

MSDS - Metabiotics Resveratrol

1. Product and Company Identification

Product Name: Metabiotics Resveratrol
Chemical Family: Mixture
Formula: Not Applicable / Mixture
Description/Use: Personal Care
Emergency Numbers: 1-800-654-6911
Manufacturer: Arch Chemicals, Inc.
501 Merritt 7 PO Box 5204
Norwalk, CT 06856-5204

2. Hazards Identification

Routes of Entry: Inhalation, skin, eyes, ingestion
Chemical Interactions: No known interactions, no reported interactions
Human Threshold Response Data: Odor Threshold: Not established
Irritation Threshold: Not Established

Hazard Ratings:
HMIS **Health 0** **Flammability 1** **Physical/Instability 0**
NFPA **Health 0** **Flammability 1** **Physical/Instability 0**

Immediate (Acute) Health Effects

Inhalation Toxicity: Not expected to be toxic by inhalation. Not tested on animals.
Inhalation Irritation: Not a respiratory irritant.
Skin Toxicity: No significant adverse effects to health would be expected to occur from dermal contact. Not expected to be irritating to the skin.
Skin Absorption: Not expected to be absorbed through the skin.
Eye Toxicity: Contact would not be expected to cause irritation. No corneal involvement or visual impairment is expected.
Ingestion Toxicity: Not expected to be toxic by ingestion. Ingestion may cause irritation of the gastrointestinal tract and gastrointestinal discomfort with any or all of the following symptoms: nausea, vomiting or diarrhea.
Acute Target Organ Toxicity None known

Prolonged (Chronic) Health Effects

Carcinogenicity: This product is not known or reported to be carcinogenic by any reference source including IARC, OSHA, NTP or EPA.
Reproductive and Developmental Toxicity: Not known or reported to cause reproductive or developmental toxicity.
Inhalation: There are no known or reported effects from chronic exposure.
Skin Contact: There are no known or reported effects from chronic exposure.
Skin Absorption: Not expected to be absorbed through the skin.
Ingestion: No known or reported effects from chronic ingestion except for effects similar to those experienced from single exposure.

Sensitization:	Not expected to be a skin sensitizer.
Chronic Target Organ Toxicity	There are no known or reported effects to humans from repeated exposure to this product.
Supplemental Health Hazard Information	No additional health information available.

3. Composition/Information on Ingredients

<u>CAS OR CHEMICAL NAME</u>	<u>CAS#</u>
Water	7732-18-5
Pichia/Resveratrol Ferment Extract	8013-01-2
Phenoxyethanol	122-99-6

4. First Aid Measures

Inhalation	IF INHALED: Remove individual to fresh air. Seek medical attention if breathing becomes difficult or if respiratory irritation develops.
Skin Contact	IF ON SKIN: Flush with for 15 minutes. Take of all contaminated clothing. Seek medical attention if irritation develops.
Eye Contact	IF IN EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention if irritation develops.
Ingestion	IF SWALLOWED: Immediately drink water to dilute. Seek medical attention if symptoms develop. Never give anything by mouth to an unconscious person.

5. Fire Fighting Measures

Flammability Summary (OSHA):	Combustible above 93 deg. C / 200 deg. F.
<u>Flammable Properties</u>	
Flash Point:	> 100 Deg C / 212 Deg F
Autoignition Temperature:	None
Fire / Explosion Hazards:	Material may be ignited only if preheated to high temperatures, for example in a fire.
Extinguishing Media:	Use dry chemical, water fog, carbon dioxide (CO ₂), or foam.
Fire Fighting Instructions:	In case of fire, use normal fire-fighting equipment and the personal protective equipment recommended in Section 8 to include NIOSH approved self-contained breathing apparatus.
Hazardous Combustion Products:	Carbon monoxide, carbon dioxide
Upper flammable / Explosive Limit, % in air:	No data
Lower flammable / Explosive Limit, % in air:	No data

6. Accidental Release Measures

Personal Protection for Emergency Situations	No extra protection required beyond that listed in Section 8. In case of fire, use normal firefighting equipment.
<u>Spill Mitigation Procedures</u>	
Air Release:	Not applicable.
Water Release:	This material is soluble in water. Retain all contaminated water for removal and treatment. Notify all downstream users of possible contamination.
Land Release:	Create a dike or trench to contain materials. Absorb spill with inert material (e.g., dry sand, clay, earth or commercial absorbent), then place in a chemical waste container. Contain all contaminated water for disposal and/or treatment. Do not place spill materials back in their original containers.

Additional Spill Information:

Stop source of spill as soon as possible and notify appropriate personnel. Utilize emergency response personal protection equipment prior to the start of any response. Evacuate all non-essential personnel. Dispose of spill residues per guidelines under Section 13, Disposal Consideration.

7. Handling and Storage

Handling:	Do not take internally. Do not eat or drink when handling. Sterile material. Warm gently and mix well prior to using.
Storage:	Store in a cool, dry and well ventilated place. Isolate from incompatible materials.
Shelf Life Limitations:	Shelf Life is 1 year from date of manufacture in an unopened container. Once material is opened, material should be tested to confirm in spec.
Incompatible Materials for Storage:	Refer to Section 10, "Incompatible Materials."

8. Exposure Controls/Personal Protection

Ventilation: Additional ventilation beyond that of general exhaust is not normally required. No exposure limits exist for the constituents of this product.

Protective Equipment for Routine Use of Product

Respiratory Protection:	Respiratory protection not normally needed.
Skin Protection:	Wear impermeable gloves.
Eye Protection:	Use safety glasses with side shields.
Protective Clothing Type:	Impervious

Exposure Limit Data

<u>CHEMICAL NAME</u>	<u>CAS#</u>	<u>Name of Limit</u>	<u>Exposure</u>
No Data Found			

9. Physical and Chemical Properties

Physical State:	Yellow liquid
Odor	similar to character of standard.
Molecular Weight	Not applicable/mixture
Specific Gravity	1.01 (@ 25 Deg. C)
pH:	3.5 – 6.5 (@ 25 Deg. C)
Boiling Point:	100°C / 212°F
Freezing Point:	No data
Melting Point:	No data
Densite:	No data
Solubility	Soluble in water
Vapor Density	Not applicable
Vapor Pressure	Not applicable
Evaporation Rate	No Data
Volatiles, %by vol.	< 95.5%
VOC Content	0.00 wt%/wt / 0.00 lb/gal
HAP Content	0.00 wt%/wt / 0.00 lb/gal

10. Stability and Reactivity

Stability and Reactivity Summary	Stable under normal conditions. Not sensitive to mechanical shock. Not sensitive to static discharge. Product will not undergo hazardous polymerization.
Conditions to Avoid:	Sparks, open flame, other ignition sources, and elevated temperatures.
Chemical Incompatibility:	Strong oxidizing agents
Hazardous Decomposition Products:	Carbon dioxide, carbon monoxide
Decomposition Temperature:	No data

11. Toxicological Data & Effects

Component Animal Toxicity

Oral LD50 value:

Phenoxyethanol: LD50 = 1,260 mg/kg Rat

Dermal LD50 value:

Phenoxyethanol: LD50 = 5,000 mg/kg Rat

Inhalation LC50 value:

Phenoxyethanol: No data

Product Animal Toxicity

Oral LD50 value : No animal testing is performed.
LD50 Believed to be > 5.0 g/kg; practically non-toxic

Dermal LD50 value: LD50 Believed to be > 5.0 g/kg; practically non-toxic

Inhalation LC50 value: LC50 No data

Skin Irritation: Not irritating to the skin.

Eye Irritation: Not irritating to the eyes.

Skin Sensitization: Not a skin sensitizer.

Reproductive and Developmental Toxicity: Not known or reported to cause reproductive or developmental toxicity.

Phenoxyethanol: This chemical has been tested in laboratory animals and no evidence of teratogenicity, embryotoxicity or fetotoxicity was seen.

Mutagenicity: Not known or reported to be mutagenic.

Phenoxyethanol: This material was non-mutagenic in the Ames test.

Carcinogenicity: This chemical is not known or reported to be carcinogenic by any reference source including IARC, OSHA, NTP, or EPA.

Phenoxyethanol: This chemical is not known or reported to be carcinogenic by any reference source including IARC, OSHA, NTP, or EPA.

12. Ecological Information

Overview: No data for product. Individual constituents are as follows:

Ecological Toxicity Values for: Phenoxyethanol

Fathead minnow	96 h Lc50 – 337-352 mg/l
Harlequin fish, red rasbora	48 h LC50 – 135 mg/l

13. Disposal Considerations

CARE MUST BE TAKEN TO PREVENT ENVIRONMENTAL CONTAMINATION FROM THE USE OF THE MATERIAL. THE USER OF THE MATERIAL HAS THE RESPONSIBILITY TO DISPOSE OF UNUSED MATERIAL, RESIDUES AND CONTAINERS IN COMPLIANCE WITH ALL RELEVANT LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS REGARDING TREATMENT, STORAGE AND DISPOSAL FOR HAZARDOUS AND NON HAZARDOUS WASTES.

Waste Disposal Summary Spent or discarded material is not expected to be a hazardous waste.

Disposal Methods As a nonhazardous liquid waste, it should be disposed of in accordance with local, state and federal regulations or by incineration.

Potential US EPA Waste Codes Not applicable

14. Transport Information

Road (U.S. DOT): Not regulated

Air (IATA): Not regulated

Sea (IMDG): Not regulated

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