

## SAFETY DATA SHEETS

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

078011647

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

078360692



**MATERIAL SAFETY DATA SHEET**  
**ALLERDERM® EFA-Z PLUS® Essential Fatty Acid Liquid**  
**Product Code: 004009 and 004015**

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATIONS AND OF THE COMPANY UNDERTAKING**

**Product Name** ALLERDERM® EFA-Z PLUS® Essential Fatty Acid Liquid  
**Product Description** Dietary supplement for cats and dogs  
**Manufacturer/Supplier** Virbac AH, Inc.  
**Address** P.O. Box 162059  
Fort Worth, Texas 76161  
**Phone Number** (800) 338-3659  
**Chemtrec Number (24 hour)** (800) 424-9300  
**Other Emergency Numbers:** Poison Control Center: 1-800-222-1222  
**MSDS Revision Date:** September 13, 2011  
**Supersedes MSDS Dated:** March 13, 2009

*Material Safety Data Sheet in compliance with OSHA's Hazcom Standard (29 CFR 1910.1200)*

**2. HAZARDS IDENTIFICATION**

**Emergency Overview**

**CAUTION!**

For animal use only.  
Keep out of reach of children.  
Read entire label before each use.

**Routes of Entry**

Eye contact - Skin contact - Ingestion - Inhalation

**Carcinogenic Status**

Not considered carcinogenic by NTP, IARC, and OSHA.

**Target Organs**

Eyes - Skin

**Health Effects - Eyes**

Contact with eyes may cause slight irritation.

**Health Effects - Skin**

Contact with skin may cause slight irritation.

**Health Effects - Ingestion**

Ingestion of large quantities of this material may cause gastrointestinal effects such as nausea, vomiting, diarrhea, and abdominal cramps.

**Health Effects - Inhalation**

No adverse effects are expected during normal conditions of use.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Component Name</b>	<b>CAS Number</b>	<b>Concentration</b>
Sunflower Oil	8001-21-6	85 - 95%
Fish Oil	8016-13-5	1 - 10%
Borage Seed Oil	225234-12-8	1 - 10%
Zinc Sulfate Monohydrate	7446-19-7	<1%



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#### **4. FIRST AID MEASURES**

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##### **Eyes**

Immediately flood the eye with plenty of water for at least 15-20 minutes, holding the eye open. Obtain medical attention if soreness or redness persists.

##### **Skin**

If irritation develops wash skin thoroughly with soap and water. Obtain medical attention if redness or soreness persists.

##### **Ingestion**

Call a poison control center or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

##### **Inhalation**

Remove person to fresh air. Seek medical attention if symptoms persist.

##### **Advice to Physicians**

Treat symptomatically.

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#### **5. FIRE - FIGHTING MEASURES**

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##### **Extinguishing Media**

Use extinguishing media appropriate for surrounding materials.

##### **Unusual Fire and Explosion Hazards**

Can release hazardous vapors during a fire.

##### **Protective Equipment for Fire-Fighting**

Wear full protective clothing and self-contained breathing apparatus.

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#### **6. ACCIDENTAL RELEASE MEASURES**

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Wear appropriate protective clothing. Wipe up and transfer into suitable containers for recovery or disposal. Prevent the material from entering drains or watercourses.

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#### **7. HANDLING AND STORAGE**

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Store in original container at room temperature. Store away from children and pets. Avoid contact with eyes.

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#### **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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##### **Occupational Exposure Standards**

Exposure limits are listed below, if they exist.

##### **Sunflower Oil (as Vegetable Oil Mist)**

OSHA: PEL 5 mg/m<sup>3</sup> 8h TWA respirable fraction  
15mg/m<sup>3</sup> 8h TWA total dust

##### **Fish Oil**

None established

##### **Borage Seed Oil**

None established

##### **Zinc Sulfate Monohydrate**

None established



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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Engineering Control Measures

No specific measures necessary. Good general room ventilation is expected to be adequate to control airborne levels.

### Respiratory Protection

Not required under normal conditions of use.

### Hand Protection

Use gloves if excessive exposure to skin.

### Eye Protection

Not required under normal conditions of use.

### Body Protection

Normal work wear.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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Physical State	Liquid with powder settled on bottom
Color	Yellow - tan
Odor	Chicken
pH	No data available
Specific Gravity	No data available
Boiling Range/Point (°C/F)	No data available
Melting Point (°C/F)	No data available
Flash Point (PMCC) (°C/F)	> 110/230 ( Sunflower Oil)
Explosion Limits (%)	No data available
Vapor Pressure	No data available
Density	No data available
Solubility in Water	No data available
Vapor Density (Air = 1)	No data available

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## 10. STABILITY AND REACTIVITY

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### Stability

Stable under normal conditions.

### Conditions to Avoid

Heat - high temperatures

### Materials to Avoid

Strong oxidizers

### Hazardous Polymerization

Will not occur.

### Hazardous Decomposition Products

Oxides of carbon

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## 11. TOXICOLOGICAL INFORMATION

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See product packaging for additional information.

### Acute Toxicity

Zinc Sulfate Monohydrate: Oral LD50 2,280 mg/kg

### Specific Target Organ Systemic Toxicity (single and repeat)

No relevant studies identified.



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## 11. TOXICOLOGICAL INFORMATION

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**Serious Eye damage/Eye Irritation**

No relevant studies identified.

**Skin Corrosion/Irritation**

No relevant studies identified.

**Respiratory or Skin Sensitization**

No relevant studies identified.

**Carcinogenicity**

Not considered carcinogenic by NTP, IARC, and OSHA.

**Germ Cell Mutagenicity**

Zinc Sulfate Monohydrate: Both positive and negative effects have been reported.

**Toxicity to Reproduction**

No relevant studies identified.

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## 12. ECOLOGICAL INFORMATION

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**Mobility**

No relevant studies identified.

**Persistence/Degradability**

No relevant studies identified.

**Bio-accumulation**

No relevant studies identified.

**Ecotoxicity**

No relevant studies identified.

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## 13. DISPOSAL CONSIDERATIONS

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Dispose of in accordance with all applicable local and national regulations.

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## 14. TRANSPORT INFORMATION

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Contact supplier for transport information.

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## 15. REGULATORY INFORMATION

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<b>US REGULATIONS (Federal, State) and INTERNATIONAL CHEMICAL REGISTRATION LAWS</b>
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**TSCA Listing**

This product contains ingredients that are not listed on the EPA Toxic Substance Control Act Chemical Substance (TSCA) Inventory.

**DSL (Canadian) Listing**

This product contains ingredients that have not been verified for listing on the Domestic Substance List (DSL).

**WHMIS Classification**

This product is not a controlled substance under WHMIS.

This product was classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations and the MSDS contains all the information required by these regulations.

**MA Right To Know Law**

This product contains the following chemicals on the Massachusetts Right to Know Law: Zinc Sulfate

**PA Right To Know Law**

This product contains the following chemicals on the Pennsylvania Hazardous Substance List: Zinc Sulfate



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**15. REGULATORY INFORMATION**

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**NJ Right To Know Law**

This product contains the following chemicals on the New Jersey Workplace Hazardous Substance List: Zinc Sulfate

**California Proposition 65**

This product contains a chemical which the State of California has found to cause cancer, birth defects or other reproductive harm.

**SARA Title III Sect. 311/312 Categorization**

None

**SARA Title III Sect. 313**

This product contains the following chemicals that are listed in Section 313 at or above de minimis concentrations: None

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**16. OTHER INFORMATION**

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**NFPA Ratings**

NFPA Code for Flammability - 1

NFPA Code for Health - 1

NFPA Code for Reactivity - 0

NFPA Code for Special Hazards - 0

**HMIS Ratings**

HMIS Code for Flammability - 1

HMIS Code for Health - 1

HMIS Code for Reactivity - 0

HMIS Code for Personal Protection - See Section 8

**Abbreviations**

ACGIH: American Conference of Governmental Industrial Hygienists

BOD: Biological Oxygen Demand

CAS#: Chemical Abstracts Service Number

FIFRA: Federal Insecticide, Fungicide and Rodenticide Act

IARC: International Agency for Research on Cancer

LC50: Lethal Concentration 50%

LD50: Lethal Dose 50%

N/A: Denotes no applicable information found or available

NTP: National Toxicology Program

OSHA: Occupational Safety and Health Administration

PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit

TLV: Threshold Limit Value

TSCA: Toxic Substance Control Act

**For further information call:** (800) 338-3659

**Prepared By:** EnviroNet LLC

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