

Material safety data sheet

According to EU Regulation 1907/2006 in the current version

NEEM OIL ORGANIC

1. Identification of the substance/mixture and company

Trade name: Neem Oil Organic
Description: Natural product extracted by cold press from the seeds of Azadirachta Indica, Meliaceae
I.N.C.I.: Melia Azadirachta Seed Oil
CAS No. : 8002-65-1 / 90063-92-6
EINESCS No. : 290-052-2
Utilization: Raw material for cosmetics and agricultural applications
Supplier company identification: Elemental SRL, Piața Cazărmii no.15, 410188-Oradea, jud.Bihor, Romania
Tel/Fax: +40259-436.755, www.ellemental.com
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

Classification according to Regulation (EC) No. 1272/2008 [CLP]

This substance is not classified as hazardous according to Regulation (EC) No. 1272/2008

2.2 Label elements

Additional advice on labeling: According to EC directives or the corresponding national regulations the product does not have to be labeled.

2.3 Other hazards

Special risk by leaking/spilling product.

3. Declaration of ingredients

3.1. Substances

Substance	C.A.S.	EINECS	Percent %
Melia Azadirachta Seed Oil	8002-65-1 / 90063-92-6	290-052-2	100 %

Further Information: no solvent residues

4. First aid measures

4.1 Description of first aid measures

General information: When in doubt or if symptoms are observed, get medical advice.

In case of contact with skin: Gently wash with plenty of soap and water.

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In case of contact with eyes: In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

In case of inhalation: Provide fresh air

After ingestion: Rinse mouth immediately and drink plenty of water.

4.2 Main symptoms and effects, both acute and delayed

No additional data available

4.3 Indication to consult a physician immediately or any special treatments

No additional data available

5. Fire fighting measures

5.1 Means of extinction

Suitable extinguishing media: foam, carbon dioxide (CO₂), powder

Extinguishing media which must not be used for safety reasons: water stream

5.2 Special hazards arising from the substance or mixture

Formation of dangerous fumes possible.

5.3 Recommendations for fire-fighters

In case of fire: Wear self-contained breathing apparatus.

6. Accidental release measures

6.1 Personal precautions, protective devices and emergency procedures

Avoid contact with eyes; should not be swallowed.

6.2 Environmental precautions

Do not allow to enter into surface water or drains

6.3 Methods and materials for containment and remediation

Take up mechanically, placing in appropriate containers for disposal.

6.4 Reference to other sections

Disposal of the contaminated material must be carried out in accordance with the provisions of section 13.

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling: Avoid contact with eyes, and should not be swallowed. Wear splash goggles and oil resistant gloves.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels: Store in a well-ventilated place. Keep container tightly closed.

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Further information on storage conditions: keep dark and dry, avoid heat

7.3 Specific end uses: None other than stated in section 1

8. Exposure controls / personal protection

8.1 Control parameters

There are no specific control parameters.

8.2 Exposure controls



Protective and hygiene measures: Remove contaminated clothes.

Hand protection: The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Skin protection: Wear clothing as usual in industry.

Respiratory protection: do not breathe vapor/aerosol.

Eye protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

9. Physical and chemical properties

9.1 Information on physical and chemical properties

Appearance: liquid oil at room temperature, turbid, solidifies under 20°C

Color: yellow to greenish brown

Odor: strong, characteristic, unpleasant

pH-value: not relevant

Melting point: no data available

Initial boiling point and boiling range: no data available

Sublimation point: no data available

Softening point: no data available

Flash point: > 250 °C (closed cup)

Flammability

Solid: No data available

Gas: No data available

Explosive properties: No data available

Lower explosion limits: no data available

Upper explosion limits: no data available

Ignition temperature: No data available

Auto-ignition temperature

Solid: No data available

Gas: No data available

Vapor pressure: No data available

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Vapor pressure: No data available
Density: 0,905-0,965 g/cm³
Refractive index: 1,451-1,485
Water solubility: insoluble
Solubility in other solvents: good soluble in fats, lipids
Partition coefficient: No data available
Viscosity / dynamic: no data available
Viscosity / kinematic: No data available
Flow time: No data available
Vapor density: No data available
Evaporation rate: No data available
Solvent content: no solvent residues

9.2 Other information

None

10. Stability and reactivity

10.1 Responsiveness

No data available

10.2 Chemical stability

No data available

10.3 Possibility of dangerous reactions

No data available

10.4 Conditions to avoid

Heat, open flame, sun light.

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

None - when carefully used.

Further information: no decomposition in the application field

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity: According to our knowledge, the chemical, physical and toxicological properties have not been examined extensively.

Irritation and corrosivity: No data available

Sensitizing effects: No data available

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Severe effects after repeated or prolonged exposure: No data available

Carcinogenic/mutagenic/toxic effects for reproduction: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Empirical data on effects on humans: No data available

Further information: No additional information available

12. Ecological information

12.1 Toxicity

No data for ecological evaluation on hand. Under appropriate use there are no ecological problems to expect.

12.2 Persistence and degradability

No data available

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

12.6 Other adverse effects

Further information: no heavy metals and inorganic components

13. Disposal considerations

13.1 Waste treatment methods

Advice on disposal: in accordance with valid regulations

Waste disposal number of waste from residues/unused products: 160306 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; organic wastes other than those mentioned in 160305

Contaminated packaging: in accordance with valid regulations

14. Transport information

14.1 UN number

ADR: No dangerous good in sense of this transport regulation.

IMDG: No dangerous good in sense of this transport regulation.

IATA: No dangerous good in sense of this transport regulation.

14.2 UN shipping name

ADR: No dangerous good in sense of this transport regulation.

IMDG: No dangerous good in sense of this transport regulation.

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14.3 Class of danger for transport

ADR: No dangerous good in sense of this transport regulation.

IMDG: No dangerous good in sense of this transport regulation.

IATA: No dangerous good in sense of this transport regulation.

14.4 Packing group

ADR: No dangerous good in sense of this transport regulation.

IMDG: No dangerous good in sense of this transport regulation.

IATA: No dangerous good in sense of this transport regulation.

14.5 Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6 Special precautions for users

No dangerous good in sense of this transport regulation.

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

No dangerous good in sense of this transport regulation.

15. Regulatory information

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

Statutory Instruments The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I. 2009 No. 716). Guidance Notes Workplace Exposure Limits EH40. CHIP for everyone HSG (108). EU Legislation Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments

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.

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.

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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.