

## SAFETY DATA SHEET

MOTOROLJA 5W-40 SYNTET 162690200

Last changed: 29/05/2012

Internal No: 162690200

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

#### 1.1 Product identifier

Trade name / designation MOTOROLJA 5W-40 SYNTET 162690200

#### 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

KATALYTISKT HYDROISOMERICERADE KOLVÄTEN (> 60 %), Zinkdialkylditiofosfat (< 2 %), Styrenkolvätepolymer (< 2 %)

##### SUPPLEMENTAL HAZARD INFORMATION (EU)

Not classified.

#### 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
KATALYTISKT HYDROISOMERICERADE KOLVÄTEN				> 60 %		
Zinkdialkylditiofosfat		272-028-3	68649-42-3	< 2 %	Xi,N,R36/38 - R51/53	Skin Irrit. 2 H315 Eye Irrit. 2 H319 Aquatic Chronic 2 H411
Styrenkolvätepolymer				< 2 %	R53	Aquatic Chronic 4 H413

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

Provide rest, warmth and fresh air. 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. Immediate hospital care if the product has been forced through the skin at high pressure.

###### 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.

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### OTHER INFORMATION

Only trained personnel may undertake fire fighting in enclosed spaces. Containers close to fire should be removed 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

##### METHODS AND MATERIAL

Bank with sand, earth or other inert absorption agent. Immediately inform the authorities if the emission reaches the sewage system and watercourses. Inform the emergency service in the event of major spillage. Remains and waste must be treated 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

Prevent spillage. Avoid formation of aerosol/mist.

#### 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

##### OEL value

Ingredient name	CAS no.	Range	ppm	mg/m3	Year	Notification
KATALYTISKT HYDROISOMERICERADE KOLVÄTEN		15 min.		3	2000	
KATALYTISKT HYDROISOMERICERADE KOLVÄTEN		8 h		1	2000	

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. Wear appropriate clothing to prevent any possibility of skin contact.

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### 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** Brownish.

**ODOUR** Oil. Weak.

**SOLUBILITY** Organic solvents.

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	> 200 °C	ASTM D 92	
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	~ 76 mm <sup>2</sup> /s	40°C ASTM D 445	

### 9.2 Other safety information

Parameter	Value/unit	Method/reference	Observation
Density	~ 854 kg/m <sup>3</sup>	15°C ASTM D 4052	

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

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### 10.5 Incompatible materials

#### INCOMPATIBLE MATERIALS

Strong oxidizing agent.

### 10.6 Hazardous decomposition products:

#### HAZARDOUS DECOMPOSITION PRODUCTS

Carbon monoxide may be formed in the event of incomplete combustion.

## 11 Toxicological information

### 11.1 Toxicological effects

#### ACUTE TOXICITY - ORAL

Risk of aspiration with chemical pneumonia.

#### ACUTE TOXICITY - DERMAL

Product that has come under the skin at high pressure may cause extensive subcutaneous necrosis.

#### ACUTE TOXICITY - INHALATION

Dust, vapours, mists or aerosol may cause irritation.

#### SERIOUS EYE DAMAGE/IRRITATION

May cause discomfort.

#### CARCINOGENICITY

May cause cancer after repeated exposure.

#### OTHER TOXICOLOGICAL INFORMATION

Used oils may contain contaminants hazardous to health. Protracted or repeated contact in combination with poor hygiene may cause skin problems in the form of skin inflammation (dermatitis), eczema and oil acne.

## 12 Ecological information

### 12.1 Toxicity

#### ACUTE AQUATIC TEST RESULTS

NOT TRANSLATED

### 12.2 Persistence and degradability

#### DEGRADABILITY

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

### 12.3 Bioaccumulative potential

#### ACCUMULATION

Contains component/components that can be bioaccumulated.

### 12.4 Mobility in soil

#### MOBILITY

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

### 12.5 Results of PBT and vPvB assessment

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### 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**

#### 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.		

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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

R36/38	Irritating to eyes and skin.
R51/53	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.

#### LIST OF RELEVANT H-STATEMENTS

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H411	Toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.