

Mega Resveratrol  
60 Newtown Rd. Suite 32  
Danbury CT 06810  
USA

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## **MATERIAL SAFETY DATA SHEET**

### **RESVERATROL**

#### **SECTION I - Product Identification**

##### **Resveratrol**

Synonyms:

1,3-Benzenediol, 5-[2-(4-hydroxyphenyl)ethenyl]-, (E)

Chemical Family: Inhibitors

Hazard Label:

Molecular Formula: C<sub>14</sub>H<sub>12</sub>O<sub>3</sub>

Molecular Weight: 228.247

NFPA Ratings: (0-4) NFPA Specific Hazards

Health: 2

Flammability: 0

Reactivity: 0

#### **SECTION II - Hazardous Ingredients/Identity Information**

##### **Resveratrol**

Hazardous Components (Specific Chemical Identity/Common Name)

###### **Resveratrol**

CAS #	OSHA PEL	ACGIH TLV	Other Limits	Percentage
501-36-0				100.0

#### **SECTION III - Physical/Chemical Characteristics**

##### **Resveratrol**

Boiling Point: . . . NE or NA

Melting Point: . . . 253.0C to: 255.0C

Specific Gravity: . . . NE or NA (Water = 1)

Vapor Pressure: . . . NE or NA (mm Hg)

Vapor Density: . . . NE or NA (Air = 1)

Physical States: . . . [ ] Gas , [ ] Liquid , [ X ] Solid

Evaporation Rate: . . . NE or NA (Butyl Acetate = 1)

Solubility In Water: . . . NE or NA Other: Soluble in EtOH, DMSO, & DMF >65 mg/ml

Percent Volatile: . . . NE or NA

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Stability: Unstable [ ] Stable [ X ]

Hazardous Polymerization: May occur [ ] Will not occur [ X ]

Appearance and Odor:

A crystalline solid

## **SECTION IV - Fire and Explosion Hazard Data**

### **Resveratrol**

Flash Pt: NE or NA Method Used:

Explosive Limits: LEL: UEL: Autoignition Pt: NE or NA

Extinguishing Media:

Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

Special Fire Fighting Procedures:

As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

Unusual Fire and Explosion Hazards:

Emits toxic fumes under fire conditions.

## **SECTION V - Reactivity Data**

### **Resveratrol**

Stability: Unstable [ ] Stable [ X ]

Conditions To Avoid - Instability:

Incompatibility - Materials To Avoid:

oxidizing materials

Hazardous Decomposition Or Byproducts:

carbon dioxide, carbon monoxide

Hazardous Polymerization: May occur [ ] Will not occur [ X ]

Conditions To Avoid - Hazardous Polymerization:

## **SECTION VI - Health Hazard Data**

### **Resveratrol**

Route(s) of Entry: Inhalation? Yes , Skin? Yes , Eyes? Yes , Ingestion? Yes

Other:

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**Health Hazards (Acute and Chronic):**

Contact may cause skin or eye irritation. The toxicological properties of this compound have not been fully evaluated

Carcinogenicity: NTP? , IARC Monographs? , OSHA Regulated?

Carcinogenicity/Other Information:

Recommended Exposure Limits:

LD 50/LC 50:

Signs and Symptoms Of Exposure:

Irritating to the nose, throat and respiratory tract

Medical Conditions Generally Aggravated By Exposure

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. In case of contact with eyes, hold eyelids apart and flush eyes with plenty of water. After initial flushings, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and tested by medical personnel. In case of skin contact, immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse

## **SECTION VII - Precautions for Safe Handling and Use Resveratrol**

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

Vacuum or sweep up material and place in disposal container. After removal, flush the contaminated area thoroughly with water.

Waste Disposal Method:

Dispose in accordance with local, state and federal regulations.

Precautions To Be Taken in Handling and Storing:

Avoid contact with eyes, skin, and clothing. Do not reuse this container. Use with adequate ventilation. Wash thoroughly after handling.

## **SECTION VIII- Control Measures Resveratrol**

Protective Equipment Summary - Hazard Label Information Eye wash station in work area Lab coat Latex

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disposable gloves Safety glasses Safety shower in work area Vent Hood

Respiratory Equipment (Specify Type):

Ventilation:

Good general ventilation should be sufficient to control airborne levels.

Other Protective Clothing:

Lab coat

Work/Hygienic/Maintenance Practices:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.  
Wash thoroughly after handling.

Eye Protection:

Safety glasses

Protective Gloves:

Latex disposable gloves

## **SECTION IX - Additional Comments**

### **Resveratrol**

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 investigations to determine the suitability of the information for their particular purposes.

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