

## SAFETY DATA SHEET

### Cutting Fluid 155500200

Last changed: 23/04/2012

Internal No. 155500200

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

##### 1.1. Product identifier

Trade name Cutting Fluid 155500200

##### 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  
Tel + 46 322 60 60 00  
Fax + 46 322 60 64 43

###### CONTACT PERSON

Name	Email	Tel	Country
Jörgen Bengtsson		+ 46 322 60 64 52	

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

DPD Classification: Xi; R36/38

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

Most serious harmful effects:: Causes skin irritation.Causes serious eye damage.

##### 2.2. Label elements



Signal word: None

EC-Label: No

##### COMPOSITION

Borsyra, förening med 2-aminoetanol (15 - 15 %), POLYOXYETYLENOLEYLETTERFOSFAT (1 - 5 %), POLY(OXIETEN)OLEAMID (1 - 5 %), N,N'-METYLENBISMORFOLIN (1 - 5 %), 3-jod-2-propynyl butylkarbammat (0,1 - 1 %), 2-(2-Butoxietoxi)etanol (1 - 3 %), N-alkylerad bensotriazol (0,1 - 0,3 %), Petroleum oil, highly refined (DMSO-EXTRAKT<3% IP346) (~ 80 %)

##### H-phrases

H315 Causes skin irritation.  
H318 Causes serious eye damage.

##### P-phrases

P262 Do not get in eyes, on skin, or on clothing.  
P305/351/338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337/313 If eye irritation persists: Get medical advice/attention.

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#### SUPPLEMENTAL HAZARD INFORMATION (EU)

Formaldehydde.

#### 2.3. Other hazards

#### SECTION 3: Composition/information on ingredients

##### 3.2. Mixtures

Ingredient name	Reg. no.	EC No.	CAS No.	Conc. (wt%)	DPD-Classification	CLP-classification
Borsyra, förening med 2-aminoetanol		247-421-8	26038-87-9	15 - 15 %	Xi,R36	Eye Irrit. 2 H319
POLYOXYETYLENOLEYLETTERFOSFAT		POLYMER	39464-69-2	1 - 5 %	Xi,R38 - R41	Skin Irrit. 2 H315 Eye Dam. 1 H318
POLY(OXIETEN)OLEAMID		POLYMER	26027-37-2	1 - 5 %	Xi,R41	Eye Dam. 1 H318
N,N'-METYLENBISMORFOLIN		227-062-3	5625-90-1	1 - 5 %	Xn,C,R21/22 - R34 - R52	Acute Tox. 4 H302 Skin Corr. 1B H314 Eye Dam. 1 H318 Aquatic Chronic 3 H412
3-jod-2-propynyl butylkarbamat		259-627-5	55405-53-2	0,1 - 1 %	Xn,N,R20/22 - R41 - R50	Acute Tox. 4 H302/332 Eye Dam. 1 H318 Aquatic Chronic 1 H410
2-(2-Butoxietoxi)etanol		203-961-6	112-34-5	1 - 3 %	Xi,R36	Eye Irrit. 2 H319
N-alkylerad bensotriazol		279-501-3	80584-88-9	0,1 - 0,3 %	Xn,Xi,R22 - R41 - R43 - R52/53	Acute Tox. 4 H302 Eye Dam. 1 H318 Aquatic Chronic 4 H413 Skin Sens. 1A H317
Petroleum oil, highly refined (DMSO-EXTRAKT < 3% IP346)				~ 80 %		

Full text of R-, H- and EUH-phrases: see section 16.

The EUH hazard statements mentioned in CLP-classification are only label elements.

#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

###### INHALATION

Fresh air and rest. Heat. Rinse nose, mouth and throat with water. Consult a doctor if symptoms should occur.

###### INGESTION

DO NOT INDUCE VOMITING! Contact physician.

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#### SKIN

Wash skin with soap and water. Remove contaminated clothing. Consult a doctor if symptoms should occur. Immediate hospital care if the product has been forced through the skin at high pressure.

#### EYES

Important! Immediately rinse with water for at least 5 minutes. Get medical attention promptly if symptoms occur after washing. Continue rinsing during the journey to the doctor.

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#### 4.2. Most important symptoms and effects, both acute and delayed

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#### 4.3. Indication of any immediate medical attention and special treatment needed

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### SECTION 5: Firefighting measures

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#### 5.1. Extinguishing media

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##### SUITABLE EXTINGUISHING MEDIA:

Fire may be extinguished using powder, foam or carbon dioxide (CO<sub>2</sub>).

##### UNSUITABLE EXTINGUISHING MEDIA

Do not use water.

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#### 5.2. Special hazards arising from the substance or mixture

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##### SPECIAL HAZARDS

Vapours may ignite. In the event of a fire, irritating smoke is formed. Carbon monoxide may be formed in the event of incomplete combustion.

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#### 5.3. Advice for firefighters

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##### 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 or cooled with water.

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### SECTION 6: Accidental release measures

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#### 6.1. Personal precautions, protective equipment and emergency procedures

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##### PERSONAL PRECAUTIONS

Use personal protective equipment.

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#### 6.2. Environmental precautions

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##### ENVIRONMENTAL PRECAUTIONS

Prevent discharges into the sewage system, watercourses or lakes.

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

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##### METHODS AND MATERIAL

Bank with sand, earth or other inert absorption agent and collect. Treat as dangerous waste. Immediately inform the authorities if the emission reaches the sewage system and watercourses. Inform the emergency service in the event of major spillage.

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#### 6.4. Reference to other sections

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

##### 7.1. PRECAUTIONS FOR SAFE HANDLING

Prevent spillage.

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

##### 7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Store above freezing.

#### 7.3. Specific end use(s)

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

Ingredient name	CAS No.	Range	ppm	mg/m3	Year	Remarks
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

#### OTHER INFORMATION REGARDING LIMIT VALUES AND MONITORING

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 and protective clothes if there is risk of direct contact or splashing. Facilities for eye rinsing must be available.

##### EYE PROTECTION

Use approved safety goggles or face shield.

##### SKIN PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

##### HAND PROTECTION

Protective gloves (nitrile rubber, fluorocarbon rubber).

### SECTION 9: Physical and chemical properties

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

<b>STATE</b>	Liquid.
<b>COLOUR</b>	Brownish.
<b>ODOUR</b>	Weak. Oil.
<b>SOLUBILITY</b>	Soluble in organic solvents.
<b>SOLUBILITY IN WATER</b>	Emulsable in water.

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Parameter	Value/unit	Method/reference	Observation
pH (concentrate)	No data		
pH (solution for use)	~ 9,4		
Melting point	No data		
Freezing point	No data		
Initial boiling point and boiling range	No data		
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 temperature	No data		
Decomposition temperature	No data		
Viscosity	~ 88 mm <sup>2</sup> /s	ASTM D 445 40°C	

### 9.2. Other information

Parameter	Value/unit	Method/reference	Observation
Density	~ 999 kg/m <sup>3</sup>	ASTM D 4052 15°C	

Note no.	Comments

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

#### 10.2. Chemical stability

#### 10.2. CHEMICAL STABILITY

Stable under recommended storage and handling conditions.

#### 10.3. Possibility of hazardous reactions

#### 10.3. POSSIBILITY OF HAZARDOUS REACTIONS

Strong oxidizing agent.

#### 10.4. Conditions to avoid

#### 10.5. Incompatible materials

#### 10.6. Hazardous decomposition products

#### 10.6. HAZARDOUS DECOMPOSITION PRODUCTS

Formaldehyde. Carbon monoxide may be formed in the event of incomplete combustion.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### ACUTE TOXICITY - ORAL

May cause nausea, vomiting, diarrhoea and stomach ache.

#### SKIN CORROSION/IRRITATION

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

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**SERIOUS EYE DAMAGE/EYE IRRITATION**

Irritant

**RESPIRATORY SENSITISATION OR SKIN SENSITISATION**

May cause allergy. May cause hypersensitivity.

**OTHER TOXICOLOGICAL EFFECTS**

Protracted or repeated contact in combination with poor hygiene may cause skin problems in the form of skin inflammation (dermatitis), eczema and oil acne. Used oils may contain contaminants hazardous to health.

**SECTION 12: Ecological information**

**12.1. Toxicity**

**ACUTE AQUATIC TEST RESULTS**

Forms an oil film on water surfaces that may harm aquatic organisms and may disturb the transport of oxygen at the air/water interface.

**ECOTOXICITY**

Low toxicity to aquatic organisms.

**12.2. Persistence and degradability**

**PERSISTENCE AND DEGRADABILITY**

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

**12.3. Bioaccumulative potential**

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Route of exposure	Exposure time	Value/unit	Result	Species	Source	Test method
Log Pow		> 3				

Contains component/components that can be bioaccumulated.

**12.4. Mobility in soil**

**MOBILITY**

Emulsable in water.

**12.5. Results of PBT and vPvB assessment**

**12.6. Other adverse effects**

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**GENERAL REGULATIONS**

Dump or destroy in accordance with official recommendations and applicable legislation.

**SECTION 14: Transport information**

Classified as Dangerous Goods:    **No**

**SECTION 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

#### SECTION 16: Other information

##### LIST OF RELEVANT R-PHRASES

R20/22	Harmful by inhalation and if swallowed.
R21/22	Harmful in contact with skin 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.
R43	May cause sensitisation by skin contact.
R50	Very toxic to aquatic organisms.
R52	Harmful to aquatic organisms.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

##### LIST OF RELEVANT H-STATEMENTS

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.
H302/332	Harmful if swallowed or if inhaled.