



**MATERIAL SAFETY DATA SHEET**  
**HUMILAC® Spray**  
**Product Code: 002508**

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

**Product Name** HUMILAC® Spray  
**Product Description** Dry skin spray for dogs and cats  
**Manufacturer/Supplier** Virbac AH, Inc.  
**Address** P.O. Box 162059  
Fort Worth, Texas 76161  
**Phone Number** (800) 338-3659 for Technical Support  
**Chemtrec Number (24 hour)** (800) 424-9300  
**Emergency Number:** (800) 338-3659 for Human and Animal Medical Emergencies  
**MSDS Revision Date:** March 4, 2011  
**Supersedes MSDS Dated:** March 3, 2009

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

**2. HAZARDS IDENTIFICATION**

**Emergency Overview**  
**CAUTION!**  
Avoid contact with eyes and mucous membranes.  
Avoid breathing spray, mist or vapors.  
Harmful if swallowed.  
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 - Respiratory System - Kidneys

**Health Effects - Eyes**

Contact with eyes can cause severe irritation.

**Health Effects - Skin**

Contact with skin may cause irritation.

**Health Effects - Ingestion**

Harmful if swallowed. Ingestion of this material may cause gastrointestinal effects such as nausea, vomiting and diarrhea. Repeated exposure may cause kidney damage.

**Health Effects - Inhalation**

Prolonged, repeated inhalation of spray, mist or vapors may cause respiratory irritation.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

| <b>Component Name</b> | <b>CAS Number</b> | <b>Concentration</b> |
|-----------------------|-------------------|----------------------|
| Propylene Glycol      | 57-55-6           | 1 - 10%              |
| Glycerin              | 56-81-5           | 10 - 20%             |



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**3. COMPOSITION/INFORMATION ON INGREDIENTS**

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| <b>Component Name</b> | <b>CAS Number</b> | <b>Concentration</b> |
|-----------------------|-------------------|----------------------|
| Lactic Acid           | 79-33-4           | 1 - 10%              |
| Urea                  | 57-13-6           | 1 - 10%              |

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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 in a cool, dry place. Store away from children and pets. Do not store near foodstuffs. Do not contaminate water, food or feed by storage. Wear appropriate protective clothing. Avoid contact with eyes. Wash hands thoroughly after handling and before eating, drinking or smoking. Store at room temperature between 59°F and 86°F.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**Occupational Exposure Standards**

Exposure limits are listed below, if they exist.

**Glycerin (Mist)**

ACGIH: TLV 10 mg/m<sup>3</sup> 8h TWA.

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

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**Propylene Glycol**

None established

**Lactic Acid**

None established

**Urea**

None established

**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. Professional groomers and those with repeated and extended exposures should consider the use of respiratory protection if there is a risk of exposure to high vapor concentrations or aerosols. The specific respirator selected must be based on the airborne concentration found in the workplace and must not exceed the working limits of the respirator.

**Hand Protection**

Chemical resistant gloves.

**Eye Protection**

Safety glasses or goggles.

**Body Protection**

Waterproof apron.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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|                                   |                   |
|-----------------------------------|-------------------|
| <b>Physical State</b>             | Liquid            |
| <b>Color</b>                      | Clear             |
| <b>Odor</b>                       | Menthol           |
| <b>pH</b>                         | No data available |
| <b>Specific Gravity</b>           | 1.06              |
| <b>Boiling Range/Point (°C/F)</b> | No data available |
| <b>Melting Point (°C/F)</b>       | No data available |
| <b>Flash Point (PMCC) (°C/F)</b>  | Not flammable     |
| <b>Explosion Limits (%)</b>       | No data available |
| <b>Vapor Pressure</b>             | No data available |
| <b>Density</b>                    | No data available |
| <b>Solubility in Water</b>        | Soluble           |
| <b>Vapor Density (Air = 1)</b>    | 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 – strong acids - bases

### Hazardous Polymerization

Will not occur.

### Hazardous Decomposition Products

Oxides of carbon – organic compounds - acrolein

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## 11. TOXICOLOGICAL INFORMATION

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See product packaging for additional information.

### Acute Toxicity

Propylene Glycol: Oral LD50 (rat) 22,000 mg/kg

Glycerin: Oral LD50 (Rat) 12,600 mg/kg

Lactic acid: LD50 Rat oral 3730 mg/kg, LC50 Rat inhalation 7.94 mg/L/4 hr

Urea: Oral LD50 (rat) 8471 mg/kg

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

Propylene Glycol: In animal studies propylene glycol has been shown to cause kidney damage.

### Serious Eye damage/Eye Irritation

Propylene Glycol: Mild eye irritation (rabbit)

Lactic acid: Severe eye irritation (rabbit - Draize Test)

Urea: Not irritating (rabbit - 50% solution)

Glycerin: Animal studies have shown glycerin to be not irritating or slightly irritating to eyes.

### Skin Corrosion/Irritation

Propylene Glycol: Mild skin irritation (human, 7d)

Urea: Not irritating (Mouse -10% solution)

Lactic acid: Skin irritant (rabbit 24 h Draize Test)

Glycerin: Human skin tests have shown glycerin to be slightly irritating.

### Respiratory or Skin Sensitization

No relevant studies identified.

### Carcinogenicity

Not considered carcinogenic by NTP, IARC, and OSHA.

### Germ Cell Mutagenicity

Urea: Laboratory studies have shown urea to be mutagenic but only at very high doses.

Lactic acid: Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

### Toxicity to Reproduction

Lactic acid: A reproductive toxicity study in mice (oral) showed maternal effects and developmental abnormalities to the fetal musculoskeletal system.

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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.



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**12. ECOLOGICAL INFORMATION**

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**Ecotoxicity**

Propylene Glycol: EC50 Daphnia magna > 10,000 mg/l 48 h

Urea: EC50 Daphnia magna >10,000 mg/l 24h

Lactic acid: EC50 Daphnia magna (Water flea) 180 - 320 mg/l 48 h

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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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|                                |               |
|--------------------------------|---------------|
| <b>DOT CFR 172.101 Data</b>    | Not Regulated |
| <b>UN Proper Shipping Name</b> | Not Regulated |
| <b>UN Class</b>                | None.         |
| <b>UN Number</b>               | None.         |
| <b>UN Packaging Group</b>      | None.         |

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**14. TRANSPORT INFORMATION**

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| <b>Classification for AIR Transportation (IATA)</b> | Consult current IATA Regulations prior to shipping by air. |
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**15. REGULATORY INFORMATION**

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**US REGULATIONS (Federal, State) and INTERNATIONAL CHEMICAL REGISTRATION LAWS**

**TSCA Listing**

This product contains ingredients that are listed on or exempt from listing on the EPA Toxic Substance Control Act Chemical Substance (TSCA) Inventory.

**DSL (Canadian) Listing**

This product contains ingredients that are listed on the Domestic Substance List (DSL).

**WHMIS Classification**

D.2.B

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: Glycerin mist (56-81-5)

**PA Right To Know Law**

This product contains the following chemicals on the Pennsylvania Hazardous Substance List: Propylene Glycol (57-55-6) – Glycerin (56-81-5)

**NJ Right To Know Law**

This product contains the following chemicals on the New Jersey Workplace Hazardous Substance List: None

**California Proposition 65**

This product contains the following materials which the State of California has found to cause cancer, birth defects or other reproductive harm: None

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

Immediate (acute) Delayed (chronic)



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**15. REGULATORY INFORMATION**

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**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 - 0  
NFPA Code for Health - 1  
NFPA Code for Reactivity - 0  
NFPA Code for Special Hazards – 0

**HMIS Ratings**

HMIS Code for Flammability - 0  
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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