

## SAFETY DATA SHEET

**GASSVETSTRÅD G2 202380507**

Last changed: 13/06/2012

Internal No: 202380507

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

#### 1.1 Product identifier

Trade name / designation GASSVETSTRÅD G2 202380507

#### 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: 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<br>Flam. Liq. 2 H225<br>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<br>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 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

#### 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)

|                                  |                 |                                   |                 |
|----------------------------------|-----------------|-----------------------------------|-----------------|
| <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

|        |   |
|--------|---|
| 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. |