

SAFETY DATA SHEET

GASSVETSTRÅD G4 MO 202390308

Last changed: 13/06/2012

Internal No: 202390308

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

1.1 Product identifier

Trade name / designation GASSVETSTRÅD G4 MO 202390308

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
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CONTACT PERSONS

Name	E-mail	Telephone	Country
Mikael Olsson			

2 Hazards identification

2.1 Classification of the substance or mixture

DPD Classification:

CLP Classification: Skin Sens. 1BH317

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

2.2 Label elements

Signal word: None

EC-Label: No

COMPOSITION

Järn (~ 98), MANGAN (0,9 - 1,2), Kisel (0,15 - 0,25), Kol (0,08 - 0,14), P röd (< 0,025), Svavel (< 0,02), Krom (< 0,3), Molybden (< 0,3), Koppar (< 0,15), Vanadium (< 0,1), Nickel. (< 0,3)

H Statements

H317 May cause an allergic skin reaction.

2.3 Other hazards

3 Composition/information on ingredients

3.2 Mixtures

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Ingredient name	Reg.No	EC No.	CAS No.	Conc. (wt%)	DPD-Classification	CLP-classification
Järn			7439-89-6	~ 98		
MANGAN			7439-96-5	0,9 - 1,2		
Kisel			7440-21-3	0,15 - 0,25		
Kol			7440-44-0	0,08 - 0,14		
P röd			7723-14-0	< 0,025	F,N,R11 - R16 - R52/53	Unst. Expl. H200 Flam. Liq. 2 H225 Aquatic Chronic 3 H412
Svavel			7704-34-9	< 0,02		
Krom			7440-47-3	< 0,3		
Molybden			7439-98-7	< 0,3		
Koppar			7440-50-8	< 0,15		
Vanadium			7440-62-2	< 0,1		
Nickel.			7440-02-0	< 0,3	Xn,Xi,R40 - R43	Skin Sens. 1 H317 Carc. 2 H351

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

Immediately move the exposed person to fresh air. Get medical attention if any discomfort continues.

SKIN CONTACT

Contact physician.

EYE CONTACT

Rinse thoroughly with water until the irritation subsides. 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

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

6.2 Environmental precautions

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6.3 Methods and material for containment and cleaning up

6.4 Reference to other sections

7 Handling and Storage

7.1 Precautions for safe handling

7.2 Conditions for safe storage, including any incompatibilities

CONDITION FOR SAFE STORAGE, INCLUDING ANY UNCOMPATIBILITIES

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
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

EYE PROTECTION

Use eye protection.

SKIN PROTECTION

Wear suitable protective clothing. Use a welding helmet during welding

HAND PROTECTION

Wear suitable gloves.

RESPIRATORY PROTECTION

Effective ventilation is presupposed or suitable respirator.

9 Physical and chemical Properties

9.1 Information on basic physical and chemical properties

COLOUR Grey.

ODOUR Odour-free.

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Parameter	Value/unit	Method/reference	Observation
pH concentrate	No data		
pH in solution	No data		
Melting point	No data		
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	No data		
Partition coefficient	No data		
Auto-ignition temperature	No data		
Decomposition temperature	No data		
Viscosity	No data		

9.2 Other safety information

Note no.	Comments

10 Stability and Reactivity

10.1 Reactivity

10.2 Chemical stability

CHEMICAL STABILITY

Stable.

10.3 Possibility of hazardous reactions

10.4 Conditions to avoid

10.5 Incompatible materials

10.6 Hazardous decomposition products:

HAZARDOUS DECOMPOSITION PRODUCTS

When welding, smoke and gases may be formed that are harmful to health.

11 Toxicological information

11.1 Toxicological effects

ACUTE TOXICITY - INHALATION

Powerful, short-term exposure may cause dizziness, nausea and irritation in the nose, throat and eyes.

OTHER TOXICOLOGICAL INFORMATION

Protracted exposure to welding fumes may cause damage to the lungs.

12 Ecological information

12.1 Toxicity

12.2 Persistence and degradability

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12.3 Bioaccumulative potential

12.4 Mobility in soil

12.5 Results of PBT and vPvB assessment

12.6 Other adverse effects

OTHER EFFECTS

The welding process may affect the external environment.

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)

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.		
Environmentally 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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Air transport (ICAO-TI / IATA-DGR)

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.		

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

R11	Highly flammable.
R16	Explosive when mixed with oxidising substances.
R40	Limited evidence of a carcinogenic effect.
R43	May cause sensitisation by skin contact.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

LIST OF RELEVANT H-STATEMENTS

H200	Unstable explosive.
H225	Highly flammable liquid and vapour.
H317	May cause an allergic skin reaction.
H351	Suspected of causing cancer.
H412	Harmful to aquatic life with long lasting effects.