

## SAFETY DATA SHEET

### MÄSSINGLOD M 900 202360400

Last changed: 13/06/2012

Internal No: 202360400

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

##### 1.1 Product identifier

Trade name / designation MÄSSINGLOD M 900 202360400

##### 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: Carc. Cat. 3; R40, R43, N; R50/53

CLP Classification: Skin Sens. 1AH317, Carc. 2H351, Aquatic Chronic 1H410

Most important HSE hazard effects: May cause an allergic skin reaction. Suspected of causing cancer. Very toxic to aquatic life with long lasting effects.

##### 2.2 Label elements



Signal word: None

EC-Label: No

##### COMPOSITION

nickel (< 2,5 %), Koppar (56 - 62 %), Zinkpulver-zinkdamm (stbiliserat (32 - 40 %), SILVER (< 1 %), MANGAN (0,2 - 1 %)

##### H Statements

H317 May cause an allergic skin reaction.  
H351 Suspected of causing cancer.  
H410 Very toxic to aquatic life with long lasting effects.

##### 2.3 Other hazards

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#### OTHER HAZARDS

Warning do not inhale welding fumes Harmful: danger of serious damage to health by prolonged exposure through inhalation.

### 3 Composition/information on ingredients

#### 3.2 Mixtures

Ingredient name	Reg.No	EC No.	CAS No.	Conc. (wt%)	DPD-Classification	CLP-classification
nickel		231-111-4	7440-02-0	< 2,5 %	T,Carc. Cat. 3,R40 - R43 - R48/23	Skin Sens. 1 H317 Carc. 2 H351 STOT RE 1 H372
Koppar		231-159-6	7440-50-8	56 - 62 %	N,R50/53	Aquatic Chronic 1 H410
Zinkpulver-zinkdamm (stbiliserat)		231-175-3	7440-66-6	32 - 40 %	N,R50 - R53	Aquatic Acute 1 H400 Aquatic Chronic 4 H413
SILVER			7440-22-4	< 1 %	N,R50/53	Aquatic Chronic 1 H410
MANGAN			7439-96-5	0,2 - 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

Fresh air.

##### SKIN CONTACT

Wash promptly with soap & water if skin becomes contaminated. Burns must be treated by a physician.

##### EYE CONTACT

Immediately rinse with water. Get medical attention if any discomfort continues.

##### BURNS

In the event of burn injury: Cool immediately with large quantities of water. Continue cooling during immediate journey to a doctor - hospital.

#### 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:

Use extinguishing media appropriate for surrounding fire. Fire may be extinguished using powder, foam or carbon dioxide (CO<sub>2</sub>).

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

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#### 5.3 Advice for fire-fighters

##### ADVICE FOR FIREFIGHTERS

Use breathing apparatus.

#### 6 Accidental release measures

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

##### PERSONAL PRECAUTIONS

Use personal protective equipment.

#### 6.2 Environmental precautions

##### ENVIRONMENTAL PRECAUTIONS

In the event of major emissions, contact the relevant authorities.

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

##### METHODS AND MATERIAL

Collect in a container for recovery or incineration.

#### 6.4 Reference to other sections

#### 7 Handling and Storage

#### 7.1 Precautions for safe handling

##### PRECAUTION FOR SAFE HANDLING

Effective ventilation is a prerequisite.

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

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

Keep in a cool place. Store dry.

#### 7.3 Specific end uses

#### 8 Exposure controls / Personal protection

#### 8.1 Control parameters

##### OEL value

Ingredient name	CAS no.	Range	ppm	mg/m3	Year	Notification
SILVER	7440-22-4	8 h		0,1		
Koppar	7440-50-8	15 min.				
Koppar	7440-50-8	8 h		1		

R=Toxic for reproduction, H=Skin absorption, K=Carcinogenic, A=Sensitising, T=Upper limit, M=Mutagenic

#### 8.2 Exposure controls

##### APPROPRIATE ENGINEERING CONTROLS

Use only in well-ventilated areas. Mechanical ventilation or local exhaust ventilation may be required.

##### EYE PROTECTION

Use approved safety goggles or face shield.

##### HAND PROTECTION

Use protective gloves.

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### RESPIRATORY PROTECTION

If necessary, respirator with P2 particle filter. Respirator with combined filter or breathing apparatus may be necessary.

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## 9 Physical and chemical Properties

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### 9.1 Information on basic physical and chemical properties

**PHYSICAL STATE** Solid.

**COLOUR** Silver-coloured.

Parameter	Value/unit	Method/reference	Observation
pH concentrate	No data		
pH in solution	No data		
Melting point	875 - 895 °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		
Explosion limits	No data		
Vapour pressure	No data		
Vapour density	No data		
Relative density	9	g/cm <sup>3</sup>	
Partition coefficient	No data		
Auto-ignition temperature	No data		
Decomposition temperature	No data		
Viscosity	No data		

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### 9.2 Other safety information

Note no.	Comments

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## 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

Not translated to English

### 10.5 Incompatible materials

### 10.6 Hazardous decomposition products:

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## 11 Toxicological information

### 11.1 Toxicological effects

#### ACUTE TOXICITY - DERMAL

May cause allergic contact eczema.

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### ACUTE TOXICITY - INHALATION

NOT TRANSLATED NOT TRANSLATED Repeated inhalation of dust from inorganic nickel compounds may cause increased risk of nose and lung cancer. The risk is lower if the compounds are easily soluble. Exposure to manganese in high concentrations is suspected of causing nerve damage.

### SERIOUS EYE DAMAGE/IRRITATION

Dust and welding fumes in the eyes may cause smarting/irritation.

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## 12 Ecological information

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### 12.1 Toxicity

#### ECOTOXICITY

Contains component/components that are toxic to aquatic organisms. May cause long-term adverse effects in the environment.

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### 12.2 Persistence and degradability

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### 12.3 Bioaccumulative potential

#### ACCUMULATION

Bioaccumulation can be expected.

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### 12.4 Mobility in soil

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### 12.5 Results of PBT and vPvB assessment

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### 12.6 Other adverse effects

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## 13 Disposal considerations

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### 13.1 Waste treatment methods

#### GENERAL REGULATIONS

Treat as dangerous waste.

#### CATEGORY OF WASTE

Not translated to English

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## 14 Transport information

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Classified as Dangerous Goods:    Yes

<b>Land transport (ADR/RID)</b>	
<b>14.1 UN-No.</b> 3077  <b>14.2 Proper Shipping Name</b> NOT TRANSLATED  <b>14.3 Class(es) Hazard label(s)</b> 9  <b>Hazard ID:</b> 90	<b>14.4 Packing group</b> III  <b>14.5 Environmental hazards</b>   <b>Tunnel restriction code</b>

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#### Inland water ways transport (ADN)

<b>14.1 UN-No.</b>	3077	<b>14.4 Packing group</b>	III
<b>14.2 Proper Shipping Name</b>	NOT TRANSLATED	<b>14.5 Environmental hazards</b>	
<b>14.3 Class(es)</b>	9		
<b>Enviromentally hazardous in tank-vessels</b>			

#### Sea transport (IMDG)

<b>14.1 UN-No.</b>	3077	<b>14.4 Packing group</b>	III
<b>14.2 Proper Shipping Name</b>		<b>14.5 Environmental hazards</b>	
<b>14.3 Class(es)</b>	9		
<b>Sub Risk: IMDG Code segregation group</b>			
<b>Marine pollutant</b>	Yes		
<b>EMS:</b>	F-A,S-F		

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

<b>14.1 UN-No.</b>	3077	<b>14.4 Packing group</b>	III
<b>14.2 Proper Shipping Name</b>		<b>14.5 Environmental hazards</b>	
<b>14.3 Class(es)</b>	9		
<b>Hazard label(s)</b>			

### 15 Regulatory information

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

##### PROVISIONS

Not translated to EnglishNot translated to English

#### 15.2 Chemical Safety Assessment

### 16 Other information

#### LIST OF RELEVANT R-PHRASES

R40	Limited evidence of a carcinogenic effect.
R43	May cause sensitisation by skin contact.
R48/23	Toxic: danger of serious damage to health by prolonged exposure through inhalation.
R50	Very toxic to aquatic organisms.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R53	May cause long-term adverse effects in the aquatic environment.

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#### LIST OF RELEVANT H-STATEMENTS

H317	May cause an allergic skin reaction.
H351	Suspected of causing cancer.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.