

## SAFETY DATA SHEET

HYDRAULOLJA 46 HVI 155430101

Last changed: 23/05/2012

Internal No: 155430101

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

#### 1.1 Product identifier

Trade name / designation HYDRAULOLJA 46 HVI 155430101

#### 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 SE-441 80 ALINGSÅS  
Country SVERIGE  
Telephone + 46 322 60 60 00  
Fax + 46 322 60 64 43

##### CONTACT PERSONS

Name	E-mail	Telephone	Country
Jörgen Bengtsson		+ 46 322 60 64 52	

### 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

Högraffinerad mineralolja. (DMSO-EXTRAKT<3%IP 346) (> 90 %)

##### SUPPLEMENTAL HAZARD INFORMATION (EU)

Not classified.

#### 2.3 Other hazards

### 3 Composition/information on ingredients

#### 3.2 Mixtures

Ingredient name	Reg.No	EC No.	CAS No.	Conc. (wt%)	DPD-Classification	CLP-classification
Högraffinerad mineralolja. (DMSO-EXTRAKT<3%IP 346)				> 90 %		

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

## SAFETY DATA SHEET

HYDRAULOLJA 46 HVI 155430101

Last changed: 23/05/2012

Internal No: 155430101

### 4.1 Description of first aid measures

#### INHALATION

Fresh air and rest. Rinse nose, mouth and throat with water. Get medical attention if any discomfort continues.

#### INGESTION

DO NOT INDUCE VOMITING! Contact physician.

#### SKIN CONTACT

Wash skin with soap and water. Remove contaminated clothing. Get medical attention if any discomfort continues. Product that has entered under the skin at high pressure demands immediate medical attention.

#### EYE CONTACT

Rinse with water. 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:

Fire may be extinguished using powder, foam or carbon dioxide (CO<sub>2</sub>).

##### UNSUITABLE EXTINGUISHING MEDIA

Do not use water.

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

##### SPECIAL HAZARDS

In strong heat, combustible vapours are emitted. In the event of a fire, irritating smoke is formed. Carbon monoxide may be formed in the event of incomplete combustion.

#### 5.3 Advice for fire-fighters

##### ADVICE FOR FIREFIGHTERS

Wear suitable respiratory protection.

#### OTHER INFORMATION

Only trained personnel may undertake fire fighting in enclosed spaces. Containers close to fire should be removed immediately or cooled with water.

### 6 Accidental release measures

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

##### PERSONAL PRECAUTIONS

Bank in the discharge. Use personal protective equipment.

#### 6.2 Environmental precautions

##### ENVIRONMENTAL PRECAUTIONS

Prevent discharges into the sewage system, watercourses or lakes.

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

## SAFETY DATA SHEET

HYDRAULOLJA 46 HVI 155430101

Last changed: 23/05/2012

Internal No: 155430101

### METHODS AND MATERIAL

Bank with sand, earth or other inert absorption agent. Collect. Immediately inform the authorities if the emission reaches the sewage system and watercourses. Inform the emergency service in the event of major spillage. Treat as dangerous waste. In the event of spillage into water: Enclose by booms and pump out as much as possible, collect minor quantities, e.g. in bark, and remove immediately.

### 6.4 Reference to other sections

## 7 Handling and Storage

### 7.1 Precautions for safe handling

#### PRECAUTION FOR SAFE HANDLING

Avoid formation of aerosol/mist. Prevent spillage.

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

### 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
Högraffinerad mineralolja. (DMSO-EXTRAKT<3%IP 346)		15 min.		3		
Högraffinerad mineralolja. (DMSO-EXTRAKT<3%IP 346)		8 h		1		

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

### BIOLOGICAL THRESHOLD VALUES

Contains mineral oil for which a threshold value for oil mist must be applied.

### 8.2 Exposure controls

#### APPROPRIATE ENGINEERING CONTROLS

Good personal hygiene is important. Use only in well-ventilated areas. Remove contaminated clothing. Do not put polluted rags in your pockets. Use suitable protective gloves, protective goggles and protective clothes if there is risk of direct contact or splashing.

#### EYE PROTECTION

Use eye protection.

#### SKIN PROTECTION

Apron.

#### HAND PROTECTION

Protective gloves (nitrile rubber, fluorocarbon rubber).

## 9 Physical and chemical Properties

### 9.1 Information on basic physical and chemical properties

**PHYSICAL STATE** Liquid.

**COLOUR** Yellowish.

**ODOUR** Oil. Weak.

**SOLUBILITY** Organic solvents.

## SAFETY DATA SHEET

HYDRAULOLJA 46 HVI 155430101

Last changed: 23/05/2012

Internal No: 155430101

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	> 180 °C		
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	~ 42 mm <sup>2</sup> /s	40°C	

### 9.2 Other safety information

Parameter	Value/unit	Method/reference	Observation
Density	~ 875 kg/m <sup>3</sup>	15°C	

Note no.	Comments

## 10 Stability and Reactivity

### 10.1 Reactivity

### 10.2 Chemical stability

#### CHEMICAL STABILITY

Stable.

### 10.3 Possibility of hazardous reactions

#### POSSIBILITY OF HAZARDOUS REACTIONS

Reacts with strong oxidants.

### 10.4 Conditions to avoid

#### CONDITIONS TO AVOID

Strong oxidizing agent.

### 10.5 Incompatible materials

### 10.6 Hazardous decomposition products:

#### HAZARDOUS DECOMPOSITION PRODUCTS

Carbon monoxide and hydrocarbons are emitted in a fire.

## 11 Toxicological information

### 11.1 Toxicological effects

#### ACUTE TOXICITY - ORAL

Risk of aspiration with chemical pneumonia.

## SAFETY DATA SHEET

HYDRAULOLJA 46 HVI 155430101

Last changed: 23/05/2012

Internal No: 155430101

### ACUTE TOXICITY - INHALATION

Oil mist may irritate the respiratory organs.

### SKIN CORROSION/IRRITATION

Protracted or repeated contact in combination with poor hygiene may cause skin problems in the form of skin inflammation (dermatitis), eczema and oil acne. The product used may contain compounds that are harmful to health that have formed during use. Product that has come under the skin at high pressure may cause extensive subcutaneous necrosis.

### SERIOUS EYE DAMAGE/IRRITATION

May cause discomfort.

---

## 12 Ecological information

---

### 12.1 Toxicity

---

### 12.2 Persistence and degradability

---

#### DEGRADABILITY

The principal constituents are expected to be biodegradable. Slowly biodegradable.

---

### 12.3 Bioaccumulative potential

---

#### ACCUMULATION

Bioaccumulation can be expected.

---

### 12.4 Mobility in soil

---

#### MOBILITY

Low solubility in water. The product floats on water. Contains components that strongly adsorb earth particles.

---

### 12.5 Results of PBT and vPvB assessment

---

### 12.6 Other adverse effects

---

#### OTHER EFFECTS

Forms an oil film on water surfaces that may harm aquatic organisms and may disturb the transport of oxygen at the air/water interface.

---

## 13 Disposal considerations

---

### 13.1 Waste treatment methods

---

#### GENERAL REGULATIONS

May only be transported by a contractor with a special licence.

#### CATEGORY OF WASTE

EWC 13 02 05

---

## 14 Transport information

---

Classified as Dangerous Goods: No

## SAFETY DATA SHEET

**HYDRAULOLJA 46 HVI 155430101**

Last changed: 23/05/2012

Internal No: 155430101

### Land transport (ADR/RID)

<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.		
<b>Hazard ID:</b>	Not applicable.	<b>Tunnel restriction code</b>	Not applicable.

### Inland water ways transport (ADN)

<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>Environmentally hazardous in tank-vessels</b>	Not applicable.		

### Sea transport (IMDG)

<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>Sub Risk:</b>	Not applicable.		
<b>IMDG Code segregation group</b>	Not applicable.		
<b>Marine pollutant</b>	Not applicable.		
<b>EMS:</b>	Not applicable.		

### 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