

Safety Data Sheet

Section 1: Product & Company Identification

Product Name:	Resveratrol
Product #:	R-1014
Synonyms:	trans-Resveratrol; 3,4',5-Trihydroxy- <i>trans</i> -stilbene, 5-[(1 <i>E</i>)-2-(4-Hydroxyphenyl)ethenyl]-1,3-benzenediol
Supplier:	AG Scientific Holdings, LLC 9950 Scripps Lake Drive, Suite 104 San Diego, CA 92131 Tele# + 858-452-9925
Emergency Tele#:	ChemTel, Tele# in USA 1-800-255-3924, International 1-813-248-0585

Section 2: Composition / Information on Ingredients

Component	CAS #	EC #	% Composition
Resveratrol	501-36-0		

Section 3: Hazards Identification

Symbols	
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HMIS Rating

Health Hazard	Chronic Health Hazard	Flammability	Physical Hazard

NFPA Rating

Health Hazard	Fire Hazard	Reactivity Hazard

Section 4: First Aid Measures

General Overview:	Show this material safety data sheet to the doctor in attendance.
Inhalation:	Fresh air.
Skin:	Take off all contaminated clothing immediately. Rinse skin with water/shower.

Eyes:	Rinse eyes with plenty of water. Call an ophthalmologist. Remove contact lenses.
Ingestion:	Immediately make victim drink water (two glasses at most). Consult a physician.
	See section 11 for more detailed information on health effects & symptoms.

SECTION 5: Fire Fighting Measures

Flammability of the product:	Combustible
Extinguishing Media:	Water, foam, carbon dioxide (CO ₂), dry powder
Hazardous thermal (de)composition products:	Vapors are heavier than air and may spread along floors. Forms explosive mixtures with air on intense heating. Development of hazardous combustion gases or vapors possible in the event of fire. Carbon oxides
Special Fire Fighting Procedures:	Prevent fire extinguishing water from contaminating surface water or the ground water system. In the event of fire, wear self-contained breathing apparatus.
Flash Point:	>392.0°F / >200.0°C





Section 6: Accidental Release Measures

Personal Precautions:	Advice for non-emergency personnel: Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. Advice for emergency responders: For personal protection see section 8.
Environmental Precautions:	Do not let product enter drains.
Methods for Clean-up:	Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

SECTION 7: Handling & Storage

Storage:	Keep container tightly closed and dry. Storage class: 11, combustible solids Recommended storage temperature: -4°F / -20°C
Handling:	See Section 8 for personal protection

SECTION 8: Exposure controls / Personal Protection

Respiratory Protection:	 <p>Required when dusts are generated.</p> <p>Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.</p> <p>Recommended Filter type: Filter type P2</p>
Skin and Body:	  <p>Protective gloves and lab coat.</p>
Eyes:	 <p>Eye protection. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses.</p>
Ventilation/Engineering Measures:	<p>Ensure adequate ventilation.</p>
Hygiene:	<p>Follow standard good industrial hygiene.</p>
Other:	<p>Contains no substances with occupational exposure limit values.</p>

SECTION 9: Physical and Chemical Properties

Appearance & Odor:	<p>Solid, off-white. Characteristic odor.</p>
Formula	<p>$C_{14}H_{12}O_3$</p>

Molecular Wt.	228.2
Melting Pt.	489.2 - 494.6°F / 254.0 - 257.0°C
Boiling Pt.	No data available
Density:	No data available
Vapor Pressure:	No data available
Evaporation Rate:	No data available
Vapor Density:	No data available
Solubility:	DMF, DMSO, EtOH
Flash Point:	No data available
Autoignition Temp:	No data available

SECTION 10: Stability and Reactivity

Stability:	The product is chemically stable under standard ambient conditions (room temperature).
Hazardous decomposition products:	Forms explosive mixtures with air on intense heating. A range from approx. 15 Kelvin below the flash point is to be rated as critical. The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.
Materials to Avoid:	Strong oxidizing agents
Conditions to avoid:	Strong heating

SECTION 11: Toxicological Information

RTECS#:	CZ8987000
ACUTE Toxicity:	TDLo Oral - Mouse - 200 mg/kg Inhalation: Irritating to respiratory system.
CHRONIC Toxicity:	N/A
Chronic Exposure: Carcinogen: Mutagen: Teratogen: Reproductive:	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC. ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as probable, potential human carcinogen by ACGIH. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as known or anticipated human carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as known or potential human carcinogen by OSHA. EPA: No classification on carcinogenic data is available from EPA

SECTION 12: Ecological Information

Ecotoxicity:	No data available
Mobility:	No data available
Persistence and degradability:	No data available
Bioaccumulative potential:	No data available
Other adverse effects:	No data available
Corrosivity Characteristic:	No data available
General Notes:	Ozone-Depletion Potential Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

SECTION 13: Disposal Considerations

Residue Waste or Unused product:	Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste.
Contaminated Packaging:	Handle uncleaned containers like the product itself.

SECTION 14: Transportation Information

UN ID#:	N/A
ADR / RID (LAND):	Not regulated
DOT regulations:	Not regulated
IMDG/IMO (SEA):	Not regulated
IATA/DGR (AIR):	Not regulated
Special Provisions:	N/A

SECTION 15: Regulatory Information

Health Phrases:	Warning! H319 Causes serious eye irritation.
Risk Phrases:	P264 Wash skin thoroughly after handling. P280 Wear eye protection/ face protection.
Safety Phrases:	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.
EU Regulations:	N/A
US Regulations:	TSCA: Not listed California Proposition 65: No products were found
U.S. Federal Regulations:	SARA 302/304 emergency planning and notification: No products were found. SARA 311/312 MSDS distribution-chemical inventory-hazard identification: Acute Health Hazard SARA 313 toxic chemicals notification and release reporting: No products were found. Clean Water Act (CWA) 307: No products were found. Clean Water Act (CWA) 311: No products were found. Clean Air Act (CAA) 112 accidental release prevention: No products were found. Clean Air Act (CAA) 112 regulated flammable substances: No products were found. Clean Air Act (CAA) 112 regulated toxic substances: No products were found. OSHA:
WHMIS (Canada):	N/A

SECTION 16: Other Information

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