



MATERIAL SAFETY DATA SHEET

According to Regulation (EC) No 1272 of 2008 and
Regulation (EC) No 1907/2006 (REACH), as amended by Regulation (EC) 2017/1510

Organic Castor Oil

Version 01

Date of compilation: 15.10.2019

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

1.1. Product Identifiers

Product name	:	Organic Castor Oil
Substance name (INCI)	:	RICINUS COMMUNIS SEED OIL
REACH Registration No	:	-
CAS No	:	8001-79-4
EO No	:	232-293-8
Biological origin	:	The ricin oil is extracted by pressing the seeds of Ricinus Communis. Organic vegetable oil extracted using the method of cold pressing.

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

Use of substance/mixture	:	Used by itself in perfumery and cosmetics or as a formulation constituent as a part of composition.
Recommended restrictions on use	:	No data available

1.3. Details of the supplier of the safety data sheet

Manufacturer	:	ALTEYA ORGANICS LLC
Mailing address/Postal code	:	6167, village of Yagoda, 1, Rozovarna St.
Country identifier/ Postal code/city or town	:	Bulgaria
Telephone/Mobile/Fax	:	+359 700 15 502

E-mail of the competent person responsible for the Safety Data Sheet : salesbg@alteya.com



National contact person : Kaloyan Stoev

1.4. Emergency telephone number

Clinic of Toxicology at MPHATEM N.I. Pirogov
Emergency telephone number: 02 9154409; (regular working time, Saturdays and Sundays excluded) or 02 9154 346 (24h service, all week)
e-mail: poison_centre@mail.orbitel.bg
<http://www.pirogov.net>

2. Hazards Identification

2.1. Classification of the substance or mixture

2.1.1. Classification according to Regulation (EU) No 1272/2008 (CLP)

According to Regulation (EC) 1272/2008 the substance is not classified as hazardous.

2.1.2. Additional information: For full text of hazard statements and EU specific hazard statements: see SECTION 16.

2.2. Label Elements

Designation according Regulation (EC) No 1272/2008 [CLP]: Not required

Signal word: Not required

2.3. Other hazards

No other information available.

The substance meets vPvB criteria according to Regulation (EC) No 1907/2006, Annex XIII

3. Composition/information on ingredients

It consists predominantly of the glycerides of the ricinoleic fatty acid

3.1. Substances/ Mixture

Chemical name	CAS №	EINECS/ ELINCS№	Concentration/ Concentration limits (w/w%)	Classification Regulation (EC) No 1272 of 2008r.
Ricinus Communis Seed Oil	8001-79-4	232-293-8	100.0	-

4. First Aid Measures

4.1. Description of first aid measures



- General notes : Remove the contaminated clothing.
- Following inhalation : In case of inhalation of decomposition products the affected person should be removed to fresh air and immobilized. In case of doubt or when the symptoms persist seek medical advice.
- Following skin contact : Wash the skin with plenty of water and soap
- Following eye contact : Immediately start rinsing the eyes with plenty of water and continue at least 5 min. Remove contact lenses. In case the irritation persists seek medical advice.
- Following ingestion : Rinse your mouth. In case you feel unwell call a physician.
- Self-protection of first aid provider : No data available.

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

- Symptoms : Gastrointestinal complaints
- Effects : Diarrhoea

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

- Treatment : No other information available

5. Fire-fighting Measures

5.1. Extinguishing media

- Suitable extinguishing media : Water jet, foam, dry extinguishing powder. carbon dioxide (CO₂).
- Unsuitable extinguishing media : Do not use direct water jet on burning material.



5.2. Special hazards arising from the substance or mixture

Hazardous combustion products	:	In case of fire and/or explosion do not breathe the vapors.
Specific hazards during fire-fighting	:	Flammable. The vapors may form explosive mixtures with air.

5.3. Advice for firefighters

Special protective equipment for firefighters	:	Wear protective clothing, use self-contained breathing apparatuses.
Additional data	:	Fight fire applying the usual precautionary measures from an appropriate distance.

6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For personnel not responsible for emergencies

Emergency procedures	:	Remove all possible sources of ignition.
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6.1.2. For the persons responsible for emergencies

Wear personal protective equipment. Special danger of slipping because of leakage / spillage of product. For personal protection see SECTION 8.

6.2. Environmental precautions

Environmental precautions	:	Avoid discharge in sewer system, surface and groundwater. In case the sewer system and the water sources are contaminated, inform the local emergency services.
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6.3. Methods and materials for containment and cleaning up

6.3.1. For containment	:	Cover the spillage.
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6.3.2. For cleanup : Use absorbent material (soil, sand or other Inert material). Collect and seal in appropriately labeled containers or barrels for disposal. Clean thoroughly contaminated areas with detergent and water, in order to avoid slippage / falling.

6.3.3. More information : No data available.

6.4. Reference to other sections

For hazardous products originating from burning: see Section 5. For personal protective equipment: see Section 8. For incompatible materials: see Section 10. For disposal considerations: see Section 13.

7. Handling and Storage

7.1. Precautions for safe handling

Precautions : Wear protective equipment to avoid skin and eye contact and vapor inhalation.

Fire-fighting measures : Keep away from heat. Keep away from ignition sources.

Measures to avoid the transformation into aerosols and powder : Use adequate ventilation.

Advice on general occupational hygiene : Wash your hands before breaks and at the end of the working day. Avoid skin and eye contact.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions : Store in cool, dry and well ventilated premises, protected from direct sun light. Protect from freezing. Store in tightly closed containers at temperature 15 – 24°C

Packing materials : Always store in packings preserving the integrity



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and quality of the product.

Storage class : No data available

Additional information for

storage conditions : Follow the advices concerning combined storage.
Do not store near heat sources, open flames,
strong acids and alkalis.

Requirements to storage areas and containers : Store only in the original packings.

Recommendations for protection from fire and explosions : Keep away from heat or ignition sources.

Class of dust explosion : No information available

Recommendations for primary storage : When not in use keep the containers closed – regularly check them for leakage. To minimize the product decomposition avoid its prolonged exposure of the material to air.

It is recommended to follow the requirements concerning packing and storage according ISO/TS 210:2014.

7.3. Specific end use(s)

Recommendations : No data available.

Solutions specific to the industry sector : No data available.

Specific use(s) : Used in perfumery and cosmetics by itself or as a formulation constituent, as a part of composition.



8. Exposure controls/Personal protection equipment

8.1. Control parameters

Occupational exposure limits are determined on the basis of data base of international limit values GESTIS

Other occupational exposure limits

(Additional) information : Doesn't contain substances characterized by occupational exposure limits.

Information on monitoring procedures

Relevant DNEL-/DMEL-/PNEC and other threshold levels

8.2. Exposition controls

8.2.1. Appropriate engineering control

Measures related to the substance/mixture to prevent exposure during identified uses :

The description of the appropriate exposition control measures refer to the specified in subsection 1.2 identified uses of the substance or the mixture. This information is sufficient to make it possible for the employer, when appropriate, to assess the risk caused by the presence of the substance or the mixture for the health and safety of employees according articles 4—6 of Directive 98/24/EC and articles 3—5 of Directive 2004/37/EC.

This information supplements the information presented in SECTION 7.

8.2.2. Personal protective equipment:





8.2.2.1.Eyes and face protection: Wear approved goggles. (EN 166).

8.2.2.2.Skin protection

Hand protection: Wear chemical resistant gloves (PVC), to avoid skin contact. DIN/EN 374.

Other skin protection: Wear appropriate clothing to avoid any skin contact.

8.2.2.3.Respiratory tract protection

: Usually no personal protection of breathing is required. Respirator protecting from vapors. Type: A (protecting from organic gases and vapors with boiling point > 65 °C, color code: brown).

8.2.2.4. Thermal hazards : No data available.

8.2.3.Environmental exposure controls

: Avoid contamination of sewer systems, surface and groundwater.

Measures related to substance/ mixture required to avoid exposition

: No data available.

Training measures related to the avoiding of exposition

: The training of the staff is organized according a company schedule.

Organization measures to avoid exposition

: Training of staff

Technical measures to avoid exposition

: Training of staff

Exposition controls

Basic guidelines : Do not wash-off in surface waters



9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	:	Clear, nearly colorless viscose liquid
Color	:	colorless to light yellow
Odor	:	neutral, fatty odor
Taste	:	slightly peppery
Odor threshold	:	No data from our supplier on this matter
pH	:	No data available
Acidity value, KOH/g	:	0,56
Iodine value, KOH/g	:	89,0
Hydroxyl number, KOH/g	:	160
Acetyl value	:	144-150
Saponification number	:	181
Contains free fatty acids in %	:	0,22
Moisture content in %	:	0,18
Melting point	:	-12°C
Freezing point	:	-10°C
Boiling point	:	313°C
Self-ignition point	:	449°C
Boiling point / Boiling period	:	No data available
Flash point in °C	:	220°C



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Evaporation rate : < 1 (n-butyl acetate = 1)

Flammability
(solid body, gas) : No data available

Upper flammability/
explosion limit : No data available

Lower flammability/
explosion limit : No data available

Vapor pressure : No data available

Density of vapors : > 1

Solubility(ies) : in water (<1 mg/ml at 20°C; in organic solvents; in 95% ethanol (≥100mg/ml at 20°C; in methanol – mixable; in acetone (≥100mg/ml at 20°C).
Mixable in absolute alcohol, glacial acetic acid, chloroform and ether.

Partition coefficient
n-octanol/water : No data available

Decomposition temperature : >300 °C

Viscosity at 37°C, cps : 283

Explosivity : No data available

Oxidizing properties : No data available

Other information

Refractive index
at 20°C : 1,472 - 1.4784

Relative humidity
at 20°C : 0,950 – 0,975

Optical rotation : +3,5°



Basic components of fatty acids:

<i>C16:0 Palmitic acid</i>	<i>(up to 2.0%)</i>
<i>C18:0 Stearic acid</i>	<i>(0,8 to 7.0%)</i>
<i>C18:1 Oleic acid</i>	<i>(4.0 to 6.0%)</i>
<i>C18:2 Linoleic acid</i>	<i>(4.0 to 6.0%)</i>
<i>Ricinoleic acid</i>	<i>(80 to 87,0%)</i>

No other information available.

10. Stability and Reactivity

10.1. Reactivity

Note : In case of warming: the vapors may form explosive mixtures with air.

10.2. Chemical stability

Note : Prolonged light exposition may cause decomposition.

10.3. Possible hazardous reactions

Hazardous reactions : Vigorous reaction with strong oxidizers.

10.4. Conditions to avoid

Conditions to avoid : Protect from heat.

Thermal decomposition : Decomposition occurs at temperatures above: > 300°C.

10.5. Incompatible materials

Materials to avoid : Incompatible materials strong oxidizers, caustic – inorganic acids, amines - alkanolamines.

10.6. Hazardous decomposition products

Hazardous decomposition : Carbon dioxide and carbon oxide may be form in



11. Toxicological Information

11.1. Information on toxicological effects

Acute toxicity

Note : Not classified as acutely toxic.

Acute oral toxicity (LD50) : > 6400 mg / kg [rat]. External source.

Corrosion/Skin irritation

Note : Not classified as corrosive / irritating the skin, it may cause irritation.

Acute dermal toxicity (LD50) : > 2500 mg / kg [rabbit]. External source.

Serious damage/eye irritation

Note : May cause eye irritation.

Respiratory or skin sensitization

Note : Not classified as respiratory or skin sensitizer.

Ingestion

Note : Gastrointestinal complaints, diarrhoea.

Mutagenicity of germ cells

Note : Not classified

Carcinogenicity



Note : Not classified

Summary of the assessment of CMR properties

Note : Not classified

STOT (specific target organ toxicity) — single exposure

Note : No data available

STOT (specific target organ toxicity) — repeated exposure

Note : No data available

Aspiration hazard

Note : Breathing of vapors, mists or aerosols may cause irritation of the respiratory tract.

Information on possible routes of exposure

Note : No data available

Symptoms related to physical, chemical and toxicological characteristics - acute

Note : Toxicological characteristics are not comprehensively studied

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Note : Toxicological characteristics are not comprehensively studied

Interactions

Note : Toxicological characteristics are not comprehensively studied



Lack of specific data

Note : Toxicological characteristics are not comprehensively studied

Mixtures

Note : Toxicological characteristics are not comprehensively studied

Medical consideration

Note : Toxicological characteristics are not comprehensively studied

Other information

Note : The product is considered non-toxic and edible.

12. Ecological information

12.1. Toxicity – according Regulation (EC) 1272/2008: not classified as hazardous for aquatic environment.

Product:

Acute (short-term) toxicity:

Fish

Note : No data available

Toxic for Daphnia and other aquatic invertebrates

Note : No data available

Algae/aquatic plants

Note : No data available

Bacteria

Note : No data available

Chronic (long-term) toxicity:

Note : No data available



Fish

Note : No data available

Shellfish

Note : No data available

Algae/water plants

Note : No data available

Other organisms

Note : No data available

12.2. Persistence and degradability

Product:

Abiotic degradation

Note : No data available

Physical and photo-chemical elimination

Note : No data available

Biochemical degradation

Note : readily biodegradable

12.3. Bioaccumulation

Product : No data available

Partition coefficient n-octanol/water (log K_{ow})

Note : No data available

Bioconcentration factor (BCF)

Notes : Does not accumulate in biological environment

12.4. Mobility in soil



Product:

Known or predicted distribution in environmental components

Note : No data available

Surface tension

Note : No data available

Adsorption/desorption

Note : No data available

12.5. Results of PBT and vPvB assessment

This product doesn't contain substances considered very persistent or very bioaccumulative vPvB.

This product doesn't contain substances considered persistent, bioaccumulative or toxic PBT.

Product:

Results from PBT and vPvB assessment

Note : No data available

12.6. Other adverse effects

Product:

Biochemical oxygen demand (BOD)

Value : No data available

Chemical oxygen demand (COD)

Value : No data available

Additional ecological information

Note : No data available

12.7. Additional information

Notes : No data available



13. Disposal Considerations

13.1. Waste treatment methods

13.1.1. Disposal of product/packing

Codes/designation of waste according to LoW: -

Product	No data available.
Contaminated packaging material	No data available.
European Catalogue waste number	No waste code can be given to this product according to the European Waste Catalogue since it is related to its potential use. Waste code is given after consulting the regional waste Service
13.1.2. Information on waste treatment	Dispose according the local regulations on waste disposal
13.1.3. Information on discharge in sewer systems	: Do not discharge in sewer systems.
13.1.4. Other recommendations on waste disposal	: There aren't any.

14. Transport Information

Not applicable

14.1. UN number

Not applicable

14.2. UN proper shipping name



Air transport

IATA/CAO

The product is not hazardous in terms of transport regulations

15. Regulatory information

15.1. Legislation specific for the substance or mixture / safety, health and environmental regulations

Other regulations / Laws : This safety data sheet is consistent with the Law on Protection from Harmful Effects of Substances and Preparations and the Ordinance on the Classification, Packaging and Labelling

EU legislative acts : accordingly, EU regulations.

Permits or restrictions for use : No data available

Permits : Not required

Restrictions for use : No data available

Other EU legislative acts : According to the effective Regulations

Information according to Directive 1999/13/EC on the limitation of emissions of volatile organic compounds (VOC Guide)

Restrictions for use in working environment : No data available

Other legal acts, restrictions and prohibitive standards : No data available

15.2. Chemical Safety Assessment



No data available.

The supplier had not prepared a chemical safety assessment for this substance/mixture.

16. Other information

Shelf life 2 years at the recommended conditions of storage.

Classification and procedure used to obtain the classification of mixtures according to Regulation (EC) No 1272/2008 [CLP]

Abbreviations and acronyms:

Abbr.	Description of used abbreviations
ADN	Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement on the International Carriage of Dangerous Goods by Inland Waterways)
ADR	Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement on the International Carriage of Dangerous Goods by Road)
CAS	Chemical Abstracts Service (prepares the most comprehensive list of chemicals)
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (Classification, Labelling and Packaging)
CMR	Carcinogenic, mutagenic and toxic for reproduction (substance)
DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level
EINECS	European Inventory of Existing Commercial Chemical Substances
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" ", developed by the United Nations
IMDG	International Maritime Dangerous Goods Code
IOELV	Indicative occupational exposure limit value
MARPOL	International Convention on Prevention of Pollution from Ships (abbr. to "Marine Pollutant)
PBT	Persistent, bioaccumulative and toxic
PNEC	Predicted No-Effect Concentration
ppm	parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulation on Carriage of Dangerous Goods by Rail)
vPvB	very Persistent and very Bioaccumulative

Main references and sources of data in the literature

- Regulation (EC) No 1907/2006 (REACH), as amended by 2015/830/EC
- Regulation (EC) No 1272/2008 (CLP, EC GHS)

	List of relevant phrases (code and full text as defined in Section 2 and 3)
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Code	Text
-	-
	List of instructions on safe handling, used in the safety data sheet
-	-

Other information

:

In accordance with general product specification:
The information in this material safety data sheet is meant to represent typical data/analysis for this product and was obtained from current and reliable sources.
To the best of our knowledge, data is accurate and based on our knowledge and information, at the time of publication.

The information presented is intended only as a guidance for proper and safe use, handling, storage, transportation and disposal, and should not be considered a guarantee /expressed or implied/ or a quality specification with respect to the correctness or accuracy.

It is responsibility of the user to determine any safe conditions for use of this product, and to assume responsibility for any loss, injury, damage or expenses resulting from the improper use of this product.

The information relates to the specific product only and is not valid when used in combination with other materials or in any process, unless specified in the text.

The information provided does not constitute a delivery contract; regarding any specification or a given application, the buyer must determine for himself the requirements and recommendations for use of the product.

Disclaimer :

The data in this Safety Data Sheet correspond to the fair presentation of our experience at the time of printing. The information should give you basic guidelines for safe handling of this product, specified in the Safety Data Sheet, regarding its storage, processing, transport and disposal. Data cannot be assigned to other products.

If the product is mixed or processed with other materials, or if it is subject to processing, the data in this Safety Data Sheet



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cannot be assigned to the new material unless expressly stated otherwise.

The information provided is intended purely as a guidance for safe handling, usage, treatment, storage, transportation, disposal and discharge and should not be considered a guarantee or quality specification.

Due to the many factors beyond our control while using this product we cannot take responsibility for accidents, loss or damage, arising from its usage.

E N D!



LIST OF 26 ALLERGEN SUBSTANCES OF THE 7.AMENDMENT OF THE 76/768/CEE DIRECTIVE

Customer: ,, ALTEYA ORGANICS LLC, 1 ROSE FIELD STREET, 6167, VILLAGE OF YAGODA, STARA ZAGORA REGION

Name of product: Organic Castor Oil (RICINUS COMMUNIS SEED OIL)

	NAME OF SUBSTANCES	REMARK	CAS №	EINECS №	NATURAL %	SYNTHETIC %	TOTAL %
1	AMYL CINNAMAL	H317; H411	122-40-7	204-541-5	-	-	-
2	AMYLCINNAMYL ALCOHOL	H315; H317	101-85-9	202-982-8	-	-	-
3	ANISE ALCOHOL	H302; H318 H317	105-13-5	203-273-6	-	-	-
4	BENZYL ALCOHOL	H332; H302	100-51-6	202-859-9	-	-	-
5	BENZYL BENZOATE	H302	120-51-4	204-402-9	-	-	-
6	BENZYL CINNAMATE	H317; H411	103-41-3	203-109-3	-	-	-
7	BENZYL SALICYLATE	H317; H411	118-58-1	204-262-9	-	-	-
8	CINNAMAL	H312; H315 H317	104-55-2	203-213-9	-	-	-
9	CINNAMYL ALCOHOL	H317	104-54-1	203-212-3	-	-	-
10	CITRAL	H315; H317	5392-40-5	226-394-6	-	-	-
11	CITRONELLOL	H315; H317 H411	106-22-9	203-375-0	-	-	-
12	COUMARIN	H302; H317	91-64-5	202-086-7	-	-	-
13	EUGENOL	H319; H317	97-53-0	202-589-1	-	-	-
14	FARNESOL	H315; H319	4602-84-0	225-004-1	-	-	-
15	ALPHA-ISOMETHYL IONONE	H412	127-51-5	204-846-3	-	-	-
16	GERANIOL	H315; H317	106-24-1	203-377-1	-	-	-
17	HEXYL CINNAMAL	H317;	101-86-0	202-983-3	-	-	-
18	HYDROXYCITRONELLAL	H319; H317	107-75-5	203-518-7	-	-	-
19	ISOEUGENOL	H312; H302 H319; H315 H317	97-54-1	202-590-7	-	-	-
20	BUTYLPHENYL METHYLPROPIONAL (LILIAL)	H317	80-54-6	201-289-8	-	-	-
21	LIMONENE	H226; H315 H317; H411	5989-27-5	227-813-5	-	-	-
22	LINALOOL	H315	78-70-6	201-134-4	-	-	-
23	HYDROXYISOHEXYL 3-CYCLOHEXENE CARBOXALDEHYDE (LYRAL)	H317	31906-04-4	250-863-4	-	-	-
24	METHYL 2-OCTYNOATE	H302; H317	111-12-6	203-836-6	-	-	-
25	EVERNIA FURFURACEA LICHEN EXTRACT (TREEMOSS EXTRACT)	H317	90028-67-4	289-860-8	-	-	-
26	EVERNIA PRUNASTRI (OAK MOSS)	H317	90028-68-5	289-861-3	-	-	-

According to Regulation EO 1223/2009 n Directive 76/768/EEC is hereby amended as follows:

The presence of the substance must be indicated in the list of ingredients referred to in Article 6(1)(g) when its concentration exceeds:— **0,001 %** in “leave-on” products, (and)— **0,01 %** in “rinse-off” products