

## SAFETY DATA SHEET

### SYSTEMRENGÖRARE 1 155540206

Last changed: 24/05/2012

Internal No: 155540206

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

##### 1.1 Product identifier

Trade name / designation SYSTEMRENGÖRARE 1 155540206

##### 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; R38, Xi; R41

CLP Classification: Skin Irrit. 2H315, Eye Dam. 1H318

Most important HSE hazard effects: Causes skin irritation.Causes serious eye damage.

##### 2.2 Label elements



Signal word: None

EC-Label: No

###### COMPOSITION

2-Metyl-2,4-pentandiol (< 6 %), 2-Aminoetanol (< 2 %), Högraffinerad mineralolja. (DMSO-EXTRAKT<3%IP 346) (> 55 %), Alkohol, C16-18 och C18-omättade, etoxylerade (10 - 20 %), 2-(2-Butoxietoxi)etanol (< 6 %), N,N'-METYLENBISMORFOLIN (< 6 %), 3-JOD-2-PROPYNYL BUTYLKARBANAT (< 0,5 %), POLY(OXIETEN)OLEAMID (~ 10 %)

###### H Statements

H315 Causes skin irritation.  
H318 Causes serious eye damage.

###### SUPPLEMENTAL HAZARD INFORMATION (EU)

Protracted or frequently recurrent contact will degrease the skin and may cause skin irritation.

##### 2.3 Other hazards

## SAFETY DATA SHEET

### SYSTEMRENGÖRARE 1 155540206

Last changed: 24/05/2012

Internal No: 155540206

#### OTHER HAZARDS

PreservativeThe product contains a substance that may emit formaldehyde. The product may cause allergies to oversensitive persons even in small quantities.

### 3 Composition/information on ingredients

#### 3.2 Mixtures

Ingredient name	Reg.No	EC No.	CAS No.	Conc. (wt%)	DPD-Classification	CLP-classification
2-Metyl-2,4-pentandiol		203-489-0	107-41-5	< 6 %	Xi,R36/38	Skin Irrit. 2 H315 Eye Irrit. 2 H319
2-Aminoetanol		205-483-3	141-43-5	< 2 %	Xn,C,R20/21/22 - R34	Acute Tox. 4 H302/312/332 Skin Corr. 1A H314
Högraffinerad mineralolja. (DMSO-EXTRAKT<3%IP 346)				> 55 %		
Alkohol, C16-18 och C18-omättade, etoxylerade		500-236-9	68920-66-1	10 - 20 %	Xi,R38	Skin Irrit. 2 H315
2-(2-Butoxietoxi)etanol		203-961-6	112-34-5	< 6 %	Xi,R36	Eye Irrit. 2 H319
N,N'-METYLENBISMORFOLIN		227-062-3	5625-90-1	< 6 %	Xn,C,R22 - R34 - R52	Acute Tox. 4 H302 Skin Corr. 1B H314 Eye Dam. 1 H318
3-JOD-2-PROPYNYL BUTYLKARBANAT		259-627-5	55406-53-6	< 0,5 %	Xn,N,R20/22 - R41 - R50	Acute Tox. 4 H302/332 Eye Dam. 1 H318 Aquatic Acute 1 H400
POLY(OXIETEN)OLEAMID		POLYMER	26027-37-2	~ 10 %	Xi,R41	Eye Dam. 1 H318

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

Important! Rinse immediately with water for at least 15 minutes, keeping the eyelids wide open. 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

## SAFETY DATA SHEET

**SYSTEMRENGÖRARE 1 155540206**

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Internal No: 155540206

### 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.

#### OTHER INFORMATION

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

Prevent dispersion through damming with sand, earth or other suitable material. Collect. 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. Avoid spillage.

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

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

Store above freezing.

## SAFETY DATA SHEET

### SYSTEMRENGÖRARE 1 155540206

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Internal No: 155540206

#### 7.3 Specific end uses

#### 8 Exposure controls / Personal protection

##### 8.1 Control parameters

###### OEL value

Ingredient name	CAS no.	Range	ppm	mg/m <sup>3</sup>	Year	Notification
Högraffinerad mineralolja. (DMSO-EXTRAKT<3%IP 346)		15 min.		3		
Högraffinerad mineralolja. (DMSO-EXTRAKT<3%IP 346)		8 h		1		
2-Aminoetanol	141-43-5	15 min.				
2-Aminoetanol	141-43-5	8 h	3			

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. 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.

###### HAND PROTECTION

Protective gloves (nitrile rubber, fluorocarbon rubber).

#### 9 Physical and chemical Properties

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

<b>PHYSICAL STATE</b>	Liquid.
<b>COLOUR</b>	Yellow.
<b>ODOUR</b>	Oil.
<b>SOLUBILITY</b>	Organic solvents.
<b>WATER SOLUBILITY</b>	Emulsable in water.

## SAFETY DATA SHEET

### SYSTEMRENGÖRARE 1 155540206

Last changed: 24/05/2012

Internal No: 155540206

Parameter	Value/unit	Method/reference	Observation
pH concentrate	No data		
pH in solution	9,8	5%	
Melting point	No data		
Freezing point	No data		
Initial boiling point and boiling range	No data		
Flash point	> 150 °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	No data		

### 9.2 Other safety information

Parameter	Value/unit	Method/reference	Observation
Density	~ 905 kg/m <sup>3</sup>	15°C	

Note no.	Comments

## 10 Stability and Reactivity

### 10.1 Reactivity

### 10.2 Chemical stability

#### CHEMICAL STABILITY

Stable.

### 10.3 Possibility of hazardous reactions

#### POSSIBILITY OF HAZARDOUS REACTIONS

Strong oxidant.

### 10.4 Conditions to avoid

### 10.5 Incompatible materials

### 10.6 Hazardous decomposition products:

#### HAZARDOUS DECOMPOSITION PRODUCTS

Carbon monoxide and hydrocarbons are emitted in a fire. The product contains a substance that may emit formaldehyde.

## 11 Toxicological information

### 11.1 Toxicological effects

#### ACUTE TOXICITY - ORAL

May cause nausea, vomiting, diarrhoea and stomach ache.

#### ACUTE TOXICITY - INHALATION

Mist/vapours/aerosols may cause irritation of the respiratory tract.

## SAFETY DATA SHEET

### SYSTEMRENGÖRARE 1 155540206

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#### SKIN CORROSION/IRRITATION

May cause allergies on prolonged or repeated contact with the skin.

#### SERIOUS EYE DAMAGE/IRRITATION

Irritating to eyes.

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### 12 Ecological information

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#### 12.1 Toxicity

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#### 12.2 Persistence and degradability

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##### DEGRADABILITY

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

#### 12.3 Bioaccumulative potential

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##### ACCUMULATION

Contains component/components that can be bioaccumulated.

#### 12.4 Mobility in soil

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##### MOBILITY

Emulsable in water.

#### 12.5 Results of PBT and vPvB assessment

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#### 12.6 Other adverse effects

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##### 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.

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### 13 Disposal considerations

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#### 13.1 Waste treatment methods

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##### GENERAL REGULATIONS

May only be transported by a contractor with a special licence.

##### CATEGORY OF WASTE

EWC 13 01 05

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### 14 Transport information

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Classified as Dangerous Goods: No

## SAFETY DATA SHEET

### SYSTEMRENGÖRARE 1 155540206

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Internal No: 155540206

#### 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.		

#### 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

## SAFETY DATA SHEET

### SYSTEMRENGÖRARE 1 155540206

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Internal No: 155540206

#### LIST OF RELEVANT R-PHRASES

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.  
R20/22 Harmful by inhalation and if swallowed.  
R22 Harmful if swallowed.  
R34 Causes burns.  
R36 Irritating to eyes.  
R36/38 Irritating to eyes and skin.  
R38 Irritating to skin.  
R41 Risk of serious damage to eyes.  
R50 Very toxic to aquatic organisms.  
R52 Harmful to aquatic organisms.

#### LIST OF RELEVANT H-STATEMENTS

H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H400 Very toxic to aquatic life.  
H302/312/332 Harmful if swallowed, in contact with skin or if inhaled.  
H302/332 Harmful if swallowed or if inhaled.