



## 2. Hazards identification

### 2.1 Classification of the substance or mixture

*Classification under Regulation (EC) No. 1272/2008 (CLP)*

No classification

*Most important adverse physicochemical, human health and environmental effects*

Substance is not classified as hazardous.  
See also section 2.3.

### 2.2 Label elements

*Label elements according to Regulation (EC) No. 1272/2008 (CLP)*

Not relevant, substance is not classified as hazardous.

### 2.3 Other hazards

*PBT (Persistent, Bioaccumulative and Toxic) or vPvB (very Persistent and very Bioaccumulative) criteria*

Substance does not meet the criteria to be considered PBT neither vPvB

*Other hazards*

Eye contact: May cause minor eye irritation.

Skin Contact: Prolonged or repeated contact is not likely to cause significant skin irritation. If the material is encountered at elevated temperatures, thermal burns are possible.

Inhalation: Negligible unless heated to produce vapors. Vapors produced by heating, or finely misted materials may irritate the mucous membranes and cause dizziness, and nausea.

Ingestion: No hazards anticipated from incidental ingestion to industrial exposure.

## 3. Composition/information on ingredients

### 3.1 Substances

Chemical identity of the main constituent of the substance

<i>Main constituent</i>	
EC name:	Rape Oil
EC number:	232-299-0
CAS number (EC inventory):	8002-13-9

Description:	The substance is obtained by pressing and oil extraction from natural rape seeds. The crude rape oil is semi-refined via acidulation and neutralization steps. The main fatty acid chains lengths focused on C16, C18 and C18 unsatd.
Molecular formula:	UVCB substance, not univocal molecular formula available
Molecular weight range:	836 g/mol

*Chemical identity of any relevant impurity, stabilizing additive, or individual constituent other than the main constituent*

None.

### **3.2 Mixtures**

Not relevant as substance is not a mixture.

## **4. First aid measures**

### **4.1 Description of first aid measures**

#### *First aid instructions*

##### GENERAL ADVICE:

In case of accident or if you feel unwell, seek medical advice immediately (if possible, identify the substance to the medical staff).

##### EYES

Irrigate eyes with a heavy stream of water for at least 15 to 20 minutes. Seek medical attention if symptoms persist (burning sensation in the eye, etc.).

##### SKIN

Remove all contaminated clothes and footwear unless stuck to skin. Wash with plenty of soap and water.

##### INHALATION

Remove casualty from exposure ensuring one's own safety whilst doing so; seek medical attention if symptoms persist.

##### INGESTION

Do not induce vomiting. Wash out mouth with water and drink plenty of water, approx. 0,5l. If gastrointestinal symptoms develop, consult medical personnel. (Never give anything by mouth to an unconscious person).

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

- Eye Contact: May cause minor eye irritation.
- Skin Contact: Prolonged or repeated contact is not likely to cause significant skin irritation. Material is sometimes encountered at elevated temperatures. Thermal burns are possible.
- Inhalation: Negligible unless heated to produce vapours. Vapours or finely misted materials may irritate the mucous membranes and cause irritation, dizziness, and nausea. Remove to fresh air.
- Ingestion: No hazards anticipated from ingestion incidental to industrial exposure.

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

Not relevant for this substance.

**5. Fire fighting measures****5.1 Extinguishing media***Extinguishing media*Appropriate extinguishing media.

Dry chemical powder, alcohol resistant foam, halon (may not be permissible in some countries), CO<sub>2</sub>, water spray (fog).

Unsuitable extinguishing media

Water stream may splash the burning liquid and spread fire

**5.2 Special hazards arising from the substance or mixture***Special hazards*

In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

Rape oil soaked rags or spill absorbents (i.e. oil dry, polypropylene socks, sand, etc.) can cause spontaneous combustion if stored near sparks or combustibles and not handled properly.

**5.3 Advice for firefighters***Advice for firefighters*

Fire-fighters should use self-contained breathing apparatus to avoid exposure to smoke and vapours. Wear protective clothing to prevent contact with skin and eyes.

Protective equipment

Fire-resistant clothing, self-contained breathing apparatus

Additional information

Flammable Class IV. according to ČSN 650201

## 6. Accidental release measures

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

#### 6.1.1 For non-emergency personnel

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

Prevent contamination of clothes and shoes; avoid contact with the skin and eyes. When handling rape oil wear protective gloves.

Prevent any leak in tanks and pipes. In case of spillage, remove any sources of ignition and keep the spilled liquid into the smallest possible area. Cover the area with spilled product with an absorbent (sawdust or sand).

#### 6.1.1 For emergency responders

##### *Advice for firefighters*

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

### 6.2 Environmental precautions

##### *Environmental precautions*

Do not discharge into drains, sewerage or rivers.

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

#### 6.3.1 Spill containment

Stop the leaking of material if possible. Remove any source of ignition near the spilled material. Reduce the spilled material to the smallest possible area.

#### 6.3.2 Spill clean-up

Pick up small spills with absorbent materials such as paper towels, "Oil Dry", sand or dirt and dispose of properly to avoid spontaneous combustion. Recover large spills for treatment and re-use or disposal. Wash hard surfaces with safety solvent or detergent to remove remaining oil film. The greasy nature of this film will result in a slippery surface.

#### 6.3.3 Other information

Not relevant for this substance

### 6.4 Reference to other sections

##### *Reference to other sections*

See also sections 8 and 13

## 7. Handling and storage

### 7.1 Precautions for safe handling

Note: Substance **Rape Oil** is not classified as hazardous according to the criteria of CLP Regulation (EC) No. 1272/2008. Specific Risk Management Measures are therefore not required. Nevertheless, the exposure of workers during and after normal operations should be minimized by the use of good industrial hygiene practice.

#### 7.1.1 Recommendations for safe handling

Use safety gloves when handling to avoid direct contact with the substance.

#### 7.1.2 Occupational hygiene advice.

Do not eat, drink or smoke in work areas; wash hands after use; and remove contaminated clothing and protective equipment before entering eating areas.

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

#### Safe storage conditions

Store in well ventilated area. Keep away from sources of ignition, oxidizing agents, excessive heat and direct sunlight. Keep container tightly closed. Protect from frost. Store at +10°C to +25°C.

### 7.3 Specific end use(s)

#### Reference to other sections

See section 1.2

## 8. Exposure controls/personal protection

### 8.1 Control parameters

#### Control parameters

Exposure limits are not established.

### 8.2 Exposure controls

#### 8.2.1 Appropriate engineering controls

Not established

**8.2.2 Individual protection measures****RESPIRATORY PROTECTION:**

If vapours or mists are generated, wear a NIOSH approved organic vapour/mist respirator.

**PROTECTIVE CLOTHING:**

Safety glasses, goggles, or face shield recommended to protect eyes from mists or splashing. PVC coated gloves recommended to prevent skin contact.

**OTHER PROTECTIVE MEASURES:**

Employees must practice good personal hygiene, washing exposed areas of skin several times daily and laundering contaminated clothing before re-use.

**8.2.3 Environmental exposure controls**

Prevent product from entering drains. Is not allowed to pour any amount of the product to the sewerage or water pipes.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties***Overview of physicochemical properties*

Appearance	Green/yellow liquid oil
Odour	Mild
Odour threshold	N/A
pH	N/A
Melting point/freezing point	-9°C
Initial boiling point and boiling range	N/A
Flash point	> 225°C
Evaporation rate	N/A
Flammability	According to EC 1272/2008 (CLP): Not flammable According to ČSN 65 0201 – Flammable liquid Class IV.
Upper/lower flammability or explosive limits	N/A
Vapour pressure	N/A
Vapour density	N/A

<i>Overview of physicochemical properties</i>	
Relative density	approx. 0.915 g/cm <sup>3</sup> at 20°C
Solubility(ies)	Practically insoluble in water Largely soluble in organic solvents
Auto-ignition temperature	approx. 400°C
Decomposition temperature	N/A
Viscosity	80 mm <sup>2</sup> /s at 20°C
Explosive properties	Not explosive.
Oxidising properties	Not oxidizing.

## **9.2 Other information**

<i>Other information</i>
N/A

## **10. Stability and reactivity**

### **10.1 Reactivity**

<i>Reactivity hazards</i>
This product is stable and hazardous reaction will not occur under the recommended conditions for handling and storage.

### **10.2 Chemical stability**

<i>Chemical stability</i>
The substance is stable under normal ambient and hazardous polymerization reaction will not occur under the recommended conditions for handling and storage.

### **10.3 Possibility of hazardous reactions**

<i>Possibility of hazardous reactions</i>
See 10.6

### **10.4 Conditions to avoid**

<i>Conditions to avoid</i>
See 10.5



**10.5 Incompatible materials***Incompatible materials*

Strong oxidizing agents. Strong bases.

**10.6 Hazardous decomposition products***Hazardous decomposition products*

Combustion produces carbon monoxide, carbon dioxide along with thick smoke.

**11. Toxicological information****11.1 Information on toxicological effects***Information on the following hazard classes: Rape oil*

<i>Hazard class</i>		<i>Result</i>	<i>Test method</i>
Acute toxicity	Oral:	N/A	
	Dermal :	N/A	
Skin corrosion/irritation;		N/A	
Serious eye damage/irritation;		N/A	
Sensitisation;	Respiratory sensitisation	No information but no respiratory sensitisation is expected.	
	Skin sensitisation;	N/A	
Germ cell mutagenicity;	Reverse gene mutation assay	N/A	
	In vitro cytogenicity test	N/A	
	In vitro mammalian cell mutation test.	N/A	
Carcinogenicity;		N/A	
Reproductive toxicity;	Developmental effects	N/A	
	Fertility effects		
STOT-single exposure;		No information	No information
STOT-repeated exposure;		N/A	
Aspiration hazard.		No information	No information

*CMR (Carcinogenic, Mutagenic and Repro-toxic) properties assessment*

N/A

*The effects of the substance via each possible route of exposure*

See section 2 for effects of the substance.

*Potential adverse health effects and symptoms*

See section 2 for effects of the substance.

*Information on whether delayed or immediate effects*

See section 2 for effects of the substance.

*Interactions*

None expected.

*Other information*

See section 2 for effects of the substance

**12. Ecological information**

**12.1 Toxicity**

N/A

**12.2 Persistence and degradability**

N/A

**12.3 Bioaccumulative potential**

N/A

**12.4 Mobility in soil**

N/A

**12.5 Results of PBT and vPvB assessment**

Substance is not considered PBT either vPvB.

**12.6 Other adverse effects**

N/A

### 13. Disposal considerations

#### 13.1 Waste treatment methods

##### *Waste treatment methods*

Disposal of wastes and residues must be in accordance with applicable waste legislation (185/2001 Coll. Act on Waste). Wastes can be disposed of only by authorized personnel.

It is not allowed pouring any amount of the substance into the sewerage network and waters. If this happens, use flotation barriers to prevent the spread of oil in the water.

Provide the contaminated absorbents to a specialized company for disposal. Due to biodegradability, contaminated absorbent materials may be stored on approved landfills.

### 14. Transport information

#### Transport information for Rape oil

##### Land transport (ADR/RID/)

UN number	Not classified
Class	Not classified
Classification code	Not classified
Packaging group	Not classified
Labels	Not classified

##### Inland waterway transport (AND(R))

UN number	Not classified
Class	Not classified
Classification code	Not classified
Packaging group	Not classified
Labels	Not classified

##### Marine transport (IMDG)

UN number	Not classified
Proper shipping name and description	Not classified
Chemical name	Not classified
Class	Not classified

Packaging group	Not classified
EmS number	Not classified
Labels	Not classified
Marine pollutant	Not classified
Air transport ICAO/IATA	
UN number	Not classified
Proper shipping name and description	Not classified
Chemical name	Not classified
Class	Not classified
Packaging group	Not classified
Labels	Not classified

## 15. Regulatory information

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

*Specific safety, health and environmental regulations/legislation for the substance.*

**IATA** - International Air Transport Association

**RID** - Regulations for international rail transport of dangerous goods.

**ADR** - European Agreement concerning international carriage of dangerous goods by road.

**ČSN 650201** - Flammable liquids. Plants and warehouses.

**Gov. Regulation no. 361/2007 Coll.**, laying down conditions for the protection of health of workers at work as amended.

**Act no. 201/2012 Coll.** on Air Protection, as amended.

**Act no. 350/2011 Coll.** on chemical substances and mixtures, and amending certain laws (Chemical Law)

**Decree no. 93/2016 Coll.** on waste catalogue

**Act no. 111/1994 Coll.** on road transport, as amended

**Act no. 185/2001 Coll.** on wastes, as amended

**Act no. 254/2001 Coll.** on waters, as amended

**EC Regulation no. 1907/2006** Registration, evaluation, authorization and restriction of chemicals, establishing a European Chemicals Agency (REACH)

**EC Regulation no. 453/2010.** Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH - MSDS)

**EC Regulation no. 1272/2008** on classification, labelling and packaging of substances and mixtures (CLP)

**15.2 Chemical safety assessment***Chemical Safety Assessment*

Exempted under REACH registration, no chemical assessment required

**16. Other information**

**ATTENTION: This safety data sheet reflects our present knowledge and describes the product as to its safety requirements. It does not assure any characteristics but gives recommendations for safe storage and handling measures. Receivers have to observe any legal regulation in their own responsibility.**

*SDS revision information*

First edition of the document: Revision 0 from 25. 1. 2013 - Document Edition version MSDS  
 Second edition of the document: Revision 1 from 31. 5. 2015 - Document Edition version MSDS  
 Third edition of the document: revision 2 from 26. 8. 2016 - document edition in MSDS version

*Key/Abbreviations*

CSA: Chemical Safety Assessment

PBT: Substance with Persistent, Bioaccumulative and Toxic properties.

vPvB: Substance with very Persistent and very Bioaccumulative properties.

*Key References*

ECHA - European Chemical Agency - Information on chemicals  
<http://echa.europa.eu/information-on-chemicals>

*Classification information for mixtures*

Not relevant

*List of relevant hazard statements and/or precautionary statements.*

Not relevant. Described in Sections 2 to 15.

*Advice on appropriate training for employees*

Regular training in the scope safety handling, health and environment.