

SAFETY DATA SHEETS

This SDS packet was issued with item:

078909887

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

078909381

MATERIAL SAFETY DATA SHEET

trans-Resveratrol

Page: 1

Biological Prospects LLC
449 Lewis Hargett Circle #190
Lexington, KY 40503

Revision: 02/07/2012
Date Created: 02/07/2012

1. Product and Company Identification

Trade Name: Resverasyn
Product Name: trans-Resveratrol
Manufacturer Information
Company Name: Biological Prospects LLC
Emergency Contact: Biological Prospects LLC 866-721-1412
Information: Biological Prospects LLC 866-721-1412
Synonyms: trans-3,5,4'-Trihydroxystilbene; 3,4',5-Stilbenetriol; (E)-5-(p Hydroxystyryl)resorcinol (E)-5-(4-hydroxystyryl)benzene-1,3-diol

2. Hazards Identification

Emergency Overview: Harmful.
Avoid contact and inhalation.
Route(s) of Entry: **Inhalation?** Yes **Skin?** Yes **Eyes?** Yes **Ingestion?** Yes **Other:** Injection
Health Hazards (Acute and Chronic): Causes eye, skin, and respiratory system irritation.
Material may be irritating to the mucous membranes and upper respiratory tract.
May be harmful by inhalation or skin absorption.
The toxicology properties of this product have not been fully evaluated.
Signs and Symptoms of Exposure: May cause allergic skin reaction.

3. Composition/Information on Ingredients

Hazardous Components (Chemical Name)	CAS #	Concentration	EC#
1. trans-Resveratrol	501-36-0	≥99.0%	610-504-8

4. First Aid Measures

Emergency and First Aid Procedures: If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.
If swallowed, wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.
In case of contact with eyes, hold eyelids apart and flush with plenty water for at least 20 minutes. Have eyes examined and tested by medical personnel.
In case of skin contact, immediately wash skin with soap and plenty of water for at least 20 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

5. Fire Fighting Measures

Flash Pt: No data.
Explosive Limits: LEL: No data. UEL: No data.
Special Fire Fighting Procedures: As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.
Unusual Fire and Explosion Hazards: No data available.
Hazardous Combustion Products: No data available.
Suitable Extinguishing Media: Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray.
Use water spray to cool fire-exposed containers.
Unsuitable Extinguishing Media: A solid water stream may be inefficient.

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6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled:

Avoid release into the environment.
Avoid raising and breathing dust, and provide adequate ventilation.
As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator, and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).
Transfer to a proper chemical waste container for disposal.

7. Handling and Storage

Hazard Label Information:

Avoid contact with skin and eyes. Do not reuse this container. Use with adequate ventilation.

Precautions To Be Taken In Handling:

Wash thoroughly after handling.
Avoid breathing (dust, vapor, mist, gas).
Avoid prolonged or repeated exposure.

Precautions To Be Taken In Storing:

Keep tightly closed.
Store at correct temperature.

8. Exposure Controls/Personal Protection

Hazardous Components (Chemical Name)	CAS #	OSHA PEL	ACGIL TLV	Other Limis
1. trans-Resveratrol	501-36-0	No data.	No data.	No data.

Protective Equipment Summary –

Hazard Label Information:

Respiratory Equipment (Specify Type):

Eye Protection:

Protective Gloves:

Other Protective Clothing:

Ventilation:

Work/Hygienic/Maintenance Practices:

Compatible chemical-resistant gloves Eye wash station in work area Lab coat
Safety glasses Safety shower in work area Vent Hood
NIOSH approved respirator, as conditions warrant.
Safety glasses
Compatible chemical-resistant gloves
Lab coat
Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.
Do not take internally.
Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
Wash thoroughly after handling.

9. Physical and Chemical Properties

Physical States:

Gas Liquid Solid

Melting Point:

253 to 255°C

Boiling Point:

No data.

Autoignition Pt:

No data.

Flash Pt:

No data.

Explosive Limits:

LEL: No data.

UEL: No data.

Specific Gravity (Water = 1):

No data.

Bulk Density:

No data.

Vapor Pressure (vs. Air or mm Hg):

No data.

Vapor Density (vs. Air = 1):

No data.

Evaporation Rate (vs. Butyl Acetate = 1):

No data.

Solubility in Water:

0.03 g/L

Solubility Notes:

16 g/L in DMSO; 50 g/L in Ethanol

Percent Volatile:

No data.

Heat Value:

No data.

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Particle Size: No data.
Corrosion Rate: No data.
Formula: C₁₄H₁₂O₃
Molecular Weight: 228.20
pH: No data.
Appearance and Odor: A crystalline solid

10. Stability and Reactivity

Stability: Unstable [] Stable [X]
Conditions To Avoid – Instability: No data available.
Incompatibility – Materials To Avoid: strong oxidizing agents
Hazardous Decomposition Or Byproducts: carbon dioxide
carbon monoxide
Possibility Of Hazardous Reactions: Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions: No data available.

11. Toxicological Information

: The toxicological effects of this product have not been thoroughly studied.
Carcinogenicity/Other Information: No data available.
Carcinogenicity: NTP? No IRAC Monographs? No OSHA Regulated? No

12. Ecological Information

: Avoid release into the environment.
Runoff from fire control or dilution may cause pollution.

13. Disposal Considerations

Waste Disposal Method: Disposal in accordance with local, state, and federal regulations.

14. Transport Information

LAND TRANSPORT (US DOT)
DOT Proper Shipping Name Not dangerous goods.
LAND TRANSPORT (European ADR/RID)
ADR/RID Proper Shipping Name Not dangerous goods.
AIR TRANSPORT (ICAO/IATA)
ICAO/IATA Proper Shipping Name Not dangerous goods.
Additional Transport Information: Transport in accordance with local, state, and federal regulations.

15. Regulatory Information

European Community Hazard Symbol codes Xn: Harmful

European Community Risk and Safety Phrases

R22 - Harmful if swallowed.
R37/38 - Irritating to respiratory system and skin.
R41 - Risk of serious damage to the eyes.
R43 - May cause sensitization by skin contact.
S24/25 - Avoid contact with skin and eyes.
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

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US EPA SARA Title III

Hazardous Components (Chemical Name)	CAS #	Sec.302 (EHS)	Sec.304 RQ	Sec.313 (TRI)	Sec.110
1. trans-Resveratrol	501-36-0	No	No	No	No

US EPA CAA, CWA, TSCA

Hazardous Components (Chemical Name)	CAS #	EPA CAA	EPA CWA NPDES	EPA TSCA	HPV/LPB
1. trans-Resveratrol	501-36-0	HAP, ODC ()	No	No	

16. Other Information

Company Policy or Disclaimer

DISCLAIMER: This information is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigating to determine the suitability of the information for their particular purposes.

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Safety glasses Safety shower in work area Vent Hood
NIOSH approved respirator, as conditions warrant.
Safety glasses
Compatible chemical-resistant gloves
Lab coat
Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.
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