

SAFETY DATA SHEETS

This SDS packet was issued with item:

078011712

N/A

MATERIAL SAFETY DATA SHEET	MSDS # 3510-374
Identity: DERMACOOL[®] HC Spray for Dogs, Cats and Horses	Page 1 of 2
Product Code 006902 and 006904	

Section I	
Supplier Information:	Emergency Telephone Number
Name: VIRBAC CORP. (Virbac AH Inc., Allerderm [®] , Francodex [®] , Mardel [®] , St. JON [®] , PMResources, Zema [®])	Transportation: Chemtrec 800-424-9300 Other emergencies: POISON CONTROL CENTER or 911
Address: P. O. BOX 162059	Telephone Number for Information
City: FORT WORTH	Contact Virbac: 800/338-3659
State: TX 76161	

Section II - Hazardous Ingredients/Identity Information					
Hazardous Components	OSHA PEL	ACGIH TLV	STEL	CAS #	% (opt.)
Non Hazardous as defined by 29CFR Part 1910.1200 (Special Chemical Identification; Common Name)					
Hydrocortisone	Not Applicable	Not Applicable	Not Applicable	50-23-7	1%
Propylene glycol	Not Applicable	Not Applicable	Not Applicable	57-13-6	
Alcohol	Not Applicable	Not Applicable	Not Applicable	64-17-5	
Colloidal Oatmeal	Not Applicable	Not Applicable	Not Applicable		
Lactic Acid	Not Applicable	Not Applicable	Not Applicable	50-21-5	
Fragrance	Not Applicable	Not Applicable	Not Applicable		
PCMX	Not Applicable	Not Applicable	Not Applicable	88-04-0	
Menthol	Not Applicable	Not Applicable	Not Applicable	2216-51-5	
Hamamelis Extract	Not Applicable	Not Applicable	Not Applicable		
FD&C Blue #1	Not Applicable	Not Applicable	Not Applicable	3844-45-9	

Section III - Physical/Chemical Characteristics	
Boiling Point:	212° F (GT)
Specific Gravity (H ₂ O = 1):	0.90
Vapor Pressure (mm Hg):	Not Applicable
Melting Point:	Not Applicable
Vapor Density (AIR = 1):	Not Applicable
Evaporation Rate (Butyl Acetate = 1):	Not Applicable
Solubility in Water:	Complete
Appearance and Odor:	Clear to slightly blue liquid with characteristic menthol odor.

Section IV - Fire and Explosion Hazard Data	
Flash Point (Method Used):	Not Applicable
Flammable Limits:	LEL: Not Applicable UEL: Not Applicable
Extinguishing Media:	Water spray, dry chemical, carbon dioxide, or foam suitable for the surrounding fire and materials.
Special Firefighting Procedures:	Not applicable
Unusual Fire and Explosion Hazards:	Not applicable

Section VI - Health Hazard Data			
Routes of Entry:	Inhalation? YES	Skin? YES	Ingestion? YES
Health Hazards (Acute and Chronic):			
Carcinogenicity:	NTP? NO	IARC Monographs? NO	OSHA Regulated? NO
Signs and Symptoms of Exposure:	Possible irritation of the skin or eyes. Immunodepression. Adverse effects of overdose include suppression of adrenal gland secretion, Cushing's Syndrome, water retention, electrolyte imbalance and hyperglycemia.		
Medical Conditions Generally Aggravated by Exposure:	Hypersensitivity to the material.		

Identity: DERMACOOOL[®] HC Spray for Dogs, Cats and Horses

Page 2 of 2

Product Code 006902 and 006904

Section VI - Health Hazard Data (continued)

Emergency and First Aid Procedures

INGESTED: If appreciable quantities are swallowed, call a physician or the Poison Control Center. Do not induce vomiting. Never give anything by mouth to an unconscious person.

SKIN CONTACT: Rinse skin immediately with plenty of water for 15-20 minutes. Call a Poison Control Center or doctor for treatment advice. Wash contaminated clothing before reuse.

EYE CONTACT: Hold eye open and rinse slowly with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes. Call a Poison Control Center or doctor for treatment advice.

INHALATION: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferable by mouth-to-mouth, if possible. Call a Poison Control Center or doctor for further treatment advice.

Note to Physician:

This solution has a low oral and dermal toxicity is minimally irritative to the eyes and respiratory tract, and practically non-irritating to the skin. Reversible skin sensations may occur and ordinary skin salves have been found useful in reducing discomfort. Treatment otherwise indicated is controlled removal of exposure followed by symptomatic and supportive care.

Section VII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled: Dike and contain spill. Clean with inert absorbent material and collect for disposal.

Waste Disposal Method: Wrap container and dispose of in accordance with all applicable federal, state, and local laws.

Precautions to be Taken in Handling or Storage: Store in a tightly closed container, in a cool dry area.

Other Precautions: Keep out of the reach of children.
For animal use only.
For topical use only.
Avoid contact with eyes or mucus membranes.
Wash hands after using.

Section VIII - Control Measures

Respiratory Protection: Not applicable

Ventilation Local Exhaust: Not Applicable
Special: Not Applicable
Mechanical (General): Not Applicable

Protective Gloves: Waterproof gloves, preferably elbow length for prolonged or repeated exposure

Eye Protection: NIOSH approved safety glasses or goggles.

Other Protective Clothing or Equipment: Protective clothing, i.e., and waterproof aprons should be worn by persons, who repeatedly use or are exposed to this product in grooming operations.

Work/Hygienic Practices: Wash hands after using.

Section IX - Additional Information

Dermacool, Allerderm, and St. JON are registered trademarks of Virbac AH, Inc.
Francodex is a registered trademark of VBSA.
Mardel and Zema are registered trademarks of Virbac Corporation.

Disclaimer of Expressed and Implied Warranties: This information is provided in good faith but without express or implied warranty. Buyer assumes all responsibility for safety and use not in accordance with label instructions.

Prepared by QA Department
New MSDS Dated: February 1, 2006
Supersedes MSDS Date: September 16, 2003



SAFETY DATA SHEET DERMACOOL® HC Spray

1. IDENTIFICATION

Product Name	DERMACOOL® HC Spray
Recommended use of the chemical and restrictions on use	
Identified uses	Spray for cats, dogs and horses for temporary relief of localized itching and inflammation
Restrictions on Use	Federal law restricts this drug to use by or on the order of a licensed veterinarian.
Company Identification	Virbac AH, Inc. P.O. Box 162059 Fort Worth, Texas 76161 (800) 338-3659
Customer Information Number	
Emergency Telephone Number	
CHEMTREC Number	(800) 424-9300
Other Emergency Number:	Poison Control Center: 1-800-222-1222 (human) HOT LINE NUMBER: 1-800-345-4735 (human and pet)
Issue Date	June 17, 2015
Supersedes Date	March 3, 2011
<i>Safety Data Sheet prepared in accordance with OSHA's Hazard Communication Standard (29 CFR 1910.1200) and the Globally Harmonized System of Classification and Labelling of Chemicals (GHS)</i>	

2. HAZARD IDENTIFICATION

Hazard Classification
Flammable Liquids - Category 2
Toxic to Reproduction - Category 2

Label Elements
Hazard Symbols



Signal Word: Danger

Hazard Statements
Highly flammable liquid and vapor.
Suspected of damaging fertility or the unborn child.

Precautionary Statements

Prevention

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wear eye protection, face protection, protective clothing and protective gloves.
Keep away from heat, sparks, open flame, hot surfaces. - No smoking.
Keep container tightly closed.
Use only non-sparking tools.
Take precautionary measures against static discharge.



2. HAZARD IDENTIFICATION

Response

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

In case of fire: Use extinguishing measures that appropriate to local circumstances.

If exposed or concerned: Get medical advice/attention.

Storage

Store in a well-ventilated place.

Keep cool.

Keep locked up.

Disposal

Dispose of contents/container in accordance with local regulation.

Other Hazards

None identified.

Specific Concentration Limits

The values listed below represent the percentages of ingredients of unknown toxicity.

Acute oral toxicity	<10%
Acute dermal toxicity	<10%
Acute inhalation toxicity	45 - 55%
Acute aquatic toxicity	45 - 55%

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms:

This product is a mixture.

Component Name	CAS Number	Concentration
Ethyl Alcohol	64-17-5	40 - <50%%
Hydrocortisone	50-23-7	1 - 5%

4. FIRST - AID MEASURES

Description of necessary first-aid measures

Eyes

Immediately flood the eye with plenty of water, 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.



4. FIRST - AID MEASURES

Most important symptoms/effects, acute and delayed

Aside from the information found under Description of necessary first aid measures (above) and Indication of immediate medical attention and special treatment needed, no additional symptoms and effects are anticipated.

Indication of immediate medical attention and special treatment needed

Notes to Physicians

Treat symptomatically.

5. FIRE - FIGHTING MEASURES

Extinguishing Media

Use foam, dry chemical or carbon dioxide. Be aware of the possibility of re-ignition. Keep containers and surroundings cool with water spray.

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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Wear appropriate protective clothing. Eliminate all sources of ignition. Use non-sparking tools for flammable materials.

Environmental Precautions

Prevent the material from entering drains or watercourses.

Methods and materials for containment and cleaning up

Wipe up and transfer into suitable containers for recovery or disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Wear appropriate protective clothing.

Conditions for safe storage

Store in original container in a cool, dry place. Store away from children and pets. Store away from sources of heat or ignition. Storage area should be: cool - dry - well ventilated - away from incompatible materials - out of direct sunlight - away from sources of ignition (heat, sparks, flames, and pilot lights)



8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure limits are listed below, if they exist.

Ethyl Alcohol

ACGIH: 1000 ppm 15-min STEL

OSHA: PEL 1000 ppm (1900 mg/m³) 8h TWA

Appropriate engineering controls

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

Individual protection measures

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.

Skin Protection

Chemical resistant gloves

Eye/Face Protection

Safety glasses or goggles

Body Protection

Apron

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

	Physical State	Liquid
	Color	Clear to light blue
Odor		Menthol
Odor Threshold		No data available
pH		No data available
Specific Gravity		1.04
Boiling Range/Point (°C/F)		No data available
Melting Point (°C/F)		No data available
Flash Point (PMCC) (°F)		Ethanol: 55°F/13°C
Vapor Pressure		No data available
Evaporation Rate (BuAc=1)		No data available
Solubility in Water		No data available
Vapor Density (Air = 1)		No data available
VOC		No data available
Partition coefficient (n-octanol/water)		Not applicable
Viscosity		Not applicable
Auto-ignition Temperature		No data available
Decomposition Temperature		No data available
Upper explosive limit		No data available
Lower explosive limit		No data available
Flammability (solid, gas)		No data available



10. STABILITY AND REACTIVITY

Reactivity

Data is not available

Chemical Stability

Stable under normal conditions.

Possibility of hazardous reactions

Hazardous polymerization will not occur.

Conditions to Avoid

Heat - high temperatures - sources of ignition - contact with incompatible materials

Incompatible Materials

Oxidizers - acids

Hazardous Decomposition Products

Oxides of carbon – organic compounds

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Ethyl Alcohol

Oral LD50 (rat) 7060 mg/kg

Inhalation LC50 (rat) 117 mg/l

Specific Target Organ Toxicity (STOT) – single exposure

Hydrocortisone: No relevant studies identified.

Ethyl Alcohol: Available data indicates this ingredient is not expected to cause target organ effects after a single exposure.

Specific Target Organ Toxicity (STOT) – repeat exposure

Hydrocortisone: No relevant studies identified.

Ethyl Alcohol: Available data indicates this ingredient is not expected to cause target organ effects after repeated exposure.

Serious Eye damage/Irritation

Ethyl Alcohol: Causes severe eye irritation ($\geq 50\%$ solution).

Hydrocortisone: No relevant studies identified.

Skin Corrosion/Irritation

Hydrocortisone: No relevant studies identified.

Ethyl Alcohol: Available data indicates this ingredient is not expected to cause skin irritation.

Respiratory or Skin Sensitization

Hydrocortisone: No relevant studies identified.

Ethyl Alcohol: Available data indicates this ingredient is not expected to cause skin or respiratory sensitization.

Carcinogenicity

Not considered carcinogenic by NTP, IARC, and OSHA.



11. TOXICOLOGICAL INFORMATION

Germ Cell Mutagenicity

Hydrocortisone: Negative for gene mutation in *Salmonella typhimurium* (with and without activation) and for unscheduled DNA synthesis in rat hepatocytes. It was positive for chromosomal aberrations in human lymphocytes and for sister chromatid exchange in mouse bone marrow.

Ethyl Alcohol: Available data indicates this ingredient is not expected to be mutagenic.

Reproductive Toxicity

Hydrocortisone is rated by the FDA for therapeutic use as Pregnancy Category C: Animal reproduction studies have shown an adverse effect on the fetus and there are no adequate and well-controlled studies in humans, but potential benefits may warrant use of the drug in pregnant women despite potential risks.

Ethyl Alcohol: Ingestion of ethyl alcohol during pregnancy has caused adverse reproductive effects (fetal alcohol syndrome) but only at doses that are maternally toxic.

Aspiration Hazard

Not an aspiration hazard.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ethyl alcohol

LC50 *Pimephales promelas* (fathead minnows) 14.2 g/L/96 hr

LC50 *Daphnia magna* (Water flea) 9268-14221 mg/L/48 hr

Mobility in soil

No relevant studies identified.

Persistence/Degradability

No relevant studies identified.

Bioaccumulative Potential

No relevant studies identified.

Other adverse effects

No relevant studies identified.

13. DISPOSAL CONSIDERATIONS

Disposal Methods

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

14. TRANSPORT INFORMATION

Contact supplier for transport information.

15. REGULATORY INFORMATION

United States TSCA Inventory

This product is a drug and therefore is not regulated under the US EPA Toxic Substance Control Act.



15. REGULATORY INFORMATION

Canada DSL Inventory

This product is a drug and therefore is not regulated under the Canadian Environmental Protection Act.

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

Delayed (Chronic) Health Hazard , Fire hazard

SARA Title III Sect. 313

This product contains a chemical that is listed in Section 313 at or above de minimis concentrations. The following listed chemicals are present: None

16. OTHER INFORMATION

Legend

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

Revision Date: June 17, 2015

Replaces: March 3, 2011

Changes made: Update to GHS.

Information Source and References

This SDS is prepared by Hazard Communication Specialists based on information provided by internal company references.

Prepared By: EnviroNet LLC.

DERMACOOL is a registered trademark of Virbac AH, Inc.

The information and recommendations presented in this SDS are based on sources believed to be accurate. Virbac AH, Inc. assumes no liability for the accuracy or completeness of this information. It is the user's responsibility to determine the suitability of the material for their particular purposes. In particular, 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 ensure that any use or disposal of the material is in accordance with applicable Federal, State, and local laws and regulations.