

# MATERIAL SAFETY DATA SHEET (MSDS)

Laurus Nobilis Fruit Oil / Laurel Berry Oil / Olej laurowy

<b>Product name / Nazwa produktu</b>	Laurus Nobilis Fruit Oil / Laurel Berry Oil / Olej laurowy
<b>INCI designation (EU)</b>	LAURUS NOBILIS FRUIT OIL
<b>CAS</b>	8007-48-5
<b>EC# (EINECS/ELINCS)</b>	273-313-5
<b>Document format</b>	Ecoflores format based on supplier MSDS
<b>Emergency telephone</b>	112

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

<b>1.1 Identification of the substance/mixture</b>	Triglyceride according to annex IV and/or V to Directive 1907/2006/EC, hereinafter referred to as "substance". This safety data sheet is restricted to vegetable fats and fatty oils according to its annex.
<b>1.2 Relevant identified uses of the substance</b>	Use of the substance: Raw material for personal care products, toiletries and cosmetics. Uses advised against: Any non-intended use.
<b>1.3 Details of the supplier</b>	Ecoflores Krzysztof Magdij ul. Waksmundzka 34 34-400 Nowy Targ, Poland Phone: +48 604 508 226 E-mail: kontakt@ecoflores.eu Website: www.ecoflores.eu
<b>1.4 Emergency telephone numbers</b>	112

## 2. HAZARDS IDENTIFICATION

Hazard warnings relating to human health and environmental effects: None.

Substance not classified as dangerous under Regulation (EC) No 1272/2008 (Regulations 67/548/EEC and 1999/45/EC have been repealed).

Please observe the information on the safety data sheet at all times.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<b>Chemical identity</b>	Triglycerides of various fatty acids. Details on the fatty acid composition can be found in the analysis report of the respective substance.
<b>REACH dangerous chemicals</b>	The substance does not contain dangerous chemicals according to REACH (regulation (EC) No 987/2008, amending regulation (EC) No 1907/2006), Annex II, Part A, 3.2.2., that must be mentioned in Chapter 3.
<b>SVHC</b>	The substance does not contain listed SVHC chemicals > 0.1% according to REACH (regulation (EC) No 987/2008, amending regulation (EC) No 1907/2006).
<b>INCI designation (EU)</b>	LAURUS NOBILIS FRUIT OIL
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## 4. FIRST AID MEASURES

Item	Information
4.1 General information	First aid measures usually not required. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
Inhalation	Except for fresh air, no special measures are required. Consult doctor in case of respiratory tract or other disorders.
Skin	Usually not skin irritant. Gently wash with plenty of soap water. Consult doctor in case of skin irritation. In case of burns: Seek appropriate medical attention.
Eye	Rinse open eye cautiously with copious amounts of running water for several minutes. Consult an ophthalmologist in case of complaints.

Item	Information
Ingestion	Rinse mouth with water and drink copious amounts of water in little sips (dilution effect). Do NOT induce vomiting. Consult doctor in case of complaints, in all cases of doubt or when symptoms persist.
4.2 Most important symptoms and effects, both acute and delayed	No information available.
4.3 Immediate medical attention and special treatment	Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

Item	Information
5.1 Suitable extinguishing media	Foam, water fog, water spray, drying fire extinguishing agent (Extinguishing powder), Carbon dioxide (CO <sub>2</sub> ) and sand. Adapt extinguishing measures to the surroundings.
5.1 Unsuitable extinguishing media	Do not use water jet.
5.2 Special hazards arising from the substance	Fire and explosion hazard: Flammable with low hazard. The substance can only form an ignitable mixture when the temperature is heated to above the flash point. In case of fire, hazardous gases can be released: Flue gas, carbon monoxide, and carbon dioxide (CO <sub>2</sub> ). Also Acrolein steams (C <sub>3</sub> H <sub>4</sub> O) are generated during combustion. Low contamination with volatile hydrocarbons can increase the danger. The possibility of spontaneous combustion may exist when fine distributions of volatile hydrocarbons mix with air.
5.3 Advice for firefighters	Use cold-water fog or water spray to cool fire-exposed containers to minimize the risk of rupture. Firefighters should be equipped with self-contained breathing apparatus and eye protection to protect against potentially toxic fumes in case of explosion. Prevent inflow of substance. Allow the fire to burn out under controlled conditions or extinguish with suitable extinguishing media. Keep contaminated materials such clothing, cleaning cloths etc. away to prevent spontaneous combustion.
Other indications	Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Prevent contamination of surface water and groundwater.

## 6. ACCIDENTAL RELEASE MEASURES

Item	Information
6.1 Personal precautions, protective equipment and emergency procedures	Danger of slipping on the spilled substance. See paragraph 7 and 8.
6.2 Environmental precautions	Discharge into the environment must be avoided.
6.3 Spillage on soil	Carefully contain and stop the source of the spill. Avoid runoff to sewers or waterways. If substance has been released into waters or sewers or contaminates soil and plants, inform the proper authorities. Take measures to prevent contamination of surface water and groundwater. Remove mechanically, cover and adsorb residue substance with sand or any suitable adsorption medium (e.g. Diatomaceous earth (diatomite), sawdust, etc.).
6.3 Spillage on water	Immediately take effective measures to contain substance. If necessary, alert other vessels to danger. Inform harbor police and the responsible authorities. Remove substance from water surfaces through skimming oil or use of suitable adsorption agent. If on running waters or waterways, consult with authorities over use of dispersants.
Cleaning and disposal	Dispose of substance and contaminated adsorption medium according to paragraph 13. Clean contaminated objects and areas thoroughly observing environmental regulations.

## 7. HANDLING AND STORAGE

Item	Information
7.1.1 Precautions for safe handling	Wear suitable protective clothing. Avoid spilling or leakages because of the danger of slipping. Beware of risk of splashing when heated substance is combined with water. High affinity to lipophilic solvents should be noted when kept in mixed storage. Avoid contamination with other products and materials. Electrical installations and equipment must comply with regulations. Suitable appliances must be used for handling drums and heavy containers. Keep away from fire and flammable sources. To reduce the risk of ignition hazard, clean empty containers thoroughly prior to any welding work.
7.1.2 Advice on protection against fire and explosion	Usual measures for fire prevention.
7.1.3 Advice on general occupational hygiene	Wear suitable protective clothing. Do not eat, drink or smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

Item	Information
7.2.1 Requirements for storage and storage rooms	The substance should be stored at a cool (10 - 20 °C), tightly closed, protected from sun light, light, UV-radiation, in dry and well-ventilated place. It is advised to cover the substance with an inert gas such as nitrogen. Low temperatures may result in a darkening of the substance or in flakes appearing in it. These changes do not mean any quality loss, but are rather signs of the substance's naturalness. At warming up to room temperature, the substance becomes clear again without any quality losses. In case of small containers, shaking may additionally support the dissolution process. Storage class according to the German TRGS-510: 10 for oils (liquids) and 11 for fats (solids).
7.2.2 Requirements for containers	Non-suitable container materials: Iron, bronze or copper. Suitable container materials: E.g. stainless steel, polyethylene (PE).
7.2.2 Advice on storage compatibility	Do not store together with explosives, oxidizing solids, oxidizing liquids, radioactive products and infectious products.
7.3 Specific uses	Refer to chapter 1.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Item	Information
8.1 Exposure limit values	-
8.2 Limitation and monitoring of exposure	-
8.2.1 Respiratory protection	With correct and proper use, and under normal conditions, breathing protection is not required. In case engineering controls do not maintain airborne concentrations below recommended exposure limits, measures must be taken to extract any irritation, otherwise approved respirators must be worn.
Hand protection	-
Eye protection	When in risk of contact, wear safety glasses with side shields while handling the substance.
Skin and body protection	-
8.2.2 Environment exposure control measures	-

## 9. PHYSICAL & CHEMICAL PROPERTIES

Property	Value
pH Value	Non-applicable since substance is insoluble in water
Melting point	See analysis report, whether available
Boiling point/boiling range	> 100 °C
Sublimation point	Not available
Softening point	Not available
Pour point	Not available
Flash point	> 160 °C
Sustaining combustion	Not sustaining combustion
Explosive properties	Not explosive
Lower explosion limits	Not available
Upper explosion limits	Not available
Ignition temperature	Not available
Auto-ignition temperature (Gas)	Not available
Decomposition temperature	Not available
Oxidizing properties	None
Vapor pressure	Not available
Density	See analysis report
Water solubility at 20 °C	Insoluble
Solubility in ethanol	Soluble
Solubility in vegetable oils	Soluble
Partition coefficient n-octanol/water	Not available

Property	Value
Miscibility with water at 20 °C	Immiscible
Miscibility with essential oils at 20 °C	Miscible
Partition coefficient	Not available
Viscosity	See analysis report, whether available
Flow time	Not available
Vapor density	Not available
Evaporation rate	Not available
Solvent separation test	Not available
Solvent content	Not available
9.2 Other information - Solid content	Not available

## 10. CHEMICAL STABILITY AND REACTIVITY INFORMATION

Item	Information
10.1 Reactivity	No information available.
10.2 Chemical stability	The substance is chemically stable under recommended conditions of storage, use and temperature. Refer to chapter 1. Exposure to sunlight may have a bleaching effect on the substance. Substance has a tendency to increase in peroxide and acid value during storage and on long-term exposure to the air may eventually become rancid.
10.3 Possibility of hazardous reactions	No information available.
10.4 Conditions to avoid	Avoid heat, UV-radiation, light, flames, sparks and other sources of ignition.
10.5 Materials to avoid	Contact of the substance with strong oxidation mediums, such as liquid chlorine or concentrated oxygen is to be prevented.
10.6 Hazardous decomposition products	Substance does not decompose at normal temperatures. In case of fire Carbon monoxide. Carbon dioxide (CO <sub>2</sub> ) can be released. Excessive heating under absence of air can result in the production of organic crack products. Thermal decomposition results in the production of acrolein (C <sub>3</sub> H <sub>4</sub> O).

## 11. TOXICOLOGICAL INFORMATION

By appropriate exposure and conventional use, the substance does not cause damage to health according to available experience and all information available on the toxicity of vegetable oils. The substance is not subject to classification according to the latest version of the EU lists.

## 12. ECOLOGICAL INFORMATION

Item	Information
12.1 Ecotoxicity	Quantitative data on the ecological effect are not available. Natural substance.
12.2 Persistence and degradability	The biological degradability is good. Increased chemical (COD) and biological (BOD) oxygen demand in case of leakage into waters. Water hazard class: Hazardous to water in general (awg) for liquid substances and non-hazardous to water (nwg) for solid substances. The Ordinance on facilities for handling substances that are hazardous to water must be taken into account.
12.3 Bioaccumulative potential	Has a potential to bioaccumulate.
12.4 Mobility in soil	In soil, the penetration of water is reduced. The substance does not penetrate into the soil body.
12.5 Result of PBT and vPvB determination	The components in this formulation do not meet the criteria for classification as PBT or vPvB.
12.6 Other adverse effects	Specific ecotoxicological data are not available. Assessment is based on common information on vegetable oils.

## 13. DISPOSAL CONSIDERATIONS

Waste / packaging item	Information
Waste Code Number according to Directive on the European List of Waste Materials (AVV)	Vegetable oil / Laurus Nobilis Fruit Oil: 04 02 10 (organic matter from natural products (e.g. grease, wax)). Edible oils and fats: 20 01 25. Oils and fats (according to annex) other than those mentioned in 20 01 25: 20 01 26. Waste packaging, absorbents, wiping cloths, filter materials and protective clothing not otherwise specified: 15 01 16.
Recommendation	Waste should be collected and disposed of by authorized companies. Dispose of in accordance with appropriate Federal, State and local regulations.

Waste / packaging item	Information
Disposal of contaminated containers or packaging	Contaminated packaging should be collected and disposed of by authorized companies. Dispose of in accordance with appropriate Federal, State and local regulations. Non-contaminated packages may be recycled.

## 14. TRANSPORTATION INFORMATION

<b>Suitable transport containers</b>	Containers, drums, canisters
<b>Transport regulations</b>	Substance is not subject to following Directives: ADR (Transport of dangerous goods by road); RID (Transport of dangerous goods by rail); ADN (Inland waterways transport); IMDG (Maritime transportation); ICAO-TI/IATA-DGR (air transport); GGVs/GGVE (cross-border/domestic).
<b>Details not enlisted</b>	UN number; Transport hazard class; Proper Shipping Name; Packing Group; Marine Pollutant; Other applicable information.
<b>Transport in bulk</b>	Transport in bulk according to Annex II to MARPOL73/78 convention and IBC-Code: Directives for the transport of vegetable oils in especially designed deep tanks or separate tanks on cargo vessels.

## 15. REGULATORY INFORMATION

- Allergen status: See analysis report.
- Water hazard class: See paragraph 12.2.
- The accident prevention regulations of the Employers' Liability Insurance Associations must be observed.
- The substance does not have to be labelled according to the Regulation (EC) 1272/2008 and Directives (EC) 88/379.
- The substance does not have to be labelled according to Globally Harmonized System of Classification and Labelling of Chemicals (GHS).
- The substance do not meet the PBT/vPvB criteria according to REACH (regulation (EC) No 987/2008, amending regulation (EC) No 1907/2006), annex XIII. Therefore, the Substance is exempted from the obligation to register according to REACH.
- Other information: This document describes the exemptions from the obligation to register in accordance with Article 2(7)(b) of the REACH Regulation. This substance also does not require a safety data sheet according to Article 31 of the REACH Regulation (requirements for safety data sheets).
- This Substance does not belong to the substances listed in Annex II to VI of the Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 (Cosmetic Regulation). It also does not contain any substances listed in these Annexes.
- The Substance is not subject to Seveso III Directive (Directive 2012/18/EU of the European Parliament and of the Council) on the control of major-accident hazards involving dangerous substances.
- The Substance is not subject to the Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.
- The Substance is not subject to the Regulation (EU) 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants.
- The Substance is not subject to the Regulation (EC) No 1331/2008 of the European Parliament and of the Council of 16 December 2008 establishing a common authorisation procedure for food additives, food enzymes and food flavourings.
- Technical Manual for Clean Air (TA-Luft): None.

## 16. OTHER INFORMATION

Substance specifications and analysis report are mandatory to observe. The information contained herein is based on the state of our knowledge and experience. No claims or warranty can be accepted with respect to the availability, reliability, functionality or faultlessness of the Material Safety Data Sheet. This information is provided without warranty, expressed or implied. The information given must be regarded as a description of the safety requirements relating to the substance and not as a guarantee of its properties. The user must verify that the substance is suitable and complete for the intended use. It is the responsibility of the recipient of our substance to ensure that existing laws and regulations are observed. This data relates only to the substance designated and is not to be used in combination with any other material or in processing procedures.

Opracowano dla / Prepared for: Ecoflores