

SAFETY DATA SHEETS

This SDS packet was issued with item:

078543914

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

078880010

MATERIAL SAFETY DATA SHEET

Generated 04/20/2009, Revision 04/20/2009, Supersedes Revision 05/30/2007, Date Created 08/03/2006

SECTION 1. Product and Company Identification DURALACTIN FELINE L-LYSINE

Product Code: VPL-DURA-FE-PST

Product Name: DURALACTIN FELINE L-LYSINE

Manufacturer Information

Company Name: Distributed by:
Veterinary Products Laboratories
P.O. Box 34820
Phoenix, AZ 85067-4820

Emergency Contact: CHEMTREC (800)424-9300
Information: (888)241-9545

Preparer Name: Sherry Faith

Additional Identity Information

3005932 32.5 ml

SECTION 2. Composition/Information on Ingredients DURALACTIN FELINE L-LYSINE

Hazardous Components (Chemical Name)	CAS #	Concentration	OSHA PEL	ACGIH TLV
Canola Oil	8002-13-9	19.0 %	No data.	No data.

SECTION 3. Hazards Identification DURALACTIN FELINE L-LYSINE

Emergency Overview

Generally not hazardous under normal conditions, however good manufacturing practices should be practiced.

Potential Health Effects (Acute and Chronic)

None known

Recommended Exposure Limits

None

Signs and Symptoms Of Exposure

None known

Medical Conditions Generally Aggravated By Exposure

None known

SECTION 4. First Aid Measures

DURALACTIN FELINE L-LYSINE

Emergency and First Aid Procedures

FIRST AID: SKIN: Wash exposed area with soap and water. If irritation persists, seek medical attention.
EYES: Wash eyes with plenty of water for at least 15 minutes, lifting eyelids occasionally. Seek medical aid.

INGESTION: Give several glasses of water. Vomiting may occur spontaneously, but it is not necessary to induce. Never give anything by mouth to an unconscious person.

SECTION 5. Fire Fighting Measures

DURALACTIN FELINE L-LYSINE

Flash Pt: > 500.00 F Method Used: Able Closed Cup

Explosive Limits: LEL: No data. UEL: No data.

Fire Fighting Instructions

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

Flammable Properties and Hazards

None known

Hazardous Combustion Products

None known

Extinguishing Media

CO2, foam, dry chemical powder

Unsuitable Extinguishing Media

None known

SECTION 6. Accidental Release Measures

DURALACTIN FELINE L-LYSINE

Steps To Be Taken In Case Material Is Released Or Spilled

Absorb with an inert material such as earth, sand, or vermiculite. Sweep up and dispose of in accordance with all applicable local, State, and Federal regulations.

SECTION 7. Handling and Storage

DURALACTIN FELINE L-LYSINE

Precautions To Be Taken in Handling

Keep away from heat and flames.

Precautions To Be Taken in Storing

Store in a cool, dry place (65 - 85 degrees). Do not store near strong oxidizing agents. Do not keep soiled rags or other absorbent-type materials under high temperature and or closed conditions in the presence of oxygen.

SECTION 8. Exposure Controls/Personal Protection

DURALACTIN FELINE L-LYSINE

Respiratory Equipment (Specify Type)

N/A (Nuisance dust mask during formulation only)

Eye Protection

Goggles during formulation

Protective Gloves

None

Engineering Controls (Ventilation etc.)

Good general ventilation should be sufficient.

Work/Hygienic/Maintenance Practices

Wash hands after use and before eating, smoking, or using restroom.

SECTION 9. Physical and Chemical Properties

DURALACTIN FELINE L-LYSINE

Physical States:	<input type="checkbox"/> Gas	<input checked="" type="checkbox"/> Liquid	<input type="checkbox"/> Solid
Melting Point:	NA		
Boiling Point:	NA		
Autoignition Pt:	No data.		
Flash Pt:	> 500.00 F Method Used: Able Closed Cup		
Explosive Limits:	LEL: No data.		UEL: No data.
Specific Gravity (Water = 1):	NA		
Density:	NA		
Bulk density:	No data.		
Vapor Pressure (vs. Air or mm Hg):	NA		
Vapor Density (vs. Air = 1):	NA		
Evaporation Rate (vs Butyl Acetate=1):	NA		
Solubility in Water:	NA		
Percent Volatile:	N.A.		
Saturated Vapor Concentration:	NA		
Viscosity:	NA		
Heat Value:	No data.		
Particle Size:	No data.		
Corrosion Rate:	NA		
pH:	NA		

Appearance and Odor

Thin beige paste with a lysine odor.

SECTION 10. Stability and Reactivity

DURALACTIN FELINE L-LYSINE

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability

No data available.

Incompatibility - Materials To Avoid

Strong oxidizing agents.

Hazardous Decomposition Or Byproducts

Carbon monoxide and carbon dioxide from burning.

Hazardous Polymerization: Will occur [] Will not occur [X]

Conditions To Avoid - Hazardous Polymerization

No data available.

SECTION 11. Toxicological Information

DURALACTIN FELINE L-LYSINE

None known

Chronic Toxicological Effects

None known

Carcinogenicity/Other Information

No data available.

Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA
Canola Oil	8002-13-9	n.a.	n.a.	n.a.	n.a.

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

SECTION 12. Ecological Information

DURALACTIN FELINE L-LYSINE

None

SECTION 13. Disposal Considerations

DURALACTIN FELINE L-LYSINE

Waste Disposal Method

Dispose of in accordance with all local, State, and Federal regulations.

SECTION 14. Transport Information

DURALACTIN FELINE L-LYSINE

LAND TRANSPORT (US DOT)

DOT Proper Shipping Name None

DOT Hazard Label: None

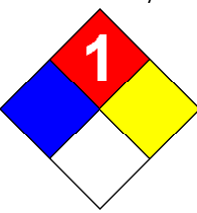
SECTION 15. Regulatory Information
DURALACTIN FELINE L-LYSINE

No data available.

SECTION 16. Other Information
DURALACTIN FELINE L-LYSINE

Company Policy or Disclaimer

The information and data herein are believed to be accurate and have been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification.

	Minimal: 0 Slight: 1 Moderate: 2 Serious: 3 Extreme: 4	Generated 04/20/2009 Revision 04/20/2009 Supersedes Revision 05/30/2007 Date Created 08/03/2006
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SAFETY DATA SHEET

Issue Date 06-Dec-2017

Revision Date 12-Mar-2018

Version 1

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

Product identifier

Product Name Duralactin® Feline L-lysine Paste

Other means of identification

Product Code PBI FP 100504080

Product Size 32.5 ml

Recommended use of the chemical and restrictions on use

Recommended Use Nutrient for cats.

Uses advised against Keep out of the reach of children. Avoid contact with eyes and skin.

Details of the supplier of the safety data sheet

Manufacturer

Advantech Ltd
227 South 21st Street
Fort Dodge, IA 50501

Company Name

PRN Pharmacal
8809 Ely Road
Pensacola, FL 32514

Emergency telephone number

Emergency Telephone Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Label elements

Emergency Overview

The product contains no substances which at their given concentration, are considered to be hazardous to health

Appearance Cream Paste

Physical State @20°C Solid Paste

Odor Fish-like

Hazards not otherwise classified (HNOC)

Other Information

3. COMPOSITION/INFORMATION ON INGREDIENTS

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Chemical Name	CAS. Number	Weight %
Sucrose	57-50-1	0.96

* The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES

First aid measures

Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Skin Contact	IF ON SKIN: Wash skin with soap and water.
Inhalation	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, call a physician.
Ingestion	IF SWALLOWED. Rinse mouth. If symptoms persist, call a physician. (Get medical attention immediately if symptoms occur.).

Most important symptoms and effects, both acute and delayed

Symptoms	No information available.
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Indication of any immediate medical attention and special treatment needed

Note to physicians	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water. Foam. Carbon dioxide (CO₂).

Specific hazards arising from the chemical

No information available.

Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions	Ensure adequate ventilation, especially in confined areas. Avoid contact with skin, eyes or clothing.
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Environmental precautions

Environmental precautions	See Section 12 for additional ecological information.
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Methods and material for containment and cleaning up

Methods for containment	Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Use personal protective equipment as required. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid creating dust. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep out of the reach of children. Keep container closed when not in use.

Incompatible materials None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters****Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sucrose 57-50-1	TWA: 10 mg/m ³	TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction (vacated) TWA: 15 mg/m ³ total dust (vacated) TWA: 5 mg/m ³ respirable fraction	TWA: 10 mg/m ³ total dust TWA: 5 mg/m ³ respirable dust

NIOSH IDLH Immediately Dangerous to Life or Health

Other Information Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Appropriate engineering controls

Engineering Controls Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin and body protection Chemical resistant gloves.

Respiratory protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Physical State @20°C	Solid Paste	Odor	Fish-like
Appearance	Cream Paste	Odor threshold	No information available
Color	Cream		
Property	Values	Remarks • Method	
pH			
Melting point/freezing point	No information available		
Boiling point / boiling range	100 °C / 212 °F		
Flash point	No information available		

Evaporation rate	No information available
Flammability (solid, gas)	No information available
Flammability Limit in Air	
Upper flammability limit:	No information available
Lower flammability limit:	No information available
Vapor pressure	No information available
Vapor density	No information available
Specific Gravity	1.012
Water solubility	Insoluble in water
Solubility in other solvents	No information available
Partition coefficient	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Oxidizing properties	No information available

Other Information

Density VALUE	No information available
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10. STABILITY AND REACTIVITY**Reactivity**

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous polymerization

Hazardous polymerization does not occur.

Conditions to avoid

Keep out of reach of children.

Incompatible materials

None known based on information supplied.

Hazardous Decomposition Products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure****Product Information**

Inhalation	No data available.
Eye contact	No data available.
Skin Contact	No data available.
Ingestion	No data available.

Chemical Name	LD50 Oral VALUE (mg/kg)	LD50 Dermal VALUE	LC50 Inhalation (DUST) VALUE
Sucrose 57-50-1	= 29700 mg/kg (Rat)	-	-

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available.
Germ cell mutagenicity No information available.
Carcinogenicity
Reproductive toxicity No information available.
STOT - single exposure No information available.
STOT - repeated exposure No information available.
Aspiration hazard No information available.

Numerical measures of toxicity - Product Information

Unknown Toxicity 0 % of the mixture consists of ingredient(s) of unknown toxicity

12. ECOLOGICAL INFORMATION

Ecotoxicity

1% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Do not reuse container, unless specified by the manufacturer.

14. TRANSPORT INFORMATION

DOT

Description Not regulated for transport under DOT regulations.

15. REGULATORY INFORMATION

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

International Inventories

TSCA Listed
DSL/NDSL Listed
EINECS/ELINCS Listed
ENCS Not Listed
IECSC Listed
KECL Listed

PICCS Listed
AICS Listed

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

Chemical Name	TSCA	DSL	NDL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Sucrose	X	X		X			X	X	X	X

US Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Sucrose 57-50-1		X	X

International Regulations

Chemical Name	Carcinogenicity	Exposure Limits
Sucrose		Mexico: TWA 10 mg/m ³ Mexico: STEL 20 mg/m ³

16. OTHER INFORMATION

NFPA	Health hazards 0	Flammability 0	Instability 0	Physical and Chemical Properties - Personal protection X
HMIS	Health hazards 0	Flammability 0	Physical hazards 0	

Disclaimer

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End of Safety Data Sheet