

## Material Safety Data Sheet

According to EU Regulation 1907/2006 in the current version

### RESVERATROL PURE POWDER

#### 1. Identification of the substance/mixture and company

Trade name: Resveratrol Pure Powder  
INCI: Resveratrol  
CAS No. : 501-36-0  
Utilization: Raw material for cosmetic use  
Supplier company identification: Elemental SRL, Piața Cazărmii no.15, 410188-Oradea, jud.Bihor, Romania  
Tel/Fax: +40259-436.755, [www.ellemental.com](http://www.ellemental.com)  
Emergency: RO: număr național pentru cazuri de urgență: 021 3183606 Institutul de Sănătate Publică București.  
International emergency number: +49 180 2273-112

#### 2. Hazards Identification

2.1 Classification of the substance or mixture  
Classification (REGULATION (EC) No 1272/2008)  
Not a hazardous substance or mixture.

2.2 Label elements  
Regulatory List  
EC1272/08 Regulation (EC) 1272/2008 (GHS/CLP)  
Precautionary Statement  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P262 Do not get in eyes, on skin, or on clothing

2.3 Other hazards  
None known if handled in accordance with good industrial hygiene and safety practice

#### 3. Declaration of ingredients

3.1 Substances  
Resveratrol CAS#: 501-36-0 Composition min 98% by weight, Water content max 2%.  
Chemical Formula: C<sub>14</sub>H<sub>12</sub>O<sub>3</sub>

3.2 Mixtures  
Not applicable

#### 4. First aid measures

4.1 Description of first aid measures  
General information: No special measures required.  
After inhalation: Supply fresh air ; consult doctor in case of complaint.  
After skin contact: Wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.

## Material Safety Data Sheet

According to EU Regulation 1907/2006 in the current version

### RESVERATROL PURE POWDER

After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: Seek immediate medical advice.

Information for doctor: No further relevant information available

#### 4.2 Most important symptoms and effects, both acute and delayed

None expected

See Section 11 for additional information on health hazards

#### 4.3 Indication of any immediate medical attention and special treatment needed

None known. Treat symptomatically,

### 5. Fire fighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media: foam, dry extinguishing powder, carbon dioxide (CO<sub>2</sub>), water spray jet  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### 5.2 Special hazards arising from the substance or mixture

Wear a self-contained breathing apparatus and chemical protective clothing.

Hazards During Fire-Fighting: toxic fumes

#### 5.3 Advice for firefighters

Special protective equipment for firefighters:

In the event of fire, wear self-contained breathing apparatus. Do not inhale explosion and combustion gases. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

Further information:

Standard procedure for chemical fires.

### 6. Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Wear breathing apparatus if exposed to vapours/dusts/aerosols. Provide adequate ventilation.

#### 6.2 Environmental precautions

Try to prevent the material from entering drains or water courses

#### 6.3 Methods and material for containment and cleaning up

Vacuum or sweep up material and place in disposal container. Avoid raising dust. After removal, ventilate contaminated area and flush thoroughly with water. Keep in suitable, closed containers for disposal.

#### 6.4 Reference to other sections

For personal protection see section 8.

## Material Safety Data Sheet

According to EU Regulation 1907/2006 in the current version

### RESVERATROL PURE POWDER

For disposal considerations see section 13.

#### 7. Handling and storage

##### 7.1 Precautions for safe handling

Advice on safe handling: Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. Avoid prolonged or repeated exposure. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling.

Hygiene measures: General industrial hygiene practice.

##### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers:

To maintain product quality, do not store in heat or direct sun-light.

Keep container tightly closed and dry.

Advice on common storage: No special restrictions on storage with other products.

##### 7.3 Specific end use(s)

Specific use(s):

No Specific end use

#### 8. Exposure controls / personal protection

##### 8.1 Control parameters

Handle in accordance with good industrial hygiene and safety practice

##### 8.2 Exposure controls

Eye/Face protection: Avoid contact with eyes, wear safety glasses.

Skin protection: Lab protective clothing. Nitrile gloves.

Respiratory protection: Wear personal respiratory protective equipment.

Do not take internally.

##### 8.3 Environmental exposure controls

Environmental protection legislation for every country must be observed

#### 9. Physical and chemical properties

##### 9.1 Information on basic physical and chemical properties

Appearance: solid powder

Colour: off-white to ivory

Odour: slight

Odour threshold: no information available.

pH: not determined

Melting point/range: 257-265°C

Boiling point/boiling range: not determined

## Material Safety Data Sheet

According to EU Regulation 1907/2006 in the current version

### RESVERATROL PURE POWDER

Flash point: not determined  
Evaporation rate: not determined  
Lower explosion limit: not determined  
Upper explosion limit: not determined  
Vapour pressure: not determined  
Relative vapour density: Not applicable  
Relative density: not determined  
Density: not determined  
Water solubility: almost insoluble  
Solubility in other solvents: No data available  
Partition coefficient: n-octanol/water: Not applicable  
Auto-ignition temperature: No data available  
Ignition temperature: not determined  
Thermal decomposition: No data available  
Viscosity, dynamic: not determined  
Explosive properties: Not explosive  
Oxidizing properties: No data available

#### 9.2 Other information

No data available

### 10. Stability and reactivity

#### 10.1 Reactivity

No reactivity hazards known. Stable material.

#### 10.2 Chemical stability

The substance/mixture is stable if stored and handled as recommended

#### 10.3 Possibility of hazardous reactions

No hazardous reactions known if stored and handled as recommended

#### 10.4 Conditions to avoid

None known if stored and handled as recommended

#### 10.5 Incompatible materials

Strong acids and strong bases

Strong oxidizing agents

#### 10.6 Hazardous products decomposition

No hazardous decomposition products known if stored and handled as recommended

### 11. Toxicological information

## Material Safety Data Sheet

According to EU Regulation 1907/2006 in the current version

### RESVERATROL PURE POWDER

#### 11.1 Information effects on toxicological

The toxicological effects of this compound have not been thoroughly studied.

Acute oral toxicity: No data available

Skin irritation: Not expected

Eye irritation: May irritate eyes.

Sensitisation: No data available

Genotoxicity in vitro: No data available

Carcinogenicity: No data available

Reproductive toxicity: No data available.

STOT - single exposure: No data available.

STOT - repeated exposure: This information is not available.

Aspiration toxicity: No data available

#### 12. Ecological information

##### 12.1 Toxicity

No data is available on the product.

##### 12.2 Persistence and degradability

No data is available on the product.

##### 12.3 Bioaccumulation potential

No data is available on the product.

##### 12.4 Ground mobility

No data is available on the product.

##### 12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

##### 12.6 Other adverse effects

No data is available on the product.

#### 13. Disposal considerations

##### 13.1 Waste treatment methods

This material and its container should be disposed safely avoiding release to the environment

National and regional provisions that may be in force should be observed

#### 14. Transport information

##### 14.1 UN number

## Material Safety Data Sheet

According to EU Regulation 1907/2006 in the current version

### RESVERATROL PURE POWDER

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Remarks: Not classified as dangerous in the meaning of transport regulations.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

#### 15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Relevant national laws should be carefully observed

15.2 Chemical safety assessment

No chemical safety assessment has been carried out for the substance/mixture

#### 16. Additional information

Evaluation of the need of classification/no classification under Regulation (EC) No 1272/2008 has been carried out by evaluating the available information on the substance/mixture

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Test-ing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regula-tion (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergen-cy Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration as-sociated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good La-boratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships car-rying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - Interna-tional Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; INCI: International Nomenclature of Cosmetic Ingredients; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test popula-tion; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - Interna-tional Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Ef-fect Level;

## Material Safety Data Sheet

According to EU Regulation 1907/2006 in the current version

### RESVERATROL PURE POWDER

NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic sub-stance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quanti-tative) Structure Activity Relationship; PNEC: Predicted No Effect Concentration; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Re-striction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; STE: Short-term exposure; STEL: Short Term Exposure limit; STOT: Specific Target Organ Toxicity; TCSI - Taiwan Chemical Substance Inventory; TECL - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

#### DECLARATION OF ALLERGENS

7th Amendment to Directive 76/768/EC, annex III, part I (2003/15/EC)

I.N.C.I.	C.A.S.	%
Alpha-Hexyl cinnamic aldehyde	101-86-0	-
Amyl cinnamic alcohol	101-85-9	-
Amyl cinnamic aldehyde	122-40-7	-
Anisyl alcohol	105-13-5	-
Benzyl salicylate	118-58-1	-
Benzyl benzoate	120-51-4	-
Benzyl cinnamate	103-41-3	-
Benzyl alcohol	100-51-6	-
Cinnamic alcohol	104-54-1	-
Cinnamic aldehyde	104-55-2	-
Citral	5392-40-5	-
Citronellol	106-22-9	-
Coumarin	91-64-5	-
Eugenol	97-53-0	-
Farnesol	4602-84-0	-
Geraniol	106-24-1	-
Hydroxycitronellal	107-75-5	-
Isoeugenol	97-54-1	-

## Material Safety Data Sheet

According to EU Regulation 1907/2006 in the current version

### RESVERATROL PURE POWDER

alpha-Iso-methyl ionone	127-51-5	-
Limonene	5989-27-5	-
Linalool	78-70-6	-
Lyrar	31906-04-4	-
Methyl heptine carbonate	12/06/11	-
Methyleugenol	93-15-2	-
Oakmoss absolute	9000-50-4	-
p-tert-Butyl-alpha- methylhydrocinnamic aldehyde	80-54-6	-

#### Disclaimer:

This material safety data sheet does not constitute a guarantee of the properties of the product and is not a contractual legal report. The information is given in good faith on the basis of our best knowledge of the product at the indicated time. However, we cannot accept responsibility or liability for any consequences arising from its use, no warranty for correctness and completeness is given. We caution the users against the incurred possible risks when the product is used at other ends than the use for which it was initially planned. It is the user's responsibility during handling, storage and product use to consult the main regulatory texts in force regarding workers and environment protection.