

## SAFETY DATA SHEET

### SKÄRVÄTSKA BIO 5L 155510209

Last changed: 26/04/2012

Internal No: 155510209

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

##### 1.1 Product identifier

Trade name / designation SKÄRVÄTSKA BIO 5L 155510209

##### 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: Xi; R36/37, R66

CLP Classification: Skin Irrit. 2H315, Eye Irrit. 2H319, STOT SE 3H335, EUH066

Most important HSE hazard effects: Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. Repeated exposure may cause skin dryness or cracking.

##### 2.2 Label elements



Signal word: None

EC-Label: No

###### COMPOSITION

NATRIUMPYRION (< 1 %), Alkanolaminborater (10 - 25 %), Oxazolidin (2 - 4 %)

###### H Statements

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
EUH066	Repeated exposure may cause skin dryness or cracking.

##### 2.3 Other hazards

#### 3 Composition/information on ingredients

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#### 3.2 Mixtures

Ingredient name	Reg.No	EC No.	CAS No.	Conc. (wt%)	DPD-Classification	CLP-classification
NATRIUMPYRION				< 1 %	Xn,N,R20/21/22 - R36/38 - R50	Acute Tox. 4 H302/312/332 Eye Irrit. 2 H319 Aquatic Acute 1 H400
Alkanolaminborater			247-421-8	10 - 25 %	Xi,R36	Eye Irrit. 2 H319
Oxazolidin				2 - 4 %	C,R21/22 - R34 - R52	Acute Tox. 3 H311/331 Skin Corr. 1A H314 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

Fresh air if there are symptoms of injury.

###### INGESTION

DO NOT INDUCE VOMITING! Drink a couple of glasses of water or milk.

###### SKIN CONTACT

Wash skin with soap and water.

##### 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 a direct water jet.

##### 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

###### PERSONAL PRECAUTIONS

The product contains a substance that may emit formaldehyde. Respiratory protection may be required.

##### 6.2 Environmental precautions

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#### ENVIRONMENTAL PRECAUTIONS

Prevents major discharge into sewage systems, groundwater and surface water.

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

##### METHODS AND MATERIAL

Soak up the spillage with suitable absorbent material. Dispose in accordance with applicable regulations. Small quantities may be flushed to drains with plenty of water.

#### 6.4 Reference to other sections

#### 7 Handling and Storage

##### 7.1 Precautions for safe handling

###### PRECAUTION FOR SAFE HANDLING

Avoid prolonged or repeated contact. Promptly remove non-impervious clothing that becomes contaminated.

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

###### CONDITION FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Store at temperatures between 5 °C and 40 °C. Keep container tightly closed. Keep in original container.

#### 7.3 Specific end uses

#### 8 Exposure controls / Personal protection

##### 8.1 Control parameters

##### 8.2 Exposure controls

###### EYE PROTECTION

Use eye protection.

###### HAND PROTECTION

Wear suitable gloves. PVC. Rubber.

###### RESPIRATORY PROTECTION

All handling to take place in well ventilated area. Provide sufficient ventilation during operations which cause vapour formation.

#### 9 Physical and chemical Properties

##### 9.1 Information on basic physical and chemical properties

**COLOUR** Tan.

**SOLUBILITY** Water soluble.

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Parameter	Value/unit	Method/reference	Observation
pH concentrate	10,3		
pH in solution	9,5	5%	
Melting point	~ 0 °C		
Freezing point	No data		
Initial boiling point and boiling range	~ 100 °C		
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	~ 490 mm <sup>2</sup> /s	20°C	

### 9.2 Other safety information

Parameter	Value/unit	Method/reference	Observation
Density	1090 kg/m <sup>3</sup>	20°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

#### POSSIBILITY OF HAZARDOUS REACTIONS

In an acidic environment, formaldehyde may decompose.

### 10.4 Conditions to avoid

#### CONDITIONS TO AVOID

Avoid temperatures above 100 °C. Acids. Strong oxidizing agent.

### 10.5 Incompatible materials

### 10.6 Hazardous decomposition products:

#### HAZARDOUS DECOMPOSITION PRODUCTS

The product contains a substance that may emit formaldehyde. Sensitising

## 11 Toxicological information

### 11.1 Toxicological effects

#### ACUTE TOXICITY - DERMAL

May cause irritation, reddening and itching.

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**SKIN CORROSION/IRRITATION**

Prolonged or repeated contact leads to drying of skin.

**SERIOUS EYE DAMAGE/IRRITATION**

May cause smarting and lacrimation.

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**12 Ecological information**

**12.1 Toxicity**

**12.2 Persistence and degradability**

**12.3 Bioaccumulative potential**

**12.4 Mobility in soil**

**12.5 Results of PBT and vPvB assessment**

**12.6 Other adverse effects**

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**13 Disposal considerations**

**13.1 Waste treatment methods**

**GENERAL REGULATIONS**

Treated as environmentally-dangerous waste. If the spillage or waste cannot be recycled or destroyed privately (NB licence requirements), contact a contractor approved by the municipality or county council.

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

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#### 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

#### LIST OF RELEVANT R-PHRASES

R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R21/22	Harmful in contact with skin and if swallowed.
R34	Causes burns.
R36	Irritating to eyes.
R36/37	Irritating to eyes and respiratory system.
R36/38	Irritating to eyes and skin.
R50	Very toxic to aquatic organisms.
R52	Harmful to aquatic organisms.
R66	Repeated exposure may cause skin dryness or cracking.

#### LIST OF RELEVANT H-STATEMENTS

H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H413	May cause long lasting harmful effects to aquatic life.
H302/312/332	Harmful if swallowed, in contact with skin or if inhaled.
H311/331	Toxic in contact with skin or if inhaled.