Safety Data Sheet (SDS) - Resveratrol

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:	Resveratrol >=98.0%; botanical source: Polygonum cuspidatum, bark
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-10-91
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:	trans-Resveratrol, >=98.0% (HPLC assay specification); botanical source: Polygonum cuspidatum bark.
Synonyms:	trans-Resveratrol; 3,4',5-Trihydroxy-trans-stilbene; 5-[(1E)-2-(4-hydroxyphenyl)ethenyl]-1,3-benzenediol
Chemical formula:	C14H12O3
Molecular weight:	228.24 g/mol
CAS No:	501-36-0
EC No.	610-504-8

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. 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:	White
Odour:	Characteristic
Molecular Weight:	228.24 g/mol
Melting point:	Approximately 253-255 deg C; decomposition may occur
pH:	No data available
Boiling point:	No reliable data available; decomposition may occur before boiling
Solubility:	Very slightly soluble in water; soluble in ethanol and DMSO
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, air 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. Reliable 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).
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 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. Avoid uncontrolled release. The product is not classified as hazardous to the aquatic environment under the classification basis used for this SDS.
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.

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), based on current European supplier safety information for resveratrol, CAS 501-36-0. 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.