



SECTION 1: IDENTIFICATION

1.1 Product identifier

Product name:	Redonyl® Ultra Feline Powder for cats of all ages with PEA-um (Ultra-micronized Palmitoylethanaolamide)
Synonyms:	None
Proper Shipping name:	Not applicable
Other means of identification:	None

1.2 Relevant identified uses of the substances or mixture and uses advised against

Recommended uses:	For use in cats only. Recommended for support of healthy skin function.
Uses advised against:	For animal use only. Keep out of reach of children and animals. In case of accidental overdose, contact a health professional immediately.

1.3 Details of the supplier of the substance or mixture

Registered company name (US):	Dechra Veterinary Products
Address:	Dechra Veterinary Products 7015 College Blvd Suite 525 Overland Park KS 66211 USA
Telephone:	866-933-2472
Fax:	Not available
Website:	www.dechra-us.com
Email:	support@dechra.com

1.4 Emergency Telephone Numbers

Dechra (US):	866-933-2472
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SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Not considered a Hazardous Substance by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). Not classified as Dangerous Goods for transport purposes (US).



Classification (US):	Not applicable
2.2 Label Elements	
GHS Label Elements:	Not applicable
Signal Word:	Not applicable
Hazard statement(s):	
H315 Causes skin irritation H319 Causes serious eye irritation H335 May cause respiratory irritation	
Precautionary Statement(s) Prevention:	
	P271 Use only outdoors or in a well-ventilated area P261 Avoid breathing dust/fumes P280 Wear protective gloves/ protective clothing /eye protection/ face protection
Precautionary Statement(s) Response:	
	P362 Take off contaminated clothing and wash before reuse P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Precautionary Statement(s) Storage:	
	P405 Store locked up P403+P233 Store in a well-ventolated place. Keep container tightly closed
Precautionary Statement(s) Disposal:	
P501	Dispose of contents/container in accordance with local regulations.
2.3 Other Hazard Information	
The mixture does not contain Substances of Very High Concern (SVHC) at the SDS print date.	

SECTION 3: INFORMATION ON THE INGREDIENTS		
3.1 Substances		
See section below for composition of mixtures		
3.2 Mixtures		
CAS No.	% (Weight)	Name
8001-26-1	30-60	Linseed oil
6217-54-5	30-60	Cellulose



544-31-0	1-10	Palmitoylethanolamide (ultra-micronized)
7757-93-9	1-5	Calcium phosphate, dibasic
557-04-0	1-5	Magnesium stearate
57-50-1	<1.0	Vitamin E Acetate
Not available	<0.1	Pea protein powder
10043-35-3	<0.1	Boric acid

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact:	If eye contact occurs with the User's hands after use of the product, irritation may occur. Accidental contact with the eye should be washed off with plenty of water. If pain or irritation occurs, seek medical advice and show the package leaflet or the label to the medical practitioner.
Skin contact:	Wash hands after use and if irritation occurs, seek medical advice and show the package leaflet or the label to the medical practitioner.
Inhalation:	If inhalation occurs, remove patient from contaminated area, lay patient down and keep warm and rested. Seek medical advice and show the package leaflet or the label to the medical practitioner.
Ingestion:	If swallowed and discomfort occurs, give a glass of water. If discomfort persists, seek medical advice and show the package leaflet or the label to the medical practitioner.

4.2 Most important symptoms and effects, both acute and delayed

Eye contact:	May cause irritation after prolonged or repeated exposure.
Skin contact:	May cause irritation after prolonged or repeated exposure.
Ingestion:	May cause nausea, abdominal irritation, pain and diarrhea if ingested in large quantities.

See Section 11 for more detailed information

4.3 Indication of immediate medical attention and special treatment needed

Treat symptomatically.



SECTION 5: FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable:	Select extinguishing media suitable for surrounding area
Unsuitable:	There is no restriction on the type of extinguisher which may be used

5.2 Special hazards arising from the substance or mixture

Fire incompatibility:	None known
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5.3 Special protective actions for fire-fighters:

Firefighting:	Use water delivered as a fine spray to control fire and cool adjacent area. Do not approach containers suspected to be hot. Cool fire exposed containers with water spray from a protected location. If safe to do so, remove containers from path of fire. Equipment should be thoroughly decontaminated after use.
Fire / explosion hazard:	Non-combustible. Not considered a significant fire risk, however containers may burn.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For information on protective equipment, see section 8

6.2 Environmental Precautions

See section 12

6.3 Methods and material for containment and cleaning up

Minor and Major Spills:	Clean up all spills immediately. Avoid contact with skin and eyes.
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SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Safe Handling:	Always wash hands with water after handling. Observe manufacturer's storage and handling recommendations.
Other Information:	Store in original containers. Keep containers securely sealed. Store in a cool, dry, well-ventilated area. Keep out of the reach and sight of children.

7.2 Conditions for safe storage, including any incompatibilities

Suitable Container:	Check that containers are clearly labelled.
Storage incompatibility:	No known incompatibilities.

7.3 Specific end uses

Veterinary nutraceutical for oral ingestion.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

DERIVED NO EFFECT LEVEL – DNEL (EU)

Not Available

PREDICTED NO EFFECT LEVEL – PNEC (EU)

Not Available

OCCUPATIONAL EXPOSURE LIMITS (OEL)

INGREDIENT DATA

Source	ingredient	Material name	TWA	STEL	Peak
US ACGIH Threshold Limit Values (TLV)	Cellulose	Cellulose	10 mg/m ³	Not available	Not available
US ACGIH Threshold Limit Values (TLV)	Magnesium stearate	Stearates	10; 3 mg/m ³	Not available	Not available
US ACGIH Threshold Limit Values (TLV)	Boric acid	Borate compounds, inorganic	2 mg/m ³	6 mg/m ³	Not available

EMERGENCY LIMITS (US):



Ingredient	Material Name	TEEL-1	TEEL-2	TEEL-3
Boric acid	Boric acid	6 mg/m ³	23 mg/m ³	830mg/m ³
Ingredient	Original IDLH		Revised IDLH	
Palmitoylethanolamide	Not Available		Not Available	
Linseed oil	Not Available		Not Available	
Cellulose	Not Available		Not Available	
Pea protein powder	Not Available		Not Available	
Vitamin E Acetate	Not Available		Not Available	
Calcium phosphate, dibasic	Not Available		Not Available	
Magnesium stearate	Not Available		Not Available	
Boric acid	Not Available		Not Available	
8.2 Exposure controls				
Appropriate engineering controls:	The basic types of engineering controls are: Process controls which involve changing the way a job activity or process is done to reduce the particular risk.			
Personal protection:	Wash hands after handling the product.			
Eye and face protection:	Not applicable			
Skin protection:	Not applicable			
Hands/ feet protection:	No special equipment needed when handling small quantities. Wash hands after handling the product.			
Body protection:	Not applicable			
Other protection:	No special equipment needed when handling small quantities			
Thermal hazards:	Not applicable			
Respiratory protection:	Not applicable			
8.3 Environmental exposure controls				
See Section 12				



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: Powder
Container: 3.5 oz. (100 gm) container
Physical state: powder
Odor: Not available
Odor Threshold: Not available
pH (as supplied): Not available
Melting point / freezing point (degrees C): Not available
Initial boiling point and boiling range: Not available
Flash Point: Not available
Evaporation rate: Not available
Flammability: Not available
Upper/lower flammability or explosive limits: Not available
Vapor pressure: Not available
Relative Density (at degrees C): Not available
Solubility in water and solvents (mg/l): Not available
Vapor density: Not available
Auto ignition temperature (degrees C): Not available
Decomposition temperature (degrees C): Not available
Viscosity: (degrees C): Not available
Explosive properties: Not available
Oxidizing properties: Not available
Partition Coefficient: Not available
Molecular weight: Not available
Taste: Not available
Surface tension: Not available
Volatile component: Not available
Gas group: Not available
pH as a solution: Not available
VOC g/L: Not available

9.2 Other information
 Not Available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:	See Section 7.
10.2 Chemical stability:	Product is considered stable. Hazardous polymerization will not occur.
10.3 Possibility of hazardous reactions:	The product is not considered to be hazardous if used as per instructions. Hazardous polymerization will not occur.
10.4 Conditions to avoid:	See section 7.
10.5 Incompatible materials:	See section 7.



10.6 Hazardous decomposition:	See Section 5.
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SECTION 11: TOXICOLOGICAL INFORMATION

Inhalation:	May cause respiratory irritation in some persons.	
Ingestion:	Not classified as harmful by ingestion due to lack of corroborating animal or human evidence. May cause nausea, abdominal irritation, pain and diarrhea if ingested in large quantities.	
Skin contact:	May cause irritation of the skin in some persons.	
Eye contact:	May cause eye irritation in some persons.	
Chronic:	Long-term exposure to respiratory irritants may result in airways disease, involving difficulty breathing and related whole-body problems. Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure. Long term exposure to high dust concentrations may cause changes in lung function i.e. pneumoconiosis, caused by particles less than 0.5 micron penetrating and remaining in the lung.	
Redonyl® Ultra Feline Powder:	Toxicity	Irritation
	Not available	Not available
palmitoylethanolamide:	Toxicity	Irritation
	Dermal (rabbit): LD50: >2000 mg/kg ⁽¹⁾ Oral (rat) LD50: >5000 mg/kg ⁽¹⁾	Eye: adverse effect observed ⁽¹⁾ Skin: irritation observed ⁽¹⁾
Linseed oil:	Toxicity	Irritation
	Oral (rat) LD50: >2000 mg/kg ⁽¹⁾	Skin (human): 300mg/ 3 days - moderate
cellulose:	Toxicity	Irritation
	Dermal (rabbit) LD50: >2000 mg/kg ⁽²⁾ Inhalation (rat) LC50: >5.8 mg/l/4H ⁽²⁾ Oral (rat) LD50: >5000 mg/kg ⁽²⁾	Not available
Calcium phosphate, dibasic:	Toxicity	Irritation
	Dermal (rabbit): LD50: >7940 mg/kg ⁽²⁾ Oral (rat) LD50: >2000 mg/kg ⁽¹⁾	Eye (rabbit): LD50: 8 on a scale of 110 Skin (rabbit): 0 on a scale of 8



SECTION 11: TOXICOLOGICAL INFORMATION

Magnesium stearate:	Toxicity	Irritation
	Not available	Not available
Boric acid:	Toxicity	Irritation
	Oral (rat) LD50: 2500 mg/kg ⁽¹⁾	Skin (human): 15mg/3d – mild

1.* Value obtained from Europe ECHA Registered Substances – acute toxicity; 2.* Value obtained from manufacturer's SDS. Unless otherwise specified, data extracted from RTECS - Register of Toxic Effect of chemical Substances

Skin corrosion/irritation:

May cause skin irritation

Serious eye damage/irritation:

May cause eye irritation

Respiratory or skin sensitization:

May cause respiratory sensitization. Not a skin sensitizer.

Germ cell mutagenicity:

Not available

Carcinogenicity:

Not available

Reproductive toxicity:

Not available. Safe use in pregnant animals or animals intended for breeding has not yet been proven.

STOT – single exposure:

Not available

STOT–repeated exposure:

Not available

Aspiration hazard:

Not available

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Ingredient	Endpoint	Test duration (hr)	Species	Value	Source



palmitoylethanolamide	LC50	96	Fish	0.213 mg/L	3
	EC50	48	Crustacea	3 mg/L	2
	EC50	96	Algae or other aquatic plants	0.215 mg/L	3
	NOEC	48	Crustacea	1.8 mg/L	2
Calcium phosphate, dibasic	LC50	96	Fish	>13.5 mg/L	2
	EC50	48	Crustacea	>2.9 mg/L	2
	EC50	72	Algae or other aquatic plants	>4.4 mg/L	2
	NOEC	96	Fish	13.5 mg/L	2
Cellulose	LC ₅₀	96	Fish	9160000mg/L	3
Cellulose	EC ₅₀	96	Algae or other aquatic plants	340000000mg/L	3
Linseed oil	EC ₅₀	48	Crustacea	>0.8mg/L	1
Linseed oil	EC ₅₀	72	Algae or other aquatic plants	>0.4-0.6mg/L	1
Linseed oil	NOEC	72	Algae or other aquatic plants	0.4-0.6mg/L	1
Boric acid	LC50	96	Fish	74mg/L	1
Boric acid	EC50	48	Crustacea	133mg/L	2
Boric acid	EC50	72	Algae or other aquatic plants	54mg/L	1
Boric acid	NOEC	168	Fish	0.009mg/L	1
Legend:			1. Europe ECHA Registered Substances – Ecotoxicological Information – Aquatic Toxicity 2. US EPA, Ecotox database – Aquatic Toxicity Data 3. EPIWIN Suite V3.12 (QSAR) - Aquatic Toxicity Data (Estimated)		

DO NOT discharge into sewer or waterways.

12.2 Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
palmitoylethanolamide	LOW	LOW
Cellulose	LOW	LOW
Boric acid	LOW	LOW

12.3 Bioaccumulative potential



Ingredient	Bioaccumulative Potential
palmitoylethanolamide	HIGH (LogKOW = 5.2055)
Cellulose	LOW (LogKOW = -5.1249)
Boric acid	LOW (BCF = 0)
12.4 Mobility in Soil	
Ingredient	Mobility
palmitoylethanolamide	LOW (KOC = 4464)
cellulose	LOW (KOC = 10)
Boric acid	LOW (KOC = 35.04)
12.5 Results of PBT and vPvB assessment Not Available	
12.6 Other adverse effects Not Available	

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product / packaging disposal:	<p>Any unused veterinary medicinal product or waste material derived from such veterinary medicinal products should be disposed of in accordance with national requirements.</p> <p>Legislation addressing waste disposal requirements may differ by country, state and/or territory. Each user must refer to laws operating in their area.</p> <p>Recycle wherever possible or consult manufacturer for recycling options. Consult State Land Waste Management Authority for disposal. Bury residue in an authorised landfill. Recycle containers if possible, or dispose of in an authorised landfill.</p> <p>Shelf life considerations should also be applied in making decisions of this type. Note that properties of a material may change in use, and recycling or reuse may not always be appropriate. Where in doubt contact the responsible authority.</p> <p>Ensure that the disposal of material is carried out in accordance with Hazardous Substances (Disposal) Regulations 2001.</p>
Waste Treatment Options:	Not Available



Sewage Disposal Options:	Not Available
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SECTION 14: TRANSPORT INFORMATION

Labels required:

Marine pollutant:	NO
Hazchem:	Not Applicable

Land transport (EU: ADR / US: DOT): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Inland waterways transport (ADN): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture

PALMITOYLETHANOLAMIDE IS FOUND ON THE FOLLOWING REGULATORY LISTS:

- US List of Active Substances Exempt from the TSCA Inventory Notifications (active-inactive) Rule
- US Toxic Substances Control Act (TSCA) –Chemical Substance Inventory
- US TSCA Chemical Substance Inventory

CELLULOSE IS FOUND ON THE FOLLOWING REGULATORY LISTS:

- US List of Active Substances Exempt from the TSCA Inventory Notifications (active-inactive) Rule
- US Toxic Substances Control Act (TSCA) –Chemical Substance Inventory
- US TSCA Chemical Substance Inventory
- US NIOSH Recommended Exposure Limits (RELs)
- US OSHA Permissible Exposure Levels (PELs)
- US ACGIH Threshold Limit Values (TLV)
- US AIHA Workplace Environmental Exposure Levels (WEELs)

LINSEED OIL (8001-26-1) IS FOUND ON THE FOLLOWING REGULATORY LISTS:

- US List of Active Substances Exempt from the TSCA Inventory Notifications (active-inactive) Rule
- US Toxic Substances Control Act (TSCA) –Chemical Substance Inventory
- US TSCA Chemical Substance Inventory



CALCIUM PHOSPHATE, DIBASIC (7757-93-9) IS FOUND ON THE FOLLOWING REGULATORY LISTS:

- US List of Active Substances Exempt from the TSCA Inventory Notifications (active-inactive) Rule
- US Toxic Substances Control Act (TSA) –Chemical Substance Inventory
- US TSCA Chemical Substance Inventory

MAGNESIUM STEARATE (557-04-0) IS FOUND ON THE FOLLOWING REGULATORY LISTS:

- US List of Active Substances Exempt from the TSCA Inventory Notifications (active-inactive) Rule
- US Toxic Substances Control Act (TSA) –Chemical Substance Inventory
- US TSCA Chemical Substance Inventory

BORIC ACID (10043-25-3) IS FOUND ON THE FOLLOWING REGULATORY LISTS:

- US List of Active Substances Exempt from the TSCA Inventory Notifications (active-inactive) Rule
- US Toxic Substances Control Act (TSA) –Chemical Substance Inventory
- US TSCA Chemical Substance Inventory

This safety data sheet is in compliance with the following OSHA HazCom Standard (2012) requirements.

FEDERAL REGULATIONS:

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Section 311/312 Hazard Categories

Immediate (acute) health hazard	NO
Delayed (chronic) health hazard	NO
Fire hazard	NO
Pressure hazard	NO
Reactivity hazard	NO

US. EPA Cercla Hazardous Substances and Reportable Quantities (40 CFR 302.4)

None reported

STATE REGULATIONS:

US. CALIFORNIA PROPOSITION 65

None reported



National Inventory	Status
Australia - AICS	N (palmitoylethanolamide)
Canada - DSL	N (palmitoylethanolamide)
Canada - NDSL	N (magnesium stearate; linseed oil; calcium phosphate, dibasic, boric acid)
China - IECSC	N (palmitoylethanolamide)
Europe - EINEC / ELINCS / NLP	Y
Japan - ENCS	N (Cellulose)
Korea - KECI	N (palmitoylethanolamide)
New Zealand - NZIoC	Y
Philippines - PICCS	Y
USA - TSCA	Y
Taiwan – TCSI	Y
Mexico – INSQ	N (palmitoylethanolamide)
Vietnam – NCI	Y
Russia – ARPIS	N (palmitoylethanolamide)
Legend:	<i>Y = All ingredients are on the inventory N = Not determined or one or more ingredients are not on the inventory and are not exempt from listing(see specific ingredients in brackets)</i>

SECTION 16: OTHER INFORMATION

The SDS is written in accordance to guidelines specified by REACH, GHS, OSHA and ECHA. **H315, H319, H335**

Full text Risk and Hazard codes:

H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation

Other Information

For detailed advice on Personal Protective Equipment, refer to the following EU CEN Standards:

EN 166 Personal eye-protection

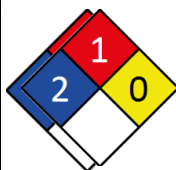
EN 340 Protective clothing

EN 374 Protective gloves against chemicals and micro-organisms

EN 13832 Footwear protecting against chemicals

EN 133 Respiratory protective devices

NFPA 704 diamond (US):



Blue = Health, Red = Fire, Yellow = Reactivity, White = Special (Oxidizer or water reactive substances)

Definitions and abbreviations

PC—TWA: Permissible Concentration-Time Weighted Average

PC—STEL: Permissible Concentration-Short Term Exposure Limit

STEL: Short Term Exposure Limit

TEEL: Temporary Emergency Exposure Limit

IDLH: Immediately Dangerous to Life or Health Concentrations

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