

SAFETY DATA SHEET

ROSTLÖSARE UNI AER. MOS2 149040206

Last changed: 15/05/2012

Internal No: 149040206

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

1.1 Product identifier

Trade name / designation ROSTLÖSARE UNI AER. MOS2 149040206

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: F+; R12
CLP Classification: Flam. Gas 1H220
Most important HSE hazard effects: Extremely flammable gas.

2.2 Label elements



Signal word: None

EC-Label: No

COMPOSITION

KOLVÄTEBLANDNING (30 - 40 %), MINERALOIL (10 - 20 %), MoS2 (1 - 3 %), PROPAN (5 - 15 %), BUTAN (15 %)

H Statements

H220 Extremely flammable gas.

P Statements

P102 Keep out of reach of children.
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P262 Do not get in eyes, on skin, or on clothing.

SUPPLEMENTAL HAZARD INFORMATION (EU)

Repeated exposure may cause skin dryness or cracking.

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2.3 Other hazards

OTHER HAZARDS

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.

3 Composition/information on ingredients

3.2 Mixtures

Ingredient name	Reg.No	EC No.	CAS No.	Conc. (wt%)	DPD-Classification	CLP-classification
KOLVÄTEBLANDNING			64741-65-7	30 - 40 %	Xn,R65 - R66	STOT SE 1 H370 EUH066
MINERALOIL			74869-22-0	10 - 20 %		
MoS2			1317-33-5	1 - 3 %		
PROPAN			74-98-6	5 - 15 %	F+,R12	Flam. Gas 1 H220
BUTAN			106-97-8	15 %	F+,R12	Flam. Gas 1 H220

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

INGESTION

DO NOT INDUCE VOMITING! Contact physician. Risk of lung damage.

SKIN CONTACT

Wash skin with soap and water.

EYE CONTACT

Rinse thoroughly with water until the irritation subsides. 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

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Treat symptomatically.

5 Fire-fighting measures

5.1 Extinguishing media

SUITABLE EXTINGUISHING MEDIA:

Extinguishing agent: carbon dioxide, powder, foam or sand.

5.2 Special hazards arising from the substance or mixture

SPECIAL HAZARDS

Aerosols can explode when heated to temperatures over 50 °C.

5.3 Advice for fire-fighters

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ADVICE FOR FIREFIGHTERS

Use a fresh air breathing apparatus and protective suit.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

PERSONAL PRECAUTIONS

Evacuate the area.

FOR NON-EMERGENCY PERSONNEL

Evacuate the area. Always keep away from sources of ignition. No smoking. Wear protective clothing.

FOR EMERGENCY RESPONDERS

Evacuate the area. Always keep away from sources of ignition. No smoking. Wear protective clothing.

6.2 Environmental precautions

6.3 Methods and material for containment and cleaning up

METHODS AND MATERIAL

Product and packaging waste is handled according to local regulations.

6.4 Reference to other sections

7 Handling and Storage

7.1 Precautions for safe handling

PRECAUTION FOR SAFE HANDLING

Avoid inhaling vapour/aerosol/mist. Avoid heat, sparks and open flame.

7.2 Conditions for safe storage, including any incompatibilities

CONDITION FOR SAFE STORAGE, INCLUDING ANY UNCOMPATIBILITIES

Keep container in a well-ventilated place. Keep away from sources of ignition - No smoking.

7.3 Specific end uses

8 Exposure controls / Personal protection

8.1 Control parameters

OEL value

Ingredient name	CAS no.	Range	ppm	mg/m ³	Year	Notification
PROPAN	74-98-6	15 min.	1100	2000		
PROPAN	74-98-6	8 h	800	1500		
BUTAN	106-97-8	15 min.	1000	2350		
BUTAN	106-97-8	8 h	800	1900		
KOLVÄTEBLANDNING	64741-65-7	15 min.		1200		
KOLVÄTEBLANDNING	64741-65-7	8 h		900		

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

OTHER INFORMATION REGARDING LIMIT VALUES AND MONITORING

Respiratory protection must be used if air concentration exceeds acceptable level.

8.2 Exposure controls

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APPROPRIATE ENGINEERING CONTROLS

Use only in well-ventilated areas. Avoid contact with the skin and eyes.

EYE PROTECTION

Use eye protection.

SKIN PROTECTION

Avoid prolonged or repeated contact.

HAND PROTECTION

Protective gloves (nitrile rubber, PVC).

RESPIRATORY PROTECTION

Wear suitable respiratory protection.

9 Physical and chemical Properties

9.1 Information on basic physical and chemical properties

PHYSICAL STATE Liquid.

COLOUR Grayish.

WATER SOLUBILITY Insoluble in water.

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	190 - 210 °C	Kolväteblandning	1)
Flash point	< 0 °C		
Evaporation rate	No data		
Flammability (solid, gas)	No data		
Flammability limits	No data		
Explosion limits	2,3 - 9,5 %	Propan	
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	No data		

9.2 Other safety information

Parameter	Value/unit	Method/reference	Observation
Density	690 kg/m ³		

Note no.	Comments
1	NOT TRANSLATED

10 Stability and Reactivity

10.1 Reactivity

10.2 Chemical stability

10.3 Possibility of hazardous reactions

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10.4 Conditions to avoid

10.5 Incompatible materials

10.6 Hazardous decomposition products:

11 Toxicological information

11.1 Toxicological effects

ACUTE TOXICITY - ORAL

Harmful: may cause lung damage if swallowed.

SKIN CORROSION/IRRITATION

Irritating to skin. Repeated exposure may cause skin dryness or cracking.

SERIOUS EYE DAMAGE/IRRITATION

Irritating to eyes.

12 Ecological information

12.1 Toxicity

ECOTOXICITY

Evaporates partially from water and the ground. In the event of spillage on the ground, the product will be adsorbed to earth particles. Discharge of large volumes can pollute the ground and groundwater.

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

14 Transport information

Classified as Dangerous Goods: Yes

Land transport (ADR/RID)	
14.1 UN-No.	1950
14.2 Proper Shipping Name	
14.3 Class(es)	2
Hazard label(s)	2.1
Hazard ID:	
14.4 Packing group	
14.5 Environmental hazards	
	Tunnel restriction code

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Inland water ways transport (ADN)

14.1 UN-No. 1950 14.2 Proper Shipping Name 14.3 Class(es) 2.1 Enviromentally hazardous in tank-vessels	14.4 Packing group 14.5 Environmental hazards
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Sea transport (IMDG)

14.1 UN-No. 1950 14.2 Proper Shipping Name 14.3 Class(es) 2.1 Sub Risk: IMDG Code segregation group Marine pollutant No EMS: F-D,S-U	14.4 Packing group 14.5 Environmental hazards
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Air transport (ICAO-TI / IATA-DGR)

14.1 UN-No. 1950 14.2 Proper Shipping Name 14.3 Class(es) 2.1 Hazard label(s)	14.4 Packing group 14.5 Environmental hazards
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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

R12	Extremely flammable.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.

LIST OF RELEVANT H-STATEMENTS

H220	Extremely flammable gas.
H370	Causes damage to organs.
EUH066	Repeated exposure may cause skin dryness or cracking.