

## **SAFETY DATA SHEETS**

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

078503835

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

078063394

## HEALTH AND SAFETY DATA SHEET

<b>1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY</b>								
DECHRA VETERINARY PRODUCTS, 7015 COLLEGE BLVD. SUITE 525 OVERLAND PARK KS 66211  Tel: 913-327-0015 Fax: 913-327-0016	PRODUCT NAME:  <div style="text-align: center;"><b>LimePlus Dip</b></div>	LEGAL CATEGORY: Complies with USDL Safety and Health Regulations, (29 CFR 1915, 1916, 1917)  LICENCE NO.: N/A  ISSUE DATE: 29 June 2011						
PHYSICAL FORM: Golden brown liquid	PRODUCT TYPE: Ringworm. <i>Demodex</i> , sarcoptic mange	CONTAINER(S): 4 oz. bottle, 16 oz. bottle, gallon bottle						
<b>2. HAZARDS IDENTIFICATION:</b> <div style="margin-left: 100px;">                     May be used to comply with Occupational Safety &amp; Health Administration OSHA's Hazard Communication (non-Mandatory Form) Standard. 29 CFR 1910.1200. Form Approved Standard must be consulted OMB No. 1218-0072 for specific requirements.                 </div>								
<b>3. COMPOSITION/INFORMATION ON ACTIVE INGREDIENTS</b>								
<table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left; width: 45%;"><u>NAME</u></th> <th style="text-align: left; width: 25%;"><u>% w/w</u></th> <th style="text-align: left; width: 30%;"><u>HAZARD</u></th> </tr> <tr> <td>Sulfurated lime solution</td> <td>97.8 %</td> <td></td> </tr> </table>	<u>NAME</u>	<u>% w/w</u>	<u>HAZARD</u>	Sulfurated lime solution	97.8 %			
<u>NAME</u>	<u>% w/w</u>	<u>HAZARD</u>						
Sulfurated lime solution	97.8 %							
<b>4. FIRST-AID MEASURES</b>								
EYE CONTACT:	In case of eye contact, immediately flush eyes with plenty of water for at least 15 minutes using an eyewash fountain, if available. Lift upper and lower lids and rinse under them with copious amounts of water. GET MEDICAL ATTENTION IMMEDIATELY.							
DERMAL CONTACT:	Wash all affected areas with plenty of soap and water while under a safety shower for at least 15 minutes, while removing contaminated clothing and shoes. Do not attempt to neutralize with chemical agents. SEEK MEDICAL ATTENTION IMMEDIATELY. Discard any contaminated clothing and shoes.							
INGESTION:	Promptly drink a large quantity of milk, egg white or gelatine solution or if these are not available, large quantities of water. GET IMMEDIATE MEDICAL ATTENTION. DO NOT INDUCE VOMITING. See not to physician at end of MSDS.							
INHALATION:	Remove to fresh air. If not breathing, administer cardiopulmonary resuscitation or artificial respiration. If breathing is difficult or irritation occurs, GET MEDICAL ATTENTION.							
EQUIPMENT AT WORKPLACE:	N/a							

<b>5. FIRE-FIGHTING MEASURES (BULK ACTIVE)</b>	
FLAMMABILITY: No flammable	
SUITABLE EXTINGUISHERS: Carbon dioxide or dry chemicals for small fires. "Alcohol" or "Polymer foam for large fires.	EXPLOSIVE HAZARDS: Strong oxidizing agents. Elevated temperatures can cause container to burst.
EXTINGUISHERS NOT TO BE USED: None known	
SPECIAL PROTECTIVE EQUIPMENT: Wear MSHA/NIOSH approved self-contained breathing apparatus. Persons who have been exposed to contaminated smoke should be checked for symptoms of poisoning. These should not be mistaken for heat exhaustion or smoke inhalation.	HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide. Normal combustion products are carbon dioxide and water vapor. Decomposition may also produce oxides and sulfur. Incomplete combustion or thermal decomposition can produce carbon monoxide, oxyhydrocarbon derivatives and sulfur derivatives including hydrogen sulfide.
<b>6. ACCIDENTAL RELEASE MEASURES</b>	
PERSONAL PROTECTION:	Safety glasses or goggles, waterproof gloves, long sleeve shirt, long pants and chemical resistant footwear. NIOSH/MESA approved respirator TC-21C. Local exhaust and mechanical (general) ventilation acceptable.
SPILLAGE CLEAN-UP:	Avoid contact with eyes. Do not discharge into drains. DO NOT USE ACIDIC CLEANING MATERIALS. Cover spill with generous amount of absorbent such as clay or loam soil. Use a stiff broom to mix thoroughly. Sweep up and place in a disposable container. Scrub contaminated area with detergent soap and water, using stiff broom.
<b>7. HANDLING AND STORAGE</b>	
HANDLING:	Avoid contact with eyes, skin, or clothing. Keep material out of reach of children. Avoid prolonged or repeated exposure to vapors. For external use only. When used on animals, do not allow animal to lick. A protective collar may be used until dry to prevent ingestion. Do not towel dry or use blower to dry animal.
STORAGE:	Keep away from children. Store in cool/dry area. Store in original, closed container.
<b>8. EXPOSURE CONTROLS/PERSONAL PROTECTION:</b>	Safety glasses or goggles, waterproof gloves, long sleeve shirt, long pants and chemical resistant footwear. NIOSH/MESA approved respirator TC-21C. Local exhaust and mechanical (general) ventilation acceptable.
<b>9. PHYSICAL AND CHEMICAL PROPERTIES OF ACTIVE</b>	
APPEARANCE: Golden brown liquid	MELTING POINT °C: N/A
SOLUBILITY IN WATER: N/A	BOILING POINT °F: 212
MOLECULAR FORMULA: N/A	MOLECULAR MASS: N/A
<b>10. STABILITY AND REACTIVITY:</b> Stable under normal temperatures and pressures.	

<b>11. TOXICOLOGICAL INFORMATION</b>	
EYE CONTACT:	May cause irreversible eye damage. Chemically burned eye tissue as from calcium hydroxide (lye), may produce severe membrane irritation with corneal damage.
DERMAL CONTACT:	Corrosive to skin. Chemically burned skin as from calcium hydroxide (lye), may produce systemic toxicity by skin absorption.
INGESTION:	May be fatal if swallowed. This material decomposes in the digestive tract to release sulfur and hydrogen sulfide (H <sub>2</sub> S). Signs and symptoms of toxicity may include headache, nausea, vomiting, drowsiness, amnesia, tremors, depressed respiration, convulsions, cyanosis and possibly death due to respiratory paralysis. Severe irritation of the digestive tract may also occur.
INHALATION:	Symptoms are those of hydrogen sulfide (H <sub>2</sub> S). Inhalation of H <sub>2</sub> S is irritating to the respiratory tract. If respiratory irritation or any signs or symptoms described in this bulletin occur, move the person to fresh air. If these effects continue, see a medical doctor immediately.
<b>12. ECOLOGICAL INFORMATION:</b>	N/A
<b>13. DISPOSAL CONSIDERATIONS:</b>	Avoid contact with eyes. Do not discharge into drains. DO NOT USE ACIDIC CLEANING MATERIALS. Cover spill with generous amount of absorbent such as clay or loam soil. Use a stiff broom to mix thoroughly. Sweep up and place in a disposable container. Scrub contaminated area with detergent soap and water, using a stiff broom.
<b>14. TRANSPORT INFORMATION:</b>	Not regulated.
<b>15. REGULATORY INFORMATION</b>	
<b>16. OTHER INFORMATION</b>	
Prepared by Dechra Veterinary Products on the basis of the best available data. No representation is given that the information provided is complete in all respects.	

**Notes to Physician: Probable mucosal damage may contraindicate gastric lavage. For severe hydrogen sulphide poisoning, successful treatment has involved initial inhalation of amyl nitrite pearls for 15 to 30 seconds of each minute until 10 mls of a 3 % solution of sodium nitrite can be administered intravenously at 2.5 to 5 mls per minutes. The nitrate-induced methemoglobin is thought to bind the toxic hydro-sulfide ion.**

Q. A. Laboratories

3 NO BITE SPRAY

-----  
SECTION I

MANUFACTURER'S NAME: Q.A. LABORATORIES  
404 ADMIRAL BLVD.  
KANSAS CITY, MO 64106  
EMERGENCY TELEPHONE NO.: 816-421-8081  
CHEMICAL NAME AND SYNONYMS: Bitter 3 Mist, Triple No Chew  
Spray, 3 No Bite Spray  
TRADE NAME AND SYNONYMS:  
CHEMICAL FAMILY:  
FORMULA:

-----  
SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)
--------------------------------------	---	-------------

PIGMENTS NA  
CATALYST NA  
VEHICLE NA  
SOLVENTS NA  
ADDITIVES NA  
OTHERS NA

ALLOYS AND METALLIC COATINGS	%	TLV (Units)
------------------------------	---	-------------

BASE METAL NA  
ALLOYS NA  
METALLIC COATINGS NA  
FILLER METAL PLUS COATING OR  
CORE FLUX NA  
OTHERS NA

%	TLV (Units)
---	-------------

Isopropyl alcohol 90%, oleoresin  
capsicum 1%, sucrose octyl acetate,  
polysorbate 60, propylene glycol,  
deionized water, bitter orange, FDC  
Red 40

-----  
SECTION III - PHYSICAL DATA

BOILING POINT (deg. F.): 82 deg C\*  
VAPOR PRESSURE (mm Hg.): 90mmHg\*  
VAPOR DENSITY (AIR = 1): 2.1\*  
SOLUBILITY IN WATER: Miscible  
SPECIFIC GRAVITY (H2O = 1): .80  
PERCENT, VOLATILE BY VOLUME (%): 90  
EVAPORATION RATE (\_\_\_\_\_ = 1):  
APPEARANCE AND ODOR: Clear rust colored liquid with pungent  
odor

-----  
SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used): Closed cup 12 deg C\*  
FLAMMABLE LIMITS:  
LEL:  
UEL:  
EXTINGUISHING MEDIA: Dry chemical or alcohol type foam  
SPECIAL FIRE FIGHTING PROCEDURES: Water spray to cool fire-  
exposed surfaces, use breathing apparatus  
UNUSUAL FIRE AND EXPLOSION HAZARDS: Product is flammable\*

-----  
SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: 400 ppm\*  
EFFECTS OF OVEREXPOSURE: Vapor irritates eyes, nose and  
throat. Liquid may damage eye tissue  
EMERGENCY AND FIRST AID PROCEDURES: If overcome by vapors,  
remove to fresh air consult medical personnel  
Eye contact flush with water, flushing eyes with  
vegetable oil will aid in soothing the irritation. Skin -  
thorough washing with mild soap and cool water. Medical  
attention should be sought for serious cases.

-----  
SECTION VI - REACTIVITY DATA

STABILITY: Stable  
CONDITIONS TO AVOID: NA  
INCOMPATIBILITY (Materials to avoid): Anhydrides, halogens  
HAZARDOUS DECOMPOSITION PRODUCTS:  
HAZARDOUS POLYMERIZATION: Will not occur  
CONDITIONS TO AVOID:

-----  
SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:  
Avoid skin, eye contact, eliminate sources of ignition  
WASTE DISPOSAL METHOD: Contain spilled liquid with sand or  
earth, dilute with water. Recover free liquid by pumping  
or with suitable absorbant. Consult disposal expert.

-----  
SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type): Approved respiratory  
if in enclosed area  
VENTILATION:  
LOCAL EXHAUST:  
MECHANICAL (General): Explosion proof  
SPECIAL:  
OTHER: No smoking  
PROTECTIVE GLOVES: Chemically resistant  
EYE PROTECTION: Goggles  
OTHER PROTECTIVE EQUIPMENT:

-----  
SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep  
container closed when not in use. Do not handle or store  
near flame, heat, or oxidants  
OTHER PRECAUTIONS:  
  
\* based on isopropyl alcohol

DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES: Although  
reasonable care has been taken in the preparation of this  
document, we extend no warranties and make no  
representation as to the accuracy or completeness of the  
information contained therein, and assume no responsibility  
regarding the suitability of this information for the  
user's intended purposes or for the consequences of its  
use. Each individual should make a determination as to the  
suitability of the information for their particular  
purpose(s). A request has been made to the manufacturer to  
approve the contents of this material safety data sheet.  
Upon receipt a new MSDS will be made available.  
-----  
COMPAS Code: 14290130