Safety Data Sheet (SDS) - Olive Leaf Extract

According to Regulation (EC) No 1907/2006 (REACH), as amended by Regulation (EU) 2020/878
Version 1.1, 26-Oct-2026

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

Product name:	Olive Leaf Extract; hydroxytyrosol >=40.0%
Recommended uses:	Ingredient for professional formulation and manufacturing use
Uses advised against:	Uses not permitted by applicable legislation; household or non-professional use
Catalogue Number:	NST-8-3
Supplier:	NATURE SCIENCE TECHNOLOGIES Ltd Briezu 11, Lapsas, Latvia, LV-2107 Email: inquiries@nstchemicals.com Website: www.nstchemicals.com Emergency: Latvian Poison Information Centre +371 67042473 (24/7)

Section 2. Hazards identification

Classification:



Regulation (EC) No 1272/2008 (CLP): Skin Irrit. 2 (H315); Eye Irrit. 2 (H319). Hazard pictogram: GHS07. Signal word: Warning. Hazard statements: H315 Causes skin irritation. H319 Causes serious eye irritation.
Precautionary statements: P264 Wash thoroughly after handling. P280 Wear protective gloves/eye protection. P302+P352 IF ON SKIN: Wash with plenty of water. P332+P313 If skin irritation occurs: Get medical advice/attention. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/attention. P501 Dispose of contents/container in accordance with applicable regulations.
Other hazards: Fine airborne organic dust may form a combustible dust atmosphere. PBT, vPvB and endocrine-disrupting properties have not been established.

Section 3. Composition/information on ingredients

Chemical name:	Olive leaf extract from Olea europaea L. leaves; hydroxytyrosol >=40.0% (HPLC assay specification).
Synonyms:	Olea europaea leaf extract; Olive leaf extract; hydroxytyrosol-rich olive extract
Chemical formula:	UVCB botanical extract; no single molecular formula
Molecular weight:	Not applicable to the extract
CAS No:	84012-27-1
EC No.	Not reliably assigned for this extract grade

Section 4. First aid measures

Inhalation:	Move to fresh air and keep comfortable for breathing. Obtain medical advice if coughing, breathing discomfort or other symptoms occur.
Skin:	Remove contaminated clothing. Wash skin thoroughly with soap and plenty of water. If skin irritation occurs, obtain medical advice/attention.
Eyes:	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists, obtain medical advice/attention.
Ingestion:	Rinse mouth. Do not induce vomiting. Obtain medical advice if unwell or if a significant amount has been swallowed. Never give anything by mouth to an unconscious person.

Section 5. Firefighting measures

Extinguishing media suitable:	Water spray, alcohol-resistant foam, dry extinguishing powder or carbon dioxide. Use measures appropriate to the surrounding fire.
Special protection of fire-fighters:	Wear self-contained breathing apparatus and full protective equipment. Combustion may produce carbon monoxide, carbon dioxide and irritating fumes. Avoid dispersing dust.

Section 6. Accidental release measures

Personal precautions:	Restrict access. Avoid dust formation and inhalation. Avoid contact with skin and eyes. Ensure adequate ventilation and wear protective gloves and eye protection.
Environmental precautions:	Prevent entry into drains, surface water and soil. Avoid uncontrolled release to the environment.
Methods for cleaning up:	Collect mechanically or with a HEPA-filtered vacuum without generating dust. Place in a closed, labelled container for disposal and clean the affected area.

Section 7. Handling and storage

Handling:	Use in a well-ventilated area. Minimise dust. Avoid breathing dust and contact with skin and eyes. Wear protective gloves and eye protection. Wash thoroughly after handling.
Storage:	Store in a cool, dry place. Keep container tightly closed and protect from strong light and heat. Keep away from strong oxidising agents.

Section 8. Exposure controls/personal protection

Engineering measures:	No substance-specific occupational exposure limit has been established for the product. Apply applicable nuisance-dust limits. Use local exhaust ventilation and provide eyewash facilities.
Hygiene measures:	Wash hands and exposed skin after handling and before breaks. Do not eat, drink or smoke in work areas. Remove contaminated clothing before reuse.
Personal protective equipment:	Respiratory: suitable particulate-filter respirator where dust forms or ventilation is insufficient. Hands: chemical-resistant gloves appropriate to the work, e.g. nitrile.
Skin and body:	Protective work clothing appropriate to the scale and duration of exposure. Wash contaminated clothing before reuse.
Eyes:	Safety glasses with side shields; use tightly fitting chemical goggles where dust exposure is significant.

Section 9. Physical and chemical properties

Physical state:	Solid, fine powder
Colour:	Brown
Odour:	Characteristic
Molecular Weight:	Not applicable to the extract
Melting point:	No data available
pH:	No data available
Boiling point:	No data available; decomposition may occur before boiling
Solubility:	No reliable product-specific data available
Explosive properties:	Not classified as explosive. Fine airborne organic dust may form a combustible dust atmosphere.

Section 10. Stability and reactivity

Stability:	Stable under recommended storage and normal handling conditions. Protect from strong light and heat.
Materials to avoid:	Strong oxidising agents; excessive heat, strong light and conditions that generate airborne dust.
Hazardous decomposition products:	Carbon monoxide, carbon dioxide and irritating fumes may form during combustion or thermal decomposition.

Section 11. Toxicological information

Acute toxicity:	Based on available data, the classification criteria for acute toxicity are not met. Product-specific quantitative toxicity data are limited.
Skin corrosion/irritation:	Causes skin irritation (Skin Irrit. 2, H315) and serious eye irritation (Eye Irrit. 2, H319), classified conservatively from the >=40.0% hydroxytyrosol specification.
Respiratory or skin sensitisation:	Based on available data, classification criteria for respiratory or skin sensitisation are not met.
CMR effects:	Based on available data, classification criteria for germ-cell mutagenicity, carcinogenicity and reproductive toxicity are not met.
Signs and symptoms of exposure:	Dust may irritate the respiratory tract. Contact may cause skin redness or discomfort and serious eye irritation.
Potential health effects:	The principal expected effects are skin and eye irritation. Toxicological properties of the complete botanical extract have not been fully evaluated.
Inhalation:	Dust may cause coughing, sore throat or breathing discomfort through mechanical irritation.
Skin:	Causes skin irritation; prolonged contact may increase redness, dryness or discomfort.
Eyes:	Causes serious eye irritation, including redness, tearing and pain.
Ingestion:	May cause gastrointestinal discomfort if a significant amount is swallowed.
Other information:	Treat symptomatically. Seek medical advice if symptoms persist or after significant exposure.

Section 12. Ecological information

Ecotoxicity:	No adequate product-specific aquatic toxicity data are available. The product is not classified as hazardous to the aquatic environment. Avoid uncontrolled release.
Persistence and degradability:	Persistence, degradability, bioaccumulation and mobility data are limited. The product has not been identified as PBT or vPvB based on available information.
Other adverse effects:	Endocrine-disrupting properties have not been established. No other adverse environmental effects are known.

Section 13. Disposal considerations

Product:	Dispose of contents through a licensed waste disposal contractor in accordance with local, regional and national requirements. Do not discharge to drains.
Contaminated packaging:	Empty completely. Handle contaminated packaging in the same way as the product. Recycle clean packaging where permitted.

Section 14. Transport information

ADR/RID:	Not regulated as dangerous goods
IMDG:	Not regulated as dangerous goods. Marine pollutant: No.
IATA:	Not regulated as dangerous goods

Section 15. Regulatory information

EU regulatory information:	Prepared in accordance with Regulation (EC) No 1907/2006 (REACH), Annex II, as amended by Regulation (EU) 2020/878. Classification and labelling assessed under Regulation (EC) No 1272/2008 (CLP), as amended. A chemical safety assessment has not been carried out by the supplier for this product.

Section 16. Other information

Notice to reader:	Version 1.1; revision date 26-Oct-2026. Approved GHS pictogram artwork was applied with corrected aspect ratio and spacing. Chemical classification and transport wording were not changed. Conservative classification: Skin Irrit. 2 (H315) and Eye Irrit. 2 (H319), derived from current European safety information for hydroxytyrosol and the product assay specification of >=40.0%. ADR/RID, IMDG and IATA transport: not regulated. Product identity and quality properties derive from the applicable quality specification; batch-specific results and dates are intentionally excluded. This information is guidance for safe handling and is not a warranty of product properties. Users remain responsible for suitability and legal compliance.