

Resveratrol Powder

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 /
March 26, 2012 / Rules and Regulation

Revision Date: 21-May-2024
Supersedes: 20-Feb-2023

1 PRODUCT & COMPANY IDENTIFICATION

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|----------------------|--|------------------------------------|--|
| Product Name: | Resveratrol Powder | Distributor: | MakingCosmetics Inc. |
| Synonyms: | No data available | Address: | 10800 231 st Way NE Redmond, WA 98053 (USA) |
| INCI Name: | Resveratrol | Phone / Fax: | 425-292-9502 / 425-292-9601 |
| CAS Number: | 501-36-0 | Web: | www.makingcosmetics.com |
| Formula: | No data available | | |
| Product Form: | C ₁₄ H ₁₂ O ₃ | Emergency Telephone Number: | 1-800-424-9300 (Chemtrec) |
| Product Use: | Cosmetic use | | |

2 HAZARDS IDENTIFICATION

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|--------------------------------------|--|----------|---|---------|--------------|---|----------|------------|---|---------|-----------------|-----|--|
| GHS Classification: | Combustible dust | | | | | | | | | | | | |
| GHS Signal Word: | WARNING | | | | | | | | | | | | |
| GHS Hazard Pictograms: | None. | | | | | | | | | | | | |
| GHS Hazard Statements: | May form combustible dust concentrations in air. | | | | | | | | | | | | |
| GHS Precautionary Statements: | None. | | | | | | | | | | | | |
| Other Hazards: | Risk of dust explosion. | | | | | | | | | | | | |
| Potential Health Hazards: | Eyes: Not expected to be an irritant. Inhalation: May cause irritation. Skin: Not expected to be an irritant. Ingestion: May cause nausea, vomiting, or diarrhea. | | | | | | | | | | | | |
| NFPA Ratings (704): | <table border="0"> <tr> <td>Health</td> <td>0</td> <td>Minimal</td> </tr> <tr> <td>Flammability</td> <td>2</td> <td>Moderate</td> </tr> <tr> <td>Reactivity</td> <td>0</td> <td>Minimal</td> </tr> <tr> <td>Specific Hazard</td> <td>N/A</td> <td></td> </tr> </table> | Health | 0 | Minimal | Flammability | 2 | Moderate | Reactivity | 0 | Minimal | Specific Hazard | N/A | |
| Health | 0 | Minimal | | | | | | | | | | | |
| Flammability | 2 | Moderate | | | | | | | | | | | |
| Reactivity | 0 | Minimal | | | | | | | | | | | |
| Specific Hazard | N/A | | | | | | | | | | | | |
| HMIS IV Ratings: | <table border="0"> <tr> <td>Health</td> <td>0</td> <td>Minimal</td> </tr> <tr> <td>Flammability</td> <td>2</td> <td>Moderate</td> </tr> <tr> <td>Reactivity</td> <td>0</td> <td>Minimal</td> </tr> </table> | Health | 0 | Minimal | Flammability | 2 | Moderate | Reactivity | 0 | Minimal | | | |
| Health | 0 | Minimal | | | | | | | | | | | |
| Flammability | 2 | Moderate | | | | | | | | | | | |
| Reactivity | 0 | Minimal | | | | | | | | | | | |

3 COMPOSITION/INFORMATION ON INGREDIENTS

| <u>Component</u> | <u>CAS No.</u> | <u>Weight %</u> | <u>Molecular Weight</u> |
|------------------|----------------|-----------------|-------------------------|
| Resveratrol | 501-36-0 | 99 - 100% | Not Available |

4 FIRST AID MEASURES

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| Eyes: | Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. Seek medical attention if necessary. |
| Inhalation: | Move to fresh air. If symptoms persist, call a physician. |
| Skin: | Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Seek medical attention if necessary. |
| Ingestion: | Rinse mouth with water. Do not give milk or alcoholic beverages. Do Not Induce Vomiting. Never give anything by mouth to an unconscious person. Seek medical attention if necessary. |

5 FIRE-FIGHTING MEASURES

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| Suitable (and unsuitable) extinguishing media: | May be combustible at high temperature. Use appropriate media (water, foam) for adjacent fire. No unsuitable extinguish media listed. |
| Special protective equipment & precautions for firefighters: | Wear self-contained breathing apparatus and full protective clothing, including eye protection and boots. Fire residues and contaminated fire extinguishing water must be disposed of in |

Specific hazards arising from the chemical: accordance with local regulations. Consider dust explosion hazard. See also Stability and reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures: Avoid dust formation. Do not try to clean up the leak without proper protective equipment. See section 8 for recommendations on the use of personal protective equipment.

Environmental precautions: Avoid liquid release into sewers/public water/environment. Notify environmental authorities in case of leak.

Methods and material for containment and cleaning up: Pick up and arrange disposal without creating dust. Dispose of absorbed material in accordance with the regulations.

7 HANDLING & STORAGE

Precautions for safe handling: Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed. Take precautionary measures against static discharges. Use good personal hygiene practice. See section 8 for recommendations on the use of personal protective equipment.

Conditions for safe storage, incl. any incompatibilities: Keep container tightly closed and dry. Keep away from heat and store away from incompatible materials (see section 10 for incompatibilities).

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

| <u>Component</u> | <u>Exposure Limits</u> | <u>Basis</u> | <u>Entity</u> |
|--------------------|---|---------------|---------------|
| Resveratrol Powder | No substances with occupational exposure limits | Not available | Not available |

TWA: Time Weighted Average over 8 hours of work.
 TLV: Threshold Limit Value over 8 hours of work.
 REL: Recommended Exposure Limit
 PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit during x minutes.
 IDLH: Immediately Dangerous to Life or Health
 WEEL: Workplace Environmental Exposure Levels
 CEIL: Ceiling

Personal Protection:

Eyes: Wear safety glasses with side shields.

Inhalation: None needed but appropriate NIOSH approved respiratory protection may be worn.

Body: Use nitrile rubber gloves and full protective clothing.

Other: Use good personal hygiene practices. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

9 PHYSICAL AND CHEMICAL PROPERTIES

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| Appearance: | Powder | Vapor Pressure at 25 °C: | 0.00014 kPa |
| Odor: | No data available | Vapor Density: | Not applicable |
| Odor Threshold: | No data available | Surface Tension at 20°C: | 72.14 mN/m |
| Color: | Off-white to beige | Flammability: | Not highly flammable |
| Molecular Weight: | 228.25 g/mol | Upper/lower Explosive Limit: | No data available |
| pH: | No data available | Flash Point: | Not applicable |
| Boiling Point: | Not determined | Other Solubility at 24.5 °C: | Ethanol: 110 g/kg Oils and fats: slightly soluble |
| Melting Point: | ca.261 °C (501 °F) | Water Solubility at 20 °C: | ca.22.5 mg/l (pH ca.7) |
| Density at 20 °C: | ca.1.4 g/cm ³ | Auto-ignition Temperature: | > 536 °F/280 °C (None observed in the Grever oven below melting point) |
| Partition Coefficient: n-octanol/water at 35 °C: | log Pow 1.28 | Decomposition Temperature: | Decomposes on heating. Potential for exothermic hazard |
| Dynamic Viscosity: | No data available | Explosive Properties: | Not explosive |

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| Oxidizing Properties: | Not oxidizing | Combustibility: | Combustible dust |
| Powder Volume Resistivity: | ca.6E+11 Ohmm | Minimum Ignition Temp of Dust/Air Mix: | 500 °C |

10 STABILITY AND REACTIVITY

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| Reactivity: | No hazards to be specially mentioned. |
| Chemical Stability: | Stable under recommended storage conditions. |
| Hazardous Polymerization: | No data available. |
| Conditions to Avoid: | Heat. |
| Incompatible Materials: | Strong acids, strong bases, and strong oxidizing agents. |
| Hazardous Decomposition Products: | No decomposition if used as directed. |
| Possible Hazardous Reactions: | Dust may form explosive mixture in air. |

11 TOXICOLOGICAL INFORMATION

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| Acute Toxicity: | (Rat) LD50: > 2,000 mg/kg. |
| Skin: | (Rabbit): 4 hours; No skin irritation (OECD Test Guideline 404) (Rabbit): 14 days Repeated application test: No skin irritation. |
| Eyes: | (Rabbit) No eye irritation (OECD Test Guideline 405) Dust contact with the eyes can lead to mechanical irritation. |
| Inhalation: | No data available. |
| Ingestion: | (Rat) LD50: > 2,000 mg/kg. |
| Carcinogenicity: | No indication for carcinogenicity known. |
| 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. |
| OSHA: | No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens. |
| NTP: | No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. |
| Teratogenicity: | (Female Rat) Oral NOAEL: Not teratogenic; 750mg/kg bw/d (OECD Test Guideline 414) |
| Genotoxicity in Vitro: | Ames Test: Not mutagenic (OECD Test Guideline 471) Chromosome aberration test in vitro: Genotoxic (OECD Test Guideline 473) Not photomutagenic (OECD Test Guideline 471) |
| Genotoxicity in Vivo: | (Rat) Oral in vivo Micronucleus Test: Not genotoxic (OECD Test Guideline 474) |
| Specific Target Organ Toxicity: Repeated Exposure (STOT): | The substance or mixture is not classified as specific target organ toxicant, single exposure. (Rat) Oral NOAEL: 500mg/kg bw/d Subacute toxicity study (28 days) (OECD Test Guideline 407) (Rat) Oral Sub-chronic toxicity study NOAEL: 750mg/kg bw/d; 90 days (OECD Test Guideline 408) |
| Reproductive Toxicity: | No indication for adverse effects on fertility known. |
| Sensitization: | (Mouse) Local Lymph Node Assay (LLNA): Did not cause sensitization (OECD Test Guideline 429) HRIPT: Human Repeat Insult Patch Test (2% solution): Did not cause sensitization. (Guinea pig) No photoallergenic skin reaction. |
| Phytotoxic: | In vitro study: Not phototoxic (OECD Test Guideline 432). |
| Aspiration Toxicity: | No aspiration toxicity classification. |

12 ECOLOGICAL INFORMATION

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| Ecotoxicity: | Toxic to aquatic organisms. |
| Aquatic Vertebrate: | (Zebra fish) LC0: 96 hours; 23 mg/l. The substance tested had no adverse effects up to the maximum water solubility. |
| Aquatic Invertebrate: | (Water flea) EC50: 48 hours; 7.4 mg/l (OECD Test Guideline 202) EC0: 48 hours; 0.65 mg/l. |
| Terrestrial: | (Green algae) ErC50: 72 hours; 2.5 mg/l (OECD Test Guideline 201) ErC0: 72 hours; 0.12 mg/l. (Activated sludge) Concentration of the substance (28 days) 101 mg/l; No inhibition was observed under the biodegradation test conditions (OECD Test Guideline 301F) |
| Persistence and Degradability: | Readily biodegradable. 86%; 28 days (OECD Test Guideline 301F) |
| Bioaccumulative Potential: | log Pow 1.28; 35 °C (OECD Test Guideline 117) |

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| Mobility in Soil: | No data available. |
| PBT and vPvB Assessment: | The substance does not fulfill the PBT or vPvB criteria. |
| Surface Tension: | 72.14 mN/m; 20 °C (OECD Test Guideline 115) |
| Other Adverse Effects: | 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). |

13 DISPOSAL CONSIDERATIONS

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| Waste Residues: | User must determine if any wastes generated exhibit hazardous characteristics as per 40 CFR Part 261 or other national/local legislation. Discharge into the environment must be avoided. Do not contaminate ponds, waterways, or ditches with chemical or used container. Do not dispose of waste into sewer. Offer surplus and non-recyclable solutions to a licensed disposal company. Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies, if necessary, before disposing of waste product container. |
| Product Containers: | Dispose of as unused product. Do not re-use empty containers. Empty containers should be taken to an approved waste handling site for recycling or disposal. Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies, if necessary, before disposing of waste product container. |

The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of the material and alter the waste classification and proper disposal methods

14 TRANSPORT INFORMATION

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| DOT (Dept. of Transportation, USA): | No data available. |
| TDG (Transportation of Dangerous Goods, Canada): | Not regulated as a dangerous good. |
| IMDG (International Maritime Dangerous Goods): | Not regulated as a dangerous good. |
| IATA (International Air Transport Association): | Not regulated as a dangerous good. |
| ICAO (International Civil Aviation Organization): | No data available. |
| 49 CFR: | Not regulated as a dangerous good. |
| Transport in Bulk According to Annex II of MARPOL 73/78 and IBC Code: | Not applicable for product as supplied. |

15 REGULATORY INFORMATION

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| TSCA Inventory Status: | No substances are subject to a Significant New Use Rule. |
| TSCA 12(b) Export Notification: | No substances are subject to TSCA 12(b) export notification requirements. |
| SARA 311/312 Hazard: | Combustible dust. |
| SARA 304: | This material does not contain any components with a section 304 extremely hazardous reportable quantity. |
| SARA 302: | This material does not contain any components with a section 302 extremely hazardous substances threshold planning quantity. |
| SARA 313: | This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313. |
| CERCLA: | This material does not contain any components with a CERCLA reportable quantity. |
| Clean Air Act: | 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). This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61). This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F). This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489). |
| Clean Water Act: | This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A. This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3. |

MA Right to Know: This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307.
PA Right to Know: This product does not contain any priority pollutants related to the U.S. Clean Water Act. No components are subject to the Massachusetts Right to Know Act.
Chemical of High Concern: trans-3,4,5-trihydroxystilbene (501-36-0). Product does not contain any listed chemicals in ME, VT, or WA

16 OTHER INFORMATION

Revision Date: 21-May-2024
Compliance: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
Disclaimer: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage, or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.