



MATERIAL SAFETY DATA SHEET
DERMACOOL[®] Spray with Lidocaine
Product Code: 006104

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

Product Name DERMACOOL[®] Spray with Lidocaine
Product Description Topical anesthetic for dogs, cats, and horses
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 3, 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 - Central Nervous System - Kidneys - Heart

Health Effects - Eyes

Contact with eyes can cause 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 adverse effects to kidneys, heart, and central nervous system.

Health Effects - Inhalation

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component Name	CAS Number	Concentration
Propylene Glycol	57-55-6	35 - 45%
Glycerin	56-81-5	1 - 10%



3. COMPOSITION/INFORMATION ON INGREDIENTS

Component Name	CAS Number	Concentration
Lactic Acid	79-33-4	0.1 – <1.0%
Lidocaine Hydrochloride	73-78-9	1.5 %

4. FIRST AID MEASURES

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.

5. FIRE - FIGHTING MEASURES

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.

6. ACCIDENTAL RELEASE MEASURES

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

7. HANDLING AND STORAGE

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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Standards

Exposure limits are listed below, if they exist.

Glycerin (Mist)

ACGIH: TLV 10 mg/m³ 8h TWA.

OSHA: PEL 5 mg/m³ 8h TWA respirable fraction
15mg/m³ 8h TWA total dust



8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Propylene Glycol

None established

Lidocaine HCL

None established

Lactic Acid

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Color	Clear to light blue
Odor	Menthol
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) (°C/F)	Not flammable
Explosion Limits (%)	No data available
Vapor Pressure	No data available
Density	No data available
Solubility in Water	Soluble
Vapor Density (Air = 1)	No data available

10. STABILITY AND REACTIVITY

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 - nitrogen oxides - halogenated compounds



11. TOXICOLOGICAL INFORMATION

See product packaging for additional information.

Acute Toxicity

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

Lidocaine HCL: Oral LD50 (mouse) 292 mg/kg

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

Glycerin: Oral LD50 9Rat) 12,600 mg/kg

Specific Target Organ Systemic Toxicity (single and repeat)

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

Lidocaine HCL: Prolonged or repeated exposure may lead to damage to the liver, lungs, cardiovascular and central nervous system.

Serious Eye damage/Eye Irritation

Propylene Glycol: Mild eye irritation (rabbit)

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

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)

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

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

Respiratory or Skin Sensitization

Lidocaine HCL: Workers allergic to amide type anesthetics should avoid exposure.

Carcinogenicity

Not considered carcinogenic by NTP, IARC, and OSHA.

Germ Cell Mutagenicity

No relevant studies identified.

Toxicity to Reproduction

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

12. ECOLOGICAL INFORMATION

Mobility

No relevant studies identified.

Persistence/Degradability

No relevant studies identified.

Bio-accumulation

No relevant studies identified.

Ecotoxicity

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

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

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

DOT CFR 172.101 Data	Not Regulated
UN Proper Shipping Name	Not Regulated
UN Class	None.
UN Number	None.
UN Packaging Group	None.
Classification for AIR Transportation (IATA)	Consult current IATA Regulations prior to shipping by air.



15. REGULATORY INFORMATION

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 have not been verified for listing 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) – FD&C Blue 1 (3844-45-9) <0.2%

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: FD&C Blue 1 (3844-45-9) <0.2%

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)

SARA Title III Sect. 313

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

16. OTHER INFORMATION

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



16. OTHER INFORMATION

Abbreviations

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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