

SAFETY DATA SHEET

SKÄRVÄTSKA BIO 3L 155510100

Last changed: 26/04/2012

Internal No: 155510100

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

1.1 Product identifier

Trade name / designation SKÄRVÄTSKA BIO 3L 155510100

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 (CO₂).

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 ² /s	20°C	

9.2 Other safety information

Parameter	Value/unit	Method/reference	Observation
Density	1090 kg/m ³	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.

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

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.

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.		

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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.		

Air transport (ICAO-TI / IATA-DGR)

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.		

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.