

# SAFETY DATA SHEETS

**This SDS packet was issued with item:**

078909887

**The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).**

078909381

# MATERIAL SAFETY DATA SHEET

RenAvast , Feline

FILE NO.:

MSDS DATE: 7/19/13

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## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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**PRODUCT NAME:** RenAvast for Cats  
**SYNONYMS:** AB070597  
**PRODUCT CODES:**

**MANUFACTURER:** Bio Health Solutions  
**DIVISION:**  
**ADDRESS:** 101 Convention Drive Suite 700, Las Vegas, NV 89109

**EMERGENCY PHONE:** 1-800-585-7187 ext 1  
**CHEMTREC PHONE:**  
**OTHER CALLS:** 1-800-585-7187 ext 1  
**FAX PHONE:** 1-702-664-0579

**CHEMICAL NAME:** N/A  
**CHEMICAL FAMILY:** Amino Acid -Peptide  
**CHEMICAL FORMULA:** Trade Secret

**PRODUCT USE:** Veterinary supplement  
**PREPARED BY:**

## SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

**ACTIVE INGREDIENTS:** Proprietary blend of amino acids and peptides not derived from animals

L-Aspartic acid  
L-Carnosine  
L-Glutamic acid  
L-Glutamine  
Glycine  
L-Arginine  
L-Histidine

**OTHER INGREDIENTS:**

Maltodextrin  
Gelatin from capsules  
Magnesium stearate  
Stearic acid

## SECTION 3: HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** Not hazardous to health when used as intended

**ROUTES OF ENTRY:** Ingestion

**POTENTIAL HEALTH EFFECTS**

**EYES:** Contact with eye may cause mild irritation

**SKIN:** None known

**INGESTION:** None known

**INHALATION:** None known

**ACUTE HEALTH HAZARDS:** None known

**CHRONIC HEALTH HAZARDS:** None known

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:**

Repeated or prolonged exposure is not known to aggravate medical conditions

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### CARCINOGENICITY

OSHA: N/A

ACGIH: N/A

NTP: N/A

IARC: N/A

OTHER: N/A

### SECTION 4: FIRST AID MEASURES

**EYES:** Rinse thoroughly with plenty of water

**SKIN:** Wash with water

**INGESTION:** Drink water

**INHALATION:** Move to fresh air

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** N/A

### SECTION 5: FIRE-FIGHTING MEASURES

**FLAMMABLE LIMITS IN AIR, UPPER:** Not flammable  
**(% BY VOLUME) LOWER:** N/A

**FLASH POINT:**

F: N/A

C: N/A

**METHOD USED:** N/A

**AUTOIGNITION TEMPERATURE:**

F: N/A

C: N/A

**NFPA HAZARD CLASSIFICATION**

HEALTH: 0

FLAMMABILITY: 0

REACTIVITY: 0

OTHER: N/A

**HMIS HAZARD CLASSIFICATION**

HEALTH: 0

FLAMMABILITY: 0

REACTIVITY: 0

PROTECTION: N/A

**EXTINGUISHING MEDIA:** N/A

**SPECIAL FIRE FIGHTING PROCEDURES:** N/A

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** N/A

**HAZARDOUS DECOMPOSITION PRODUCTS:** None known

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**ACCIDENTAL RELEASE MEASURES:** If wet, soak up with inert, absorbent material. Sweep up and dispose in accordance with local regulations.

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## SECTION 7: HANDLING AND STORAGE

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**HANDLING AND STORAGE:** No special handling required  
**OTHER PRECAUTIONS:** Keep in properly labeled containers

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING CONTROLS:** General room ventilation  
**VENTILATION :** General room ventilation  
**RESPIRATORY PROTECTION:** N/A  
**EYE PROTECTION:** N/A  
**SKIN PROTECTION:** N/A  
**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Use personal protective equipment to clean up bulk spills  
**WORK HYGIENIC PRACTICES:** Wash after contact  
**EXPOSURE GUIDELINES:** See First Aid Measures

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** White powder, contained in twist-open capsules

**ODOR:** Odorless

**PHYSICAL STATE:** Solid

**pH AS SUPPLIED:** N/A

**pH (Other):** N/A

**BOILING POINT:**

F: N/A

C: N/A

**MELTING POINT:**

F: Not known

C: Not known

**FREEZING POINT:**

F: Not known

C: Not known

**VAPOR PRESSURE (mmHg):**

@

F: N/A

C: N/A

**VAPOR DENSITY (AIR = 1):**

@

F: N/A

C: N/A

**SPECIFIC GRAVITY (H<sub>2</sub>O = 1):**

@

F: N/A

C: N/A

**EVAPORATION RATE:** N/A

**BASIS (=1):** N/A

**MATERIAL SAFETY DATA SHEET**  
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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (con't)**

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**SOLUBILITY IN WATER:** Soluble

**PERCENT SOLIDS BY WEIGHT:** 100%

**PERCENT VOLATILE:** N/A  
**BY WT/ BY VOL @**  
**F:**  
**C:**

**VOLATILE ORGANIC COMPOUNDS (VOC):** N/A

**WITH WATER:** LBS/GAL  
**WITHOUT WATER:** LBS/GAL

**MOLECULAR WEIGHT:** Not provided  
**VISCOSITY:** N/A  
**@**  
**F:**  
**C:**

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**SECTION 10: STABILITY AND REACTIVITY**

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	<u>STABLE</u>	<u>UNSTABLE</u>
<b>STABILITY:</b>	X	
<b>CONDITIONS TO AVOID (STABILITY):</b>		
<b>INCOMPATIBILITY (MATERIAL TO AVOID):</b>		
<b>HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:</b>		
<b>HAZARDOUS POLYMERIZATION:</b>		
<b>CONDITIONS TO AVOID (POLYMERIZATION):</b>		

**SECTION 11: TOXICOLOGICAL INFORMATION**

**TOXICOLOGICAL INFORMATION:** N/A

**SECTION 12: ECOLOGICAL INFORMATION**

**ECOLOGICAL INFORMATION:** Not known

**SECTION 13: DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL METHOD:** Dispose of in accordance with local regulations

**RCRA HAZARD CLASS:** N/A

# MATERIAL SAFETY DATA SHEET

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SECTION 13: DISPOSAL CONSIDERATIONS (con't)

FILE NO.:

MSDS DATE: 7/19/13

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## SECTION 14: TRANSPORT INFORMATION

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### U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: N/A  
HAZARD CLASS:  
ID NUMBER:  
PACKING GROUP:  
LABEL STATEMENT:

### WATER TRANSPORTATION

PROPER SHIPPING NAME: N/A  
HAZARD CLASS:  
ID NUMBER:  
PACKING GROUP:  
LABEL STATEMENTS:

### AIR TRANSPORTATION

PROPER SHIPPING NAME: N/A  
HAZARD CLASS:  
ID NUMBER:  
PACKING GROUP:  
LABEL STATEMENTS:

OTHER AGENCIES:

## SECTION 15: REGULATORY INFORMATION

### U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT):	N/A
CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):	N/A
SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):	N/A
311/312 HAZARD CATEGORIES:	N/A
313 REPORTABLE INGREDIENTS:	N/A

## SECTION 16: OTHER INFORMATION

OTHER INFORMATION:

PREPARATION INFORMATION:

**DISCLAIMER:** The information provided on this Material Safety Data Sheet is believed to be correct but does not purport to be all inclusive and shall be used only as a guide.

# MATERIAL SAFETY DATA SHEET

## trans-Resveratrol

Page: 1

Biological Prospects LLC  
449 Lewis Hargett Circle #190  
Lexington, KY 40503

Revision: 02/07/2012  
Date Created: 02/07/2012

### 1. Product and Company Identification

**Trade Name:** Resverasyn  
**Product Name:** trans-Resveratrol  
**Manufacturer Information**  
**Company Name:** Biological Prospects LLC  
**Emergency Contact:** Biological Prospects LLC 866-721-1412  
**Information:** Biological Prospects LLC 866-721-1412  
**Synonyms:** trans-3,5,4'-Trihydroxystilbene; 3,4',5-Stilbenetriol; (E)-5-(p Hydroxystyryl)resorcinol (E)-5-(4-hydroxystyryl)benzene-1,3-diol

### 2. Hazards Identification

**Emergency Overview:** Harmful.  
Avoid contact and inhalation.  
**Route(s) of Entry:** **Inhalation?** Yes **Skin?** Yes **Eyes?** Yes **Ingestion?** Yes **Other:** Injection  
**Health Hazards (Acute and Chronic):** Causes eye, skin, and respiratory system irritation.  
Material may be irritating to the mucous membranes and upper respiratory tract.  
May be harmful by inhalation or skin absorption.  
The toxicology properties of this product have not been fully evaluated.  
**Signs and Symptoms of Exposure:** May cause allergic skin reaction.

### 3. Composition/Information on Ingredients

Hazardous Components (Chemical Name)	CAS #	Concentration	EC#
1. trans-Resveratrol	501-36-0	≥99.0%	610-504-8

### 4. First Aid Measures

**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. Do NOT induce vomiting unless directed to do so by medical personnel.  
In case of contact with eyes, hold eyelids apart and flush with plenty water for at least 20 minutes. Have eyes examined and tested by medical personnel.  
In case of skin contact, immediately wash skin with soap and plenty of water for at least 20 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

### 5. Fire Fighting Measures

**Flash Pt:** No data.  
**Explosive Limits:** LEL: No data. UEL: No data.  
**Special Fire Fighting Procedures:** As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.  
**Unusual Fire and Explosion Hazards:** No data available.  
**Hazardous Combustion Products:** No data available.  
**Suitable Extinguishing Media:** Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray.  
Use water spray to cool fire-exposed containers.  
**Unsuitable Extinguishing Media:** A solid water stream may be inefficient.

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### 6. Accidental Release Measures

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

Avoid release into the environment.  
Avoid raising and breathing dust, and provide adequate ventilation.  
As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator, and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).  
Transfer to a proper chemical waste container for disposal.

### 7. Handling and Storage

#### Hazard Label Information:

Avoid contact with skin and eyes. Do not reuse this container. Use with adequate ventilation.

#### Precautions To Be Taken In Handling:

Wash thoroughly after handling.  
Avoid breathing (dust, vapor, mist, gas).  
Avoid prolonged or repeated exposure.

#### Precautions To Be Taken In Storing:

Keep tightly closed.  
Store at correct temperature.

### 8. Exposure Controls/Personal Protection

Hazardous Components (Chemical Name)	CAS #	OSHA PEL	ACGIL TLV	Other Limis
1. trans-Resveratrol	501-36-0	No data.	No data.	No data.

#### Protective Equipment Summary –

#### Hazard Label Information:

#### Respiratory Equipment (Specify Type):

#### Eye Protection:

#### Protective Gloves:

#### Other Protective Clothing:

#### Ventilation:

#### Work/Hygienic/Maintenance Practices:

Compatible chemical-resistant gloves    Eye wash station in work area    Lab coat  
Safety glasses    Safety shower in work area    Vent Hood  
NIOSH approved respirator, as conditions warrant.  
Safety glasses  
Compatible chemical-resistant gloves  
Lab coat  
Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.  
Do not take internally.  
Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.  
Wash thoroughly after handling.

### 9. Physical and Chemical Properties

#### Physical States:

[ ] Gas                      [ ] Liquid                      [ X ] Solid

#### Melting Point:

253 to 255°C

#### Boiling Point:

No data.

#### Autoignition Pt:

No data.

#### Flash Pt:

No data.

#### Explosive Limits:

LEL: No data.

UEL: No data.

#### Specific Gravity (Water = 1):

No data.

#### Bulk Density:

No data.

#### Vapor Pressure (vs. Air or mm Hg):

No data.

#### Vapor Density (vs. Air = 1):

No data.

#### Evaporation Rate (vs. Butyl Acetate = 1):

No data.

#### Solubility in Water:

0.03 g/L

#### Solubility Notes:

16 g/L in DMSO; 50 g/L in Ethanol

#### Percent Volatile:

No data.

#### Heat Value:

No data.



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**Particle Size:** No data.  
**Corrosion Rate:** No data.  
**Formula:** C<sub>14</sub>H<sub>12</sub>O<sub>3</sub>  
**Molecular Weight:** 228.20  
**pH:** No data.  
**Appearance and Odor:** A crystalline solid

### 10. Stability and Reactivity

**Stability:** Unstable [ ] Stable [ X ]  
**Conditions To Avoid – Instability:** No data available.  
**Incompatibility – Materials To Avoid:** strong oxidizing agents  
**Hazardous Decomposition Or Byproducts:** carbon dioxide  
carbon monoxide  
**Possibility Of Hazardous Reactions:** Will occur [ ] Will not occur [ X ]  
**Conditions To Avoid - Hazardous Reactions:** No data available.

### 11. Toxicological Information

**:** The toxicological effects of this product have not been thoroughly studied.  
**Carcinogenicity/Other Information:** No data available.  
**Carcinogenicity:** NTP? No      IRAC Monographs? No      OSHA Regulated? No

### 12. Ecological Information

**:** Avoid release into the environment.  
Runoff from fire control or dilution may cause pollution.

### 13. Disposal Considerations

**Waste Disposal Method:** Disposal in accordance with local, state, and federal regulations.

### 14. Transport Information

**LAND TRANSPORT (US DOT)**  
**DOT Proper Shipping Name** Not dangerous goods.  
**LAND TRANSPORT (European ADR/RID)**  
**ADR/RID Proper Shipping Name** Not dangerous goods.  
**AIR TRANSPORT (ICAO/IATA)**  
**ICAO/IATA Proper Shipping Name** Not dangerous goods.  
**Additional Transport Information:** Transport in accordance with local, state, and federal regulations.

### 15. Regulatory Information

**European Community Hazard Symbol codes** Xn: Harmful

#### European Community Risk and Safety Phrases

R22 - Harmful if swallowed.  
R37/38 - Irritating to respiratory system and skin.  
R41 - Risk of serious damage to the eyes.  
R43 - May cause sensitization by skin contact.  
S24/25 - Avoid contact with skin and eyes.  
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

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Revision: 02/07/2012  
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### US EPA SARA Title III

Hazardous Components (Chemical Name)	CAS #	Sec.302 (EHS)	Sec.304 RQ	Sec.313 (TRI)	Sec.110
1. trans-Resveratrol	501-36-0	No	No	No	No

### US EPA CAA, CWA, TSCA

Hazardous Components (Chemical Name)	CAS #	EPA CAA	EPA CWA NPDES	EPA TSCA	HPV/LPB
1. trans-Resveratrol	501-36-0	HAP, ODC ()	No	No	

## 16. Other Information

### Company Policy or Disclaimer

DISCLAIMER: 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 investigating to determine the suitability of the information for their particular purposes.