



Material safety data sheet

According to EU Regulation 1907/2006 in the current version

OAT OIL

1. Identification of the substance/mixture and company

Trade name: Oat Oil
I.N.C.I. Avena Sativa Kernel Oil
CAS No. : 68956-68-3
EINESCS No. : 273-313-5
REACH pre-registration No. : /
Utilization: Raw material for cosmetic or professional use
Supplier company identification: **Elemental SRL**, Piața Cazărmii no.15, 410188-Oradea, jud.Bihor, Romania
Tel/Fax: +40259-436.755, www.elemental.eu
Emergency: RO: număr național pentru cazuri de urgență: 021 3183606 Institutul de Sănătate Publică București.
International emergency number: +49 180 2273-112

2. Hazards Identification

2.1 Classification of the substance or mixture

Not classified as dangerous in relation to EC 1272/2008 and amendments.
GHS Classification in accordance with 29 CFR 1910.1200 (OSHA HCS).

2.2 Label elements

Not subject to labelling requirements according to EC 1272/2008.
GHS Classification in accordance with 29 CFR 1910.1200 (OSHA HCS).

3. Declaration of ingredients

3.1. Substances

Chemical description (mixture): Triacylglycerol

Material	C.A.S	EINECS	Risk Symbol	%
Vegetable oil (Avena Sativa Kernel Oil)	68956-68-3	273-313-5		100

3.2. Mixtures --

Further Information: --

4. First aid measures

4.1 General measures:

4.2 Upon inhalation:

Not a direct hazard. Remove from area of exposure; seek medical attention for coughing or choking.

4.3 Upon skin contact:

Not dangerous under normal conditions.

4.4 Upon eye contact:

Rinse thoroughly with a lot of water for some minutes.

4.5 Upon ingestion:

Not a direct hazard.



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4.6 Acute or delayed symptoms:
None

4.7 Medical or special treatment:
None

5. Fire fighting measures

5.1 Means of extinction

Dry fire extinguisher, carbon dioxide.
Water. But use water to cool fire exposed containers.

5.2 Special hazards arising from the substance or mixture

In case of insufficient ventilation, wear suitable respiratory equipment.
Combustion products: Irritation gases, carbon monoxide, carbon dioxide.

5.3 Recommendations for fire-fighters

According to size of fire. If necessary, full protection, gas mask with independent air supply.

6. Accidental release measures

6.1 Personal precautions, protective devices and emergency procedures

Be careful! Danger of sliding possible. Avoid contact with eyes.

6.2 Environmental precautions

Try to avoid spilling. Do not empty into drain. Restrict spill to smallest possible area.

6.3 Methods and materials for containment and remediation

Cover with absorbent material (e.g. universal binding material, paper towels, sand, siliceous earth). Remove sources of ignition.

7. Handling and storage

7.1 Precautions for safe handling

Keep away from sources of ignition - No smoking. Be careful!
Danger of sliding possible. Do not heat in microwave oven.
Avoid contact with eyes. Read the regulations on the label carefully.

7.2 Conditions for safe storage, including any incompatibilities

Store product only in closed original packaging. Keep in a cool and dark place. Keep away from heat.
Requirement for storage facilities and containers: Air and waterproof glass or plastic resin containers.



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Uncoated containers not suitable. Additional storage conditions remarks: The lower the storage temperature the better will be the storage stability. Temperature: Preferably below 10 °C.

7.3 Specific end uses

No data available

8. Exposure controls / personal protection

8.1 Control parameters

Additional remarks for technical equipment devices:

If necessary melt in water bath.

Exposure limits: N/A

8.2 Exposure controls

Measures for general protection and hygiene: Handle in accordance with industrial hygiene and safety practices.

Personal protection devices:

Respiratory protection: No special respirator needed.

Hand/skin protection: Wear suitable gloves and normal protection clothing or apron.

Eye protection: Eye security glasses, with side shields.

9. Physical and chemical properties

9.1 Information on physical and chemical properties

Appearance:

Form: Clear liquid

Color: Yellow to pale amber

Odor: Neutral

Change in physical state:

Melting point: Max. 10°C

Boiling point: >300 °C

Smoke point: 150 - 200 °C

Flash point (AOCS Cc 9a-48): >250 °C

Auto-ignition temperature: >300 °C

Fire provoking characteristics: Temperature of more than 200 °C and strong air circulation.

Explosive properties: The product is not explosive

Explosion limits: N/A

Vapor pressure: <0.001 mm Hg

Density: 0.92 – 0.94 g/cm³ at 20 °C

Water solubility: Insoluble

pH (10g/l): N/A

Viscosity: 25 – 40 mPa at 37 °C

9.2 Other information

Thermal decomposition: At temperature more than 150 °C

Explosion limits: None



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10. Stability and reactivity

10.1 Responsiveness

Conditions to be avoided: Influence of light and heat.

10.2 Chemical stability

Substance to be avoided: Protect from humidity and strong oxidizing agents.

10.3 Possibility of dangerous reactions

Dangerous decomposition product: Irritating gases: Carbon monoxide, Carbon dioxide.

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

No data available

Further information: no decomposition in the application field.

11. Toxicological information

11.1 Information on toxicological effects

Toxicological testing: No acute toxicity, no skin irritation, no eye irritation, no sensitization.

Practical experience: Vegetable oils and butters have been sold and used for thousands of years as foods and cosmetics.

General considerations: None

12. Ecological information

12.1 Toxicity

Behavior in ecological settings: Degrading

12.2 Persistence and degradability

Readily biodegradable.

12.3 Bioaccumulation potential

No data available

12.4 Ground mobility

No data available

12.5 Results of PBT and vPvB assessment

No data available e



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12.6 Other adverse effects

No data available

Further information: no heavy metals and inorganic components

13. Disposal considerations

13.1 Product: Vegetable Oil.

Suggested procedure: Suitable incineration plant. Take notice of National special regulations.

Disposal code: Suitable waste-disposal site.

13.2 Packaging not cleaned:

Suggested procedure: Flush with lukewarm water with any cleaning detergent.

14. Transport information

14.1 UN number

Not a dangerous good in sense of the transport regulation.

14.2 UN shipping name

Not a dangerous good in sense of the transport regulation.

14.3 Class of danger for transport

Not a dangerous good in sense of the transport regulation.

14.4 Packing group

Not a dangerous good in sense of the transport regulation.

14.5 Environmental hazards

Not a dangerous good in sense of the transport regulation.

14.6 Special precautions for users

Not a dangerous good in sense of the transport regulation.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

Not a dangerous good in sense of the transport regulation.

15. Regulatory information

15.1 Regulations and legislation on health, safety and environment specific to the substance or mixture

Not applicable.

15.2 Chemical safety assessment.

No data available

16. Additional information

16.1 Abbreviations:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.



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CAS: Chemical Abstracts Service (division of the American Chemical Society).
CLP: Classification, Labeling, Packaging.
DNEL: Derived No Effect Level.
EINECS: European Inventory of Existing Commercial Chemical Substances.
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.
IATA: International Air Transport Association.
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO: International Civil Aviation Organization.
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG: International Maritime Code for Dangerous Goods.
INCI: International Nomenclature of Cosmetic Ingredients.
LTE: Long-term exposure.
PNEC: Predicted No Effect Concentration.
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE: Short-term exposure.
STEL: Short Term Exposure limit.
STOT: Specific Target Organ Toxicity.

Disclaimer:

This material safety data sheet does not constitute a guarantee of the properties of the product and is not a contractual legal report. The information is given in good faith on the basis of our best knowledge of the product at the indicated time. However, we cannot accept responsibility or liability for any consequences arising from its use, no warranty for correctness and completeness is given. We caution the users against the incurred possible risks when the product is used at other ends than the use for which it was initially planned. It is the user's responsibility during handling, storage and product use to consult the main regulatory texts in force regarding workers and environment protection.