

**Productname :** ECO Pen Oil      **Creationdate :** 29.06.17 Version : 3.0  
**Ref.Nr.:** BDS000314\_3\_20170629 (EN)      **Replaces:** BDS000314\_20161209

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

### 1.1. Product identifier

**ECO Pen Oil**  
Bulk

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Lubricants

### 1.3. Details of the supplier of the safety data sheet

**CRC Industries Europe bvba**  
Touwslagerstraat 1  
9240 Zele  
Belgium  
Tel.: +32(0)52/45.60.11  
Fax.: +32(0)52/45.00.34  
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Subsidiaries		Tel	Fax
CRC Industries Finland Oy	Laurinkatu 57 A 23 B, 08100 Lohja	+358/(19)32.921	
CRC Industries France	6, avenue du marais, C.S. 90028, 95102 Argenteuil Cedex	01.34.11.20.00	01.34.11.09.96
CRC Industries Deutschland GmbH	Südtring 9, D-76473 Iffezheim	(07229) 303 0	(07229)30 32 66
CRC INDUSTRIES IBERIA S.L.U.	GREMIO DEL CUERO-PARC.96, POLIGONO INDUSTR. DE HONTORIA, 40195 SEGOVIA	0034/921.427.546	0034/921.436.270
CRC Industries Sweden	Laxfiskevägen 16, 433 38 Partille	0046/31 706 84 80	0046/31 27 39 91

### 1.4. Emergency telephone number

**CRC Industries Europe, Belgium:** Tel.: +32(0)52/45.60.11 (office hours)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008

**Physical:** Flammable liquid, category 3  
Flammable liquid and vapour.

Classification is based on test data.

**Health:** Skin irritation, category 2



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Causes skin irritation.  
 Eye irritation, category 2  
 Causes serious eye irritation.  
 Specific target organ toxicity - single exposure, category 3  
 May cause drowsiness or dizziness.

Classification based on calculation method.

**Environment:** Hazardous to the aquatic environment, chronic category 3  
 Harmful to aquatic life with long lasting effects.

Classification based on calculation method.

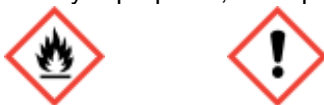
**Other hazards :** Not classified

## 2.2. Label elements

### Labelling according to Regulation (EC) No 1272/2008

**Product identifier:** Contains:  
 1-methoxy-2-propanol; monopropylene glycol methyl ether

**Hazard pictogram(s):**



**Signal word:** Warning

**Hazard statement(s):** H226 : Flammable liquid and vapour.  
 H315 : Causes skin irritation.  
 H319 : Causes serious eye irritation.  
 H336 : May cause drowsiness or dizziness.  
 H412 : Harmful to aquatic life with long lasting effects.

**Precautionary statement(s):** P102 : Keep out of reach of children.  
 P210 : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P261 : Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P271 : Use only outdoors or in a well-ventilated area.  
 P280 : Wear protective gloves/protective clothing/eye protection/face protection.  
 P403/233 : Store in a well-ventilated place. Keep container tightly closed.  
 P501-2 : Dispose of contents/container to an authorised waste collection point.

## 2.3. Other hazards

No information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable.

### 3.2. Mixtures

Hazardous ingredient	Registration	CAS-	EC-	w/w	Hazard Class and Hazard statement	Notes
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	number	nr.	nr	%	Category		
1-methoxy-2-propanol; monopropylene glycol methyl ether	01-2119457435-35	107-98-2	203-539-1	25-50	Fam. Liq. 3, STOT SE 3	H226,H336	A
3-butoxypropan-2-ol; propylene glycol monobutyl ether	01-2119475527-28	5131-66-8	225-878-4	25-50	Eye Irrit. 2, Skin Irrit. 2	H319,H315	
Amines, C12-16-alkyldimethyl	01-2119970968-14	68439-70-3	270-414-6	<1	Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 1	H302,H314,H318,H400,H410	
reaction mass of: 4-[(3-decyloxypropyl)(3-isobutoxy-1-isobutoxycarbonyl-3-oxopropyl)amino]-4-oxobutyric acid; 4-[(3-isobutoxy-1-isobutoxycarbonyl-3-oxopropyl)(3-octyloxypropyl)amino]-4-oxobutyric acid	01-0000017024-81	-	423-750-4	<2.5	Eye Irrit. 2, Aquatic Chronic 2	H319,H411	

**Explanation notes**

A : substance with Community workplace exposure limit

(\* Explanation phrases : see chapter 16)

**SECTION 4: First aid measures****4.1. Description of first aid measures**

<b>Contact with eyes :</b>	If substance has got into eyes, immediately wash out with water for at least 15 minutes Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if irritation persists
<b>Contact with skin :</b>	Remove contaminated clothing immediately and drench affected skin with plenty of water Wash with water and soap. Seek medical attention if irritation persists
<b>Inhalation :</b>	Fresh air, keep warm and at rest. Seek medical attention if ill effects occur
<b>Ingestion :</b>	If swallowed do not induce vomiting Seek medical advice

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

<b>Inhalation :</b>	Excessive inhalation of solvent vapours may give rise to nausea, headaches and dizziness
<b>Ingestion :</b>	May cause gastrointestinal disturbances Symptoms : sore throat, abdominal pain, nausea, vomiting
<b>Skin contact :</b>	Irritating to skin Symptoms : redness and pain
<b>Eye contact :</b>	Irritating to eyes Symptoms : redness and pain, impaired vision

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

**General Advice :** If you feel unwell, seek medical advice (show the label where possible)  
If symptoms persist always call a doctor



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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

foam, carbon dioxide or dry agent

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

May form explosive vapour/air mixtures  
Forms hazardous decomposition products  
CO,CO2

### 5.3. Advice for firefighters

Keep container(s) exposed to fire cool, by spraying with water  
In case of fire, do not breathe fumes

## SECTION 6: Accidental release measures

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

Shut off all ignition sources  
Ensure adequate ventilation  
Wear suitable protective clothing including eye/face protection.

### 6.2. Environmental precautions

Do not allow to enter public sewers and watercourses

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

Absorb spillage in suitable inert material

### 6.4. Reference to other sections

For further information see section 8

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Keep away from heat and sources of ignition  
Take precautionary measures against static discharges  
Equipment should be earthed  
Use explosion-proof electrical/ventilating/lighting/.../equipment.  
Use only non-sparking tools.  
Do not breathe aerosols or vapours.



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Ensure adequate ventilation  
 Avoid contact with skin and eyes.  
 Wash thoroughly after use  
 Wear protective gloves/protective clothing/eye protection/face protection.  
 Eyewash bottles should be available

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

Keep container tightly closed, in a cool, well ventilated place.  
 Keep out of reach of children.

## 7.3. Specific end use(s)

Lubricants

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limits :

Hazardous ingredient	CAS-nr.	method	
<b>EU established exposure limits:</b>			
1-methoxy-2-propanol; monopropylene glycol methyl ether	107-98-2	TWA	100 ppm
		STEL	150 ppm
<b>National established exposure limits, United Kingdom</b>			
1-methoxy-2-propanol; monopropylene glycol methyl ether	107-98-2	TWA	100 ppm
		STEL	150 ppm

### 8.2. Exposure controls

<b>Control procedures :</b>	Ensure adequate ventilation Keep away from heat and sources of ignition Take precautionary measures against static discharges
<b>Personal protection :</b>	Take precautions to avoid contact with skin and eyes when handling the product. Ensure adequate ventilation
<b>inhalation :</b>	In case of insufficient ventilation, wear suitable respiratory equipment.
recommended respiratory protection:	Air purifying respirator equipped with organic gas/vapor cartridge (type A)
<b>hands and skin :</b>	When handling the product wear chemical-resistant gloves (standard EN 374). The breakthrough time of the glove should be longer than the total duration of product use. If work lasts longer than the breakthrough time, gloves should be changed part-way through.
Recommended gloves:	Nitrile
<b>eyes :</b>	Wear safety eyewear according to EN 166.

## SECTION 9: Physical and chemical properties



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

**Apperance : physical state :** Liquid.  
**colour :** Amber.  
**odour :** Neutral.  
**pH :** Not applicable.  
**Boiling point/range :** Not available.  
**Flash point :** 37 °C  
**Evaporation rate :** Not available.  
**Explosion limits : upper limit :** Not available.  
**lower limit :** Not available.  
**Vapour pressure :** Not available.  
**Relative density :** 0.899 g/cm3 (@ 20°C).  
**Solubility in water :** Partly soluble in water  
**Auto-ignition :** >200 °C  
**Viscosity :** Not available.

### 9.2. Other information

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No hazardous reactions known if used for its intended purpose

### 10.2. Chemical stability

Stable

### 10.3. Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose

### 10.4. Conditions to avoid

Avoid overheating

### 10.5. Incompatible materials

Strong oxidising agent

### 10.6. Hazardous decomposition products

CO,CO2

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects



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**acute toxicity:** based on available data the classification criteria are not met  
**skin corrosion/irritation:** Causes skin irritation.  
**serious eye damage/irritation:** Causes serious eye irritation.  
**respiratory or skin sensitisation:** based on available data the classification criteria are not met  
**germ cell mutagenicity:** based on available data the classification criteria are not met  
**carcinogenicity:** based on available data the classification criteria are not met  
**toxicity for reproduction:** based on available data the classification criteria are not met  
**STOT-single exposure:** May cause drowsiness or dizziness.  
**STOT repeated exposure:** based on available data the classification criteria are not met  
**aspiration hazard:** based on available data the classification criteria are not met

#### Information on likely routes of exposure:

**Inhalation :** Inhalation of solvent vapours may give rise to nausea, headaches and dizziness  
**Skin contact :** Irritating to skin  
**Eye contact :** Irritating to eyes

#### Toxicological data :

Hazardous ingredient	CAS-nr.	method	
1-methoxy-2-propanol; monopropylene glycol methyl ether	107-98-2	LD50 oral rat	4016 mg/kg
		LC50 inhal.rat	27596 mg/l
		LD50 derm.rabit	2000 mg/kg
3-butoxypropan-2-ol; propylene glycol monobutyl ether	5131-66-8	LD50 oral rat	3300 mg/kg
		LC50 inhal.rat	651 mg/l
		LD50 derm.rat	> 2000 mg/kg

## SECTION 12: Ecological information

### 12.1. Toxicity

Hazardous to the aquatic environment, chronic category 3  
 Harmful to aquatic life with long lasting effects.

#### Ecotoxicological data:

Hazardous ingredient	CAS-nr.	method	
1-methoxy-2-propanol; monopropylene glycol methyl ether	107-98-2	LC50 fish	6812 mg/l
		EC50 daphnia	23300 mg/l
3-butoxypropan-2-ol; propylene glycol monobutyl ether	5131-66-8	IC50 algae	> 1000 mg/l
		LC50 fish	560-1000 mg/l
		EC50 daphnia	> 1000 mg/l

### 12.2. Persistence and degradability



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Readily biodegradable - OECD 301B

### 12.3. Bioaccumulative potential

No experimental data available

### 12.4. Mobility in soil

Partly soluble in water

### 12.5. Results of PBT and vPvB assessment

No information available

### 12.6. Other adverse effects

No experimental data available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Product :** This material and its container must be disposed of in a safe way.  
Do not discharge into drains or the environment, dispose to an authorised waste collection point.

**Contaminated packaging :** Disposal should be in accordance with local, state or national legislation

## SECTION 14: Transport information

### 14.1. UN number

UN-number : 1993

### 14.2. UN proper shipping name

Proper shipping name: FLAMMABLE LIQUID, N.O.S.

### 14.3. Transport hazard class(es)

Class: 3  
ADR/RID - Classification code: F1

### 14.4. Packing group

Packing group: III

### 14.5. Environmental hazards





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ADR/RID - Environmentally hazardous: No  
IMDG - Marine pollutant: No  
IATA/ICAO - Environmentally hazardous: No

#### 14.6. Special precautions for user

ADR/RID - Tunnelcode: (D/E)  
IMDG - Ems: F-E, S-E  
IATA/ICAO - PAX: 355  
IATA/ICAO - CAO: 366

#### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable.

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

The Safety Data Sheet is compiled according to the current European requirements.  
Regulation (EC) No 1907/2006 (REACH)  
Regulation (EC) No 1272/2008 (CLP)

#### 15.2. Chemical safety assessment

No information available

### SECTION 16: Other information

\*Explanation hazard statements: H226 : Flammable liquid and vapour.  
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.  
H336 : May cause drowsiness or dizziness.  
H400 : Very toxic to aquatic life.  
H410 : Very toxic to aquatic life with long lasting effects.  
H411 : Toxic to aquatic life with long lasting effects.

REVISIONS IN CHAPTRE : Classification according to Regulation (EC) No 1272/2008  
Labelling according to Regulation (EC) No 1272/2008  
8.2. Exposure controls

acronyms and synonyms: TWA = time weight average  
STEL = short time exposure limit  
VOC = volatile organic compounds  
PBT = persistant bioaccumulative toxic  
vPvB = very persitant very bioaccumulative



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This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation.

The information contained herewith is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It does not guarantee any specific properties.

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