

## SAFETY DATA SHEET

KOMBIOLJA 68 155350101

Last changed: 08/05/2012

Internal No: 155350101

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

#### 1.1 Product identifier

Trade name / designation KOMBIOLJA 68 155350101

#### 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

ALKYL-TIADIAZOL (0,1 - 0,2 %), Petroleum oil, highly refined (DMSO-EXTRAKT<3% IP346) (> 90 %)

##### SUPPLEMENTAL HAZARD INFORMATION (EU)

Not classified.

#### 2.3 Other hazards

### 3 Composition/information on ingredients

#### 3.2 Mixtures

## SAFETY DATA SHEET

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Ingredient name	Reg.No	EC No.	CAS No.	Conc. (wt%)	DPD-Classification	CLP-classification
ALKYL-TIADIAZOL				0,1 - 0,2 %	Xn,R20 - R36/38 - R43 - R53	Acute Tox. 4 H332 Skin Irrit. 2 H315 Eye Irrit. 2 H319 Aquatic Chronic 4 H413 Skin Sens. 1A H317
Petroleum oil, highly refined (DMSO-EXTRAKT < 3% IP346)				> 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

#### 4.1 Description of first aid measures

##### INHALATION

Fresh air and rest. Heat. 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

Evolves combustible gases if heated. 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.

## SAFETY DATA SHEET

KOMBIOLJA 68 155350101

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Internal No: 155350101

### 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 dispersion through damming with sand, earth or other suitable material. Prevent discharges into the sewage system, watercourses or lakes.

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

##### METHODS AND MATERIAL

Smaller quantities of residue may be collected by an absorbent. 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
Petroleum oil, highly refined (DMSO-EXTRAKT<3% IP346)		15 min.		3		
Petroleum oil, highly refined (DMSO-EXTRAKT<3% IP346)		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

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.

## SAFETY DATA SHEET

KOMBIOLJA 68 155350101

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Internal No: 155350101

### HAND PROTECTION

Protective gloves (nitrile rubber, fluorocarbon rubber).

### OTHER INFORMATION

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

## 9 Physical and chemical Properties

### 9.1 Information on basic physical and chemical properties

**PHYSICAL STATE** Liquid.

**COLOUR** Light brown.

**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		
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	~ 64 mm <sup>2</sup> /s	40°C	

### 9.2 Other safety information

Parameter	Value/unit	Method/reference	Observation
Density	~ 880 kg/m <sup>3</sup>	15°C	

Note no.	Comments

## 10 Stability and Reactivity

### 10.1 Reactivity

### 10.2 Chemical stability

#### CHEMICAL STABILITY

Stable under recommended storage and handling conditions.

### 10.3 Possibility of hazardous reactions

### 10.4 Conditions to avoid

#### CONDITIONS TO AVOID

Strong oxidizing agent.

## SAFETY DATA SHEET

KOMBIOLJA 68 155350101

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### 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.

##### ACUTE TOXICITY - DERMAL

Protracted or repeated contact in combination with poor hygiene may cause skin problems in the form of skin inflammation (dermatitis), eczema and oil acne. Product that has come under the skin at high pressure may cause extensive subcutaneous necrosis.

##### ACUTE TOXICITY - INHALATION

Oil mist may irritate the respiratory organs.

##### SERIOUS EYE DAMAGE/IRRITATION

May cause discomfort.

##### OTHER TOXICOLOGICAL INFORMATION

The product used may contain compounds that are harmful to health that have formed during use.

### 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

## SAFETY DATA SHEET

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### 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.		

#### 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

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### 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

R20	Harmful by inhalation.
R36/38	Irritating to eyes and skin.
R43	May cause sensitisation by skin contact.
R53	May cause long-term adverse effects in the aquatic environment.

#### LIST OF RELEVANT H-STATEMENTS

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H413	May cause long lasting harmful effects to aquatic life.