Safety Data Sheet (SDS) - Honokiol

According to Regulation (EC) No 1907/2006 (REACH), as amended by Regulation (EU) 2020/878
Version 1.2, 26-Oct-2026

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

Product name:	Honokiol
Recommended uses:	Ingredient for professional formulation, analytical and R&D use
Uses advised against:	Uses not permitted by applicable legislation; household or non-professional use
Catalogue Number:	NST-10-111
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): Eye Dam. 1, H318; Aquatic Chronic 2, H411.



Hazard pictograms: GHS05, GHS09. Signal word: Danger. Hazard statements: H318 Causes serious eye damage. H411 Toxic to aquatic life with long lasting effects.
Precautionary statements: P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER/doctor. P391 Collect spillage. 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:	Honokiol, >=98.0% (HPLC specification); botanical source: Magnolia officinalis Rehd. et Wils. bark.
Synonyms:	3',5-Diallyl-2,4'-biphenyldiol; 5,3'-Diallyl-2,4'-dihydroxydiphenyl; NSC 293100
Chemical formula:	C18H18O2
Molecular weight:	266.33 g/mol
CAS No:	35354-74-6
EC No.	609-119-8

Section 4. First aid measures

Inhalation:	Move to fresh air. Keep at rest. Obtain medical advice if coughing, breathing discomfort or other symptoms persist.
Skin:	Remove contaminated clothing. Wash skin thoroughly with soap and water. Obtain medical advice if irritation develops.
Eyes:	Immediately rinse cautiously with water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.
Ingestion:	Rinse mouth. Do not induce vomiting. Obtain medical advice if unwell or if a significant amount has been swallowed.

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. Collect contaminated fire water.

Section 6. Accidental release measures

Personal precautions:	Avoid dust formation and inhalation. Ensure ventilation. Wear protective gloves, clothing and eye/face protection. Keep unprotected persons away.
Environmental precautions:	Prevent entry into drains, surface water and soil. Avoid release to the environment. Notify authorities if a significant release reaches water or drains.
Methods for cleaning up:	Collect mechanically or with a HEPA-filtered vacuum without generating dust. Place in a closed, labelled container for disposal. Collect spillage and clean the area.

Section 7. Handling and storage

Handling:	Handle in a well-ventilated area. Minimise dust. Avoid contact with eyes, skin and clothing. Wear eye/face protection and gloves. Wash 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. Apply nuisance-dust limits. Use local exhaust ventilation and provide eyewash and safety-shower 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 task, e.g. nitrile.
Skin and body:	Protective work clothing appropriate to the scale and duration of exposure. Wash contaminated clothing before reuse.
Eyes:	Tightly fitting chemical goggles and face protection. Ordinary safety glasses alone may be insufficient because serious eye damage is possible.

Section 9. Physical and chemical properties

Physical state:	Solid, fine powder
Colour:	Off-white
Odour:	Characteristic
Molecular Weight:	266.33 g/mol
Melting point:	Approximately 83-87 °C (literature/supplier data)
pH:	No data available
Boiling point:	No data available; decomposition may occur before boiling
Solubility:	Sparingly soluble in water; soluble in methanol and organic solvents
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 and strong light.
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, classification criteria for acute toxicity are not met. Quantitative endpoint data for the supplied product are limited.
Skin corrosion/irritation:	Causes serious eye damage (Eye Dam. 1, H318). Based on available data, classification criteria for skin corrosion/irritation are not met.
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:	Eye contact may cause severe injury. Dust may cause mechanical irritation of the skin and respiratory tract.
Potential health effects:	The principal identified human-health hazard is serious eye damage.
Inhalation:	Dust may cause coughing, sore throat or breathing discomfort through mechanical irritation.
Skin:	Prolonged or repeated contact with dust may cause dryness or discomfort.
Eyes:	Causes serious eye damage; immediate prolonged rinsing and urgent medical attention are required.
Ingestion:	May cause gastrointestinal discomfort if a significant amount is swallowed.
Other information:	Prevent eye contact and unnecessary dust exposure; follow the protective measures in Section 8.

Section 12. Ecological information

Ecotoxicity:	Toxic to aquatic life with long lasting effects (Aquatic Chronic 2, H411). Avoid any uncontrolled release to water, drains or soil.
Persistence and degradability:	Product-specific persistence, degradability, bioaccumulation and mobility data are limited. Log Pow is reported at approximately 5, indicating potential affinity for organic phases.
Other adverse effects:	PBT, vPvB and endocrine-disrupting properties have not been established. Collect all spills and contaminated cleaning materials.

Section 13. Disposal considerations

Product:	Dispose of contents through a licensed hazardous-waste contractor in accordance with local, regional and national requirements. Do not discharge to drains.
Contaminated packaging:	Empty completely. Treat contaminated packaging as the product. Recycle only thoroughly cleaned packaging where permitted.

Section 14. Transport information

ADR/RID:	Not regulated as dangerous goods.
IMDG:	Not regulated as dangerous goods.
IATA/ICAO:	Not regulated as dangerous goods.
UN transport details:	UN number: Not applicable. UN proper shipping name: Not applicable. Transport hazard class: Not applicable. Packing group: Not applicable.

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.

Section 16. Other information

Notice to reader:	Version 1.2; revision date 26-Oct-2026. Approved GHS pictogram artwork was applied with corrected aspect ratio and spacing, and the inserted Section 14 text was formatted consistently in Arial. Chemical classification and transport wording were not changed. Section 14 was corrected to state that the supplied NST grade is not regulated as dangerous goods under ADR/RID, IMDG or IATA/ICAO; the superseded transport assignment was removed. Existing CLP/GHS hazard classifications and handling precautions were retained. Product identity, grade and quality properties remain based on the applicable NST specification. This information is provided in good faith as guidance for safe handling, storage, transport and disposal and is not a warranty of product properties. Users remain responsible for suitability and legal compliance.