

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2 Hazards identification

2.1 Classification of the substance or mixture

DPD Classification:

CLP Classification:

Most important HSE hazard effects:

2.2 Label elements

Signal word: None

EC-Label: No

COMPOSITION

Cr (< 1,5 %), Mn (< 0,8 %), Mo (< 0,5 %)

2.3 Other hazards

3 Composition/information on ingredients

3.2 Mixtures

Ingredient name	Reg.No	EC No.		Conc. (wt%)	DPD-Classification	CLP-classification
Cr			7440-47-3	< 1,5 %		
Mn			7439-96-5	< 0,8 %		
Мо			7439-98-7	< 0,5 %		

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

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



7 Handling and Storage

SAFETY DATA SHEET

SAFETY DATA SHEET	
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4 First aid measures	
4.1 Description of first aid measures	
INHALATION	
During welding fume can be inhaled: bring patient in fresh air, breath in fresh air deeply. Contact physician if ne	cessary
INGESTION	
Not applicable.	
SKIN CONTACT	
Not applicable.	
EYE CONTACT	
Not applicable.	
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:	
Can be extinguished with powder or dry sand.	
UNSUITABLE EXTINGUISHING MEDIA	
Do not use water. Do not use water mist.	
5.2 Special hazards arising from the substance or mixture	
SPECIAL HAZARDS	
AluminiumCan form dust clouds that may explode on contact with flames, heat and oxidizers.	
5.3 Advice for fire-fighters	
6 Accidental release measures	
o Modacinal Feleuse measures	
6.1 Personal precautions, protective equipment and emergency procedures	
PERSONAL PRECAUTIONS No special precautions required.	
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 Dumped according to local and national regulations.	
Dumped according to local and national regulations.	
6.4 Reference to other sections	
0.4 Kerenence to other sections	



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7.1 Precautions for safe handling

PRECAUTION FOR SAFE HANDLING

No special precautions required.

${\bf 7.2\ Conditions\ for\ safe\ storage,\ including\ any\ incompatibilities}$

CONDITION FOR SAFE STORAGE, INCLUDING ANY UNCOMPATIBILITIES

Keep container dry.

7.3 Specific end uses

8 Exposure controls / Personal protection

8.1 Control parameters

8.2 Exposure controls

EYE PROTECTION

Use eye protection.

SKIN PROTECTION

Use well fitting working clothes

Use a welding helmet during weldingAvoid direct contact. In case od dust or smoke: keep foodstuffs sealed Protective clothing must be stored separately from other clothing. Wash your hands thoroughly after handling and before eating or smoking.

HAND PROTECTION

Wear suitable gloves.

RESPIRATORY PROTECTION

During welding fumes will be formed

Effective ventilation is presupposed or suitable respirator.

OTHER INFORMATION

Possible reaction products i welding fume Manganese oxide, ozon, nitrogen dioxid

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
ivote no.	Odminents

10 Stability and Reactivity

10.1 Reactivity

10.2 Chemical stability

CHEMICAL STABILITY

Stable under normal conditions

10.3 Possibility of hazardous reactions

10.4 Conditions to avoid

CONDITIONS TO AVOID

Avoid contact with acids and alkalies.

10.5 Incompatible materials

INCOMPATIBLE MATERIALS

Dust from aluminium are considerable reaktive with water, strong oxidizers, acids and alkalis, halogenated componds and iron oxide

10.6 Hazardous decomposition products:

11 Toxicological information

11.1 Toxicological effects

12 Ecological information

12.1 Toxicity

ECOTOXICITY

Not known



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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: N

Land transpor	t (ADR/RID)		
14.1 UN-No.	Not applicable.	14.4 Packing group	Not applicable.
14.2 Proper Shipping Name	Not applicable.	14.5 Environmental hazards	Not applicable.
14.3 Class(es)	Not applicable.		
Hazard label(s)	Not applicable.		
Hazard ID:	Not applicable.	Tunnel restriction code	Not applicable.

Inland water ways transport (ADN)				
14.1 UN-No.	Not applicable.	14.4 Packing group	Not applicable.	
14.2 Proper Shipping Name	Not applicable.	14.5 Environmental hazards	Not applicable.	
14.3 Class(es)	Not applicable.			
Enviromentally hazardous in tank-vessels	Not applicable.			

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



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Not applicable.

Air transport (ICAO-TI / IATA-DGR)

14.1 UN-No. Not applicable. **14.4 Packing** Not applicable.

group
14.2 Proper Not applicable. 14.5

Shipping Environmental

Name hazards
14.3 Not applicable.

Class(es)
Hazard Not applicable.

Hazard Not applicable. label(s)

15 Regulatory information

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

15.2 Chemical Safety Assessment

OTHER INFORMATION

Warning do not inhale welding fumes Medium acute toxicity. Risk of injuries with long term or frequent inhalation. Ensure that ventilation is good. See the Safety Data Sheet for the type of electrode in question.

16 Other information