SAFETY DATA SHEETS

This SDS packet was issued with item:

078950465

N/A

SECTION 1: IDENTIFICATION

1.1 Product identifier	
Product name	Ivermectin Paste 1.87%
Chemical name	Not Applicable
Synonyms	Ivermectin
Proper shipping name	Toxic, liquids, organic, n.o.s. (contains ivermectin)
Chemical formula	Not Applicable
Other means ofidentification	Not Available
1.2 Recommended use of the chemical and restrictions on use	
Relevant identified uses	Veterinary pharmaceutical paste, used for treatment and control of parasites in horses. For oral use in horses only. Not for use in humans. Not for use in horses intended for human consumption.
1.3 Details of the supplier of the substance or mixture	
Registered company name (US)	Dechra Veterinary Products
Address	7015 College Blvd Suite 525 Overland Park, KS 66211 USA
Telephone	866-933-2472
Fax	Not Available
Email	Not Available
1.4 Emergency telephone numbers	
Dechra (US)	866-933-2472

SECTION 2: HAZARD(S) IDENTIFICATION

2.1 Classification of the substance or mixture

NFPA 704 diamond

Note: The hazard category numbers found in GHS classification in section 2 of this SDSs are NOT to be used to fill in the NFPA 704 diamond. Blue = Health Red = Fire Yellow = Reactivity White = Special (Oxidizer or water reactive substances)

Classification	Acute Toxicity (Oral) Category 3, Skin Corrosion/Irritation Category 2, Sensitisation (Skin) Category 1, Serious Eye Damage/Eye Irritation Category 2A, Germ Cell Mutagenicity Category 2, Carcinogenicity Category 1A, Reproductive Toxicity Category 1B, Reproductive Toxicity Effects on or via Lactation, Hazardous to the Aquatic Environment Acute Hazard Category 3
2.2 Label elements	
Hazard pictogram(s)	
Signal word	**Danger**
Hazard statement(s)	
H301	Toxic if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H341	Suspected of causing genetic defects.
H350	May cause cancer.
H360	May damage fertility or the unborn child.
H362	May cause harm to breast-fed children.
H402	Harmful to aquatic life.
Hazard(s) not otherwise classified	
Refrain from smoking and eating when using this product.	
Precautionary statement(s) Prevention	
P201	Obtain special instructions before use.
P260	Do not breathe mist/vapors/spray.
P263	Avoid contact during pregnancy/while nursing.
P280	Wear protective gloves, protective clothing, eye protection, and face protection.
P270	Do not eat, drink or smoke when using this product.
P261	Avoid breathing mist/vapours/spray.
P273	Avoid release to the environment.
P202	Do not handle until all safety precautions have been read and understood.
P264	Wash all exposed external body areas thoroughly after handling.
P272	Contaminated work clothing must not be allowed out of the workplace.
Precautionary statement(s) Response	
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician/first aider.
P308+P313+	IF exposed or concerned: Get medical advice/attention.
P330	Rinse mouth.
P305+P351+ P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.

P337+P313	If eye irritation persists: Get medical advice/attention.
P302+P352	IF ON SKIN: Wash with plenty of water.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
Precautionary statement(s) storage	
P405	Store locked up.
Precautionary statement(s) disposal	
P501	Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

See section above for composition of Mixtures.

3.2 Mixtures

CAS No.	% [weight]	Name
57-55-6	>90	propylene glycol
151687-96-6	1-5	Carbopol 974P
70288-86-7	1-5	ivermectin
102-71-6	1-5	triethanolamine
13463-67-7	1-5	titanium dioxide

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

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact	Immediately rinse eyes thoroughly with plenty of water. If wearing contact lenses, remove only after initial rinse, and continue rinsing eyes for at least 15 minutes. If irritation occurs or persists, consult a physician.
Skin contact	In case of skin contact, while wearing protective gloves, carefully remove any contaminated clothing, including shoes, and wash skin thoroughly with soap and water. If irritation or symptoms occur or persist, consult a physician.
Inhalation	Remove to fresh air. If any trouble breathing, get immediate medical attention. Administer artificial respiration if breathing has ceased. If irritation or symptoms occur or persist, consult a physician.
Ingestion	Do not induce vomiting unless under the direction of a qualified medical professional or Poison Control Center. IMMEDIATELY consult a physician. Do not attempt to give anything by mouth to a seizing, drowsy or unconscious person. If alert, rinse mouth and drink a glass of water.

4.2 Most important symptoms and effects, both acute and delayed

See section 11.

4.3 Indication of immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable media include alcohol stable foam, dry chemical powder, BCF (where regulation permits), carbon dioxide. Use water spray or for large fires only.

5.2 Special hazards arising from the substance or mixture

Fire incompatibility	Avoid contamination with oxidising agents i.e., nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result.

5.3 Special protective actions for fire-fighters:

Firefighting	Wear full body protective clothing with breathing apparatus. Wear full body protective clothing with breathing apparatus. Prevent, by any means available, spillage from entering drains or water course. 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.
Fire / explosion hazard	Combustible. Slight fire hazard when exposed to heat or flame. Heating may cause expansion or decomposition leading to violent rupture of containers. On combustion, may emit toxic fumes of carbon monoxide. May emit acrid smoke. Mists containing combustible materials may be explosive. Combustion products include: carbon monoxide, carbon dioxide, nitrogen oxides, metal oxides, other pyrolysis products typical of burning organic material. May emit poisonous fumes.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear appropriate personal protective equipment. Keep personnel away from the clean-up area. Avoid dust formation, dampen with water to prevent dusting before sweeping. Avoid breathing dust, vapors, mist or gas. Ensure adequate ventilation. For personal protection see section 8.

6.2 Environmental precautions

Do not let product enter drains. Ivermectin is very toxic to certain aquatic species. Avoid contact of spilled material with runoff and surface waterways. See Section 12

6.3 Methods and material for containment and cleaning up

Minor spills	Clean up all spills immediately. Avoid breathing vapors and contact with skin and eyes. Control personal

	contact with the substance, by using protective equipment. Contain and absorb spill with sand, earth, inert material or vermiculite. Wipe up. Place in a suitable, labelled container for waste disposal.
Major spills	Clear area of personnel and move upwind. Alert Fire Brigade and tell them location and nature of hazard. Wear full body protective clothing with breathing apparatus. Prevent, by any means available, spillage from entering drains or water course. Stop leak if safe to do so. Contain spill with sand, earth or vermiculite. Collect recoverable product into labelled containers for recycling. Neutralise/decontaminate residue (see Section 13 for specific agent). If contamination of drains or waterways occurs, advise emergency services.
Personal Protective Equipment advice is contained in Section 8 of the SDS.	

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Safe handling	Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation in places where dust and aerosols are formed. Observe manufacturer's storage and handling recommendations contained within this SDS.
Other information	Material is hygroscopic, i.e. absorbs moisture from the air. Keep containers well sealed in storage. Store in original containers. Keep containers securely sealed. No smoking, naked lights or ignition sources. Store in a cool, dry, well-ventilated area. Store away from incompatible materials and foodstuff containers. Protect containers against physical damage and check regularly for leaks.

7.2 Conditions for safe storage, including any incompatibilities

Suitable container	Keep container tightly closed in a dry and well ventilated place. Store upright at room temperature between 20-25°C (68-77°F).
Storage incompatibility	Store out of direct sunlight. Store away from ignition sources. Wash face, hands, and any exposed skin after handling. Do not eat, drink, or smoke when using this substance or mixture.

.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limits (OEL)
INGREDIENT DATA

Source	Ingredient	Material name	TWA	STEL	Peak	Notes
US OSHA Permissible Exposure Limits (PELs) Table Z-1	ivermectin	Particulates Not Otherwise Regulated (PNOR) – Total dust	15 mg/m^3	Not Available	Not Available	Not Available
US OSHA PELs Table Z-1	ivermectin	PNOR – Respirable fraction	5 mg/m^3	Not Available	Not Available	Not Available
US OSHA PELs Table Z-3	ivermectin	Inert or Nuisance Dust: Respirable fraction	5 mg/m^3 / 15 mppcf	Not Available	Not Available	Not Available
US OSHA PELs Table Z-3	ivermectin	Inert or Nuisance Dust: Total Dust	5 mg/m^3 / 15 mppcf	Not Available	Not Available	Not Available
US NIOSH Recommended Exposure Limits (RELs)	ivermectin	PNOR	Not Available	Not Available	Not Available	See Appendix D
US OSHA PELs Table Z-1	titanium dioxide	Titanium dioxide - Total dust	15 mg/m^3	Not Available	Not Available	Not Available
US OSHA PELs Table Z-3	titanium dioxide	Inert or Nuisance Dust: Respirable fraction	5 mg/m^3 / 15 mppcf	Not Available	Not Available	Not Available
US OSHA PELs Table Z-3	titanium dioxide	Inert or Nuisance Dust: Total Dust	15 mg/m^3 / 50 mppcf	Not Available	Not Available	Not Available
US NIOSH RELs	titanium dioxide	Titanium dioxide	Not Available	Not Available	Not Available	Ca; See Appendix A

Emergency limits

Ingredient	TEEL-1	TEEL-2	TEEL-3
propylene glycol	30 mg/m^3	1,300 mg/m^3	7,900 mg/m^3
triethanolamine	15 mg/m^3	240 mg/m^3	1,500 mg/m^3
titanium dioxide	30 mg/m^3	330 mg/m^3	2,000 mg/m^3

Ingredient	Original IDLH	Revised IDLH
propylene glycol	Not Available	Not Available
Carbopol 974P	Not Available	Not Available
ivermectin	Not Available	Not Available
triethanolamine	Not Available	Not Available
titanium dioxide	5,000 mg/m3	Not Available

Occupational Exposure Banding

Ingredient	Occupational Exposure Band Rating	Occupational Exposure Band Limit
propylene glycol	E	≤ 0.1 ppm
triethanolamine	E	≤ 0.1 ppm

Notes: Occupational exposure banding is a process of assigning chemicals into specific categories or bands based on a chemical'spotency and the adverse health outcomes associated with exposure. The output of this process is an occupational exposureband (OEB), which corresponds to a range of exposure concentrations that are expected to protect worker health.

MATERIAL DATA

8.2 Exposure controls

Appropriate engineering controls	Use with adequate ventilation. Follow standard medical product handling procedures. During decontamination of work surfaces, workers should wear the same equipment recommended in Section 6 (Accidental Release Measures) of this SDS. Enclosed local exhaust ventilation is required at points of dust, fume or vapor generation. HEPA terminated local exhaust ventilation should be considered at point of generation of dust, fumes or vapors. Barrier protection or laminar flow cabinets should be considered for laboratory scale handling. A fume hood or vented balance enclosure is recommended for weighing/ transferring quantities exceeding 500 mg. When handling quantities up to 500 g in either a standard laboratory with general dilution ventilation (e.g. 6-12 air changes per hour) is preferred. Quantities up to 1 kg may require a designated laboratory using fume hood, biological safety cabinet, or approved vented enclosures. Quantities exceeding 1 kg should be handled in a designated laboratory or containment laboratory using appropriate barrier/containment technology.
Personal protection	
Eye and face protection	When handling very small quantities of the material eye protection may not be required. Otherwise, use safety glasses with side shields or chemical goggles. Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants.
Skin protection	See Hand protection below.
Hands/feet protection	For prolonged skin contact an appropriate barrier to the skin is recommended. The material may produce skin sensitisation in predisposed individuals. Care must be taken, when removing gloves and other protective equipment, to avoid all possible skin contact. Contaminated leather items, such as shoes, belts and watch-bands should be removed and destroyed. Rubber gloves (nitrile or low-protein, powder-free latex, latex/ nitrile). Employees allergic to latex gloves should use nitrile gloves in preference. Double gloving should be considered. PVC gloves. Change gloves frequently and when contaminated, punctured or torn. Protective shoe covers. [AS/NZS 2210] Head covering. Butyl rubber gloves.
Body protection	See Other protection below
Other protection	For quantities up to 500 g a laboratory coat may be suitable. For quantities up to 1 kg a disposable laboratory coat or coverall of low permeability is recommended. Coveralls should be buttoned at collar and cuffs. For quantities over 1 kg and manufacturing operations, wear disposable coverall of low permeability and disposable shoe covers. For manufacturing operations, air-supplied full body suits may be required for the provision of advanced respiratory protection. Eye wash unit. Ensure there is ready access to an emergency shower. For Emergencies: Vinyl suit
Respiratory protection	A respirator is not required for routine clinical use of this product. Respiratory protective equipment may be required for certain laboratory and large-scale manufacturing tasks if potential airborne breathing zone concentrations of substances exceed the relevant exposure limit(s). Workplace risk assessment should be completed before specifying and implementing RPE usage. Type A-P Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: A creamy, smooth white to off-white paste	Vapor density: Not Available
Physical state: Paste	Auto ignition temperature (°C): Not Available
Odor: No odor	Decomposition temperature (°C): Not Available
Odor threshold: Not Available	Viscosity (°C): Not Available
pH (as supplied): Not Available	Explosive properties: Not Available
Melting point / freezing point (°C): Not Available	Oxidizing properties: Not Available
Initial boiling point and boiling range: Not Available	Partition coefficient: Not Available
Flash point (°C): Not Available	Molecular weight: Not Available
Evaporation rate: Not Available	Taste: Not Available
Flammability: Not Available	Surface tension: Not Available
Upper/lower flammability or explosive limits: Not Available	Volatile component (%vol): Not Available
Vapor pressure: Not Available	Gas group: Not Available
Relative density (Water = 1): Not Available	pH as a solution: Not Available
Solubility in water (mg/l): Not Available	VOC g/L: Not Available
	Specific gravity @ 20 °C (water = 1): Not Available

10: STABILITY AND REACTIVITY

Reactivity	See Section 7
Chemical stability	Unstable in the presence of incompatible materials. Product is considered stable. Hazardous polymerization will not occur.
Possibility of hazardous reactions	See Section 7
Conditions to avoid	Open flames and high temperatures. See Section 7
Incompatible materials	See Section 7
Hazardous composition	See Section 5

SECTION 11: TOXICOLOGICAL INFORMATION

Inhalation	The maximum attainable concentration of 5.11 mg/l ivermectin produced transient irritation of mucous membranes in rats. Exposure to aliphatic alcohols with more than 3 carbons may produce central nervous system effects such as headache, dizziness, drowsiness. Inhalation hazard is increased at higher temperatures.
Ingestion	Toxic effects may result from the accidental ingestion of the material.
Skin contact	The material produces moderate skin irritation.
Eye contact	Irritation of the eyes may produce a heavy secretion of tears.
Chronic	Toxic: danger of serious damage to health by prolonged exposure.

Ivermectin paste 1.8%	**Acute toxicity**	**Irritation**
	Not Available	Not Available
propylene glycol	**Acute toxicity**	**Irritation**
	Dermal (rabbit) LD50: 11890 mg/kg[2] Inhalation (rat) LC50: ≥44.9 mg/kg[2] Oral (rat) LD50: 20000 mg/kg[2]	Eye (rabbit): 100 mg - mild Eye (rabbit): 500 mg/24h - mild Eye: no adverse effect observed (not irritating)[1] Skin(human):104 mg/3d Intermit Mod Skin(human):500 mg/7days mild Skin: no adverse effect observed (not irritating)[1]
Carbopol 974P	**Acute toxicity**	**Irritation**
	Not Available	Not Available
ivermectin	**Acute toxicity**	**Irritation**
	Dermal (rabbit) LD50: 406 mg/kg[2] Oral (monkey) LD50: >24 mg/kg[2]	Eye (rabbit): slight ** Skin (rabbit): non-irritating **
triethanolamine	**Acute toxicity**	**Irritation**
	Dermal (rat) LD50: >16000 mg/kg[2] Oral (rabbit) LD50: 2200 mg/kg[2]	Eye (rabbit): 0.1 ml – Eye (rabbit): 10 mg – mild Eye (rabbit): 5.62 mg – SEVERE Skin (human): 15 mg/3d (int)-mild Skin (rabbit): 4 h occluded no irritation * Skin (rabbit): 560 mg/24 hr- mild minor iritis, minor conjunctival irritation with significant discharge; no corneal injury *
titanium dioxide	**Acute toxicity**	**Irritation**
	Dermal (hamster) LD50: ≥10000 mg/kg[2] Inhalation (rat) LC50: ≥2.28 mg/kg[1] Oral (rat) LD50: ≥2000 mg/kg[2]	Eye: no adverse effect observed (not irritating)[1] Skin(human): 0.3 mg /3D (int)-mild * Skin: no adverse effect observed (not irritating)[1]

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

Acute Toxicity	✓	Carcinogenicity	✓
Skin Irritation/Corrosion	✓	Reproductivity	✓
Serios Eye Damage/Irritation	✓	STOT – Single Exposure	✗
Respiratory or Skin Sensitization	✓	STOT – Repeated Exposure	✗
Mutagenicity	✓	Aspiration Hazard	✗

✗ - Data either not available or does not fill the criteria for classification, ✓ - Data available to make classification.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Ivermectin paste 1.8%	**Endpoint**	**Test Duration**	**Species**	**Value**	**Source**
	Not Available	Not Available	Not Available	Not Available	Not Available
propylene glycol	**Endpoint**	**Test duration**	**Species**	**Value**	**Source**
	NOEC(ECx)	336h	Algae or other aquatic plants	<5300mg/	1
	EC50	72h	Algae or other aquatic plants	19300mg/l	2
	EC50	48h	Crustacea	>114.4mg/L	4
	LC50	96h	Fish	>10000mg/l	2
	EC50	96h	Algae or other aquatic plants	19000mg/l	2
Carbopol 974P	**Endpoint**	**Test duration**	**Species**	**Value**	**Source**
	Not Available	Not Available	Not Available	Not Available	Not Available
ivermectin	**Endpoint**	**Test duration**	**Species**	**Value**	**Source**
	NOEC(ECx)	48h	Crustacea	<0.001mg/L	4
	LC50	96h	Fish	0.003-0.004mg/L	4
triethanolamine	**Endpoint**	**Test duration**	**Species**	**Value**	**Source**
	EC50	72h	Algae or other aquatic plants	>107<260mg/l	2
	BCF	1008h	Fish	<0.4	7
	EC50	48h	Crustacea	565.2-658.3mg/	4
	EC10/(ECx)	96h	Algae or other aquatic plants	7.1mg/l	1
	LC50	96h	Fish	11800mg/l	2
	EC50	96h	Algae or other aquatic plants	169mg/l	1
titanium dioxide	**Endpoint**	**Test duration**	**Species**	**Value**	**Source**
	BCF	1008h	Fish	<1.1-9.6	7
	EC50	72h	Algae or other aquatic plants	3.75-7.58mg/l	4
	EC50	48h	Crustacea	1.9mg/l	2

	NOEC(ECx) LC50 EC50	504h 96h 96h	Crustacea Fish Algae or other aquatic plants	0.02mg/l 1.85-3.06mg/l 179.05mg/l	4 4 2
Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Aquatic Toxicity 3. EPIWIN Suite V3.12 (QSAR) - Aquatic Toxicity Data (Estimated) 4. US EPA, Ecotox database - Aquatic Toxicity Data 5. ECETOC Aquatic Hazard Assessment Data 6. NITE (Japan) - Bioconcentration Data 7. METI (Japan) - Bioconcentration Data 8.Vendor Data					

DO NOT discharge into sewer or waterways.

12.2 Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
propylene glycol	LOW	LOW
triethanolamine	LOW	LOW
titanium dioxide	HIGH	HIGH

12.3 Bioaccumulative potential

Ingredient	Bioaccumulation
propylene glycol	LOW (BCF = 1)
triethanolamine	LOW (BCF = 3.9)
titanium dioxide	LOW (BCF = 10)

12.4 Mobility in soil

Ingredient	Mobility
propylene glycol	HIGH (KOC = 1)
triethanolamine	LOW (KOC = 10)
titanium dioxide	LOW (KOC = 23.74)

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product/ packaging disposal	Containers may still present a chemical hazard/danger when empty. Return to supplier for reuse/recycling if possible. Otherwise: If container cannot be cleaned sufficiently well to ensure that residuals do not remain or if the container cannot be used to store the same product, then puncture containers, to prevent re-use, and bury at an authorised landfill. Where possible retain label warnings and SDS and observe all notices pertaining to the product. **DO NOT** allow wash water from cleaning or process equipment to enter drains. In all cases disposal to sewer may be subject to local laws and regulations and these should be considered first. Consult State Land Waste Authority for disposal. Bury or incinerate residue at an approved site. Recycle containers if possible, or dispose of in an authorised landfill.

SECTION 14: TRANSPORT INFORMATION

Labels required		
		
Marine pollutant:	NO	
Land transport (DOT)		
14.1 UN Number	2810	
14.2 UN Proper Shipping Name	Toxic, liquids, organic, n.o.s. (contains ivermectin)	
14.3 Transport hazard class(es)	Class	6.1
	Subrisk	Not Applicable
14.4 Packing group	III	
14.5 Environmental hazards	Not Applicable	
14.6 Special precautions for user	Hazard identification (Kemler)	6.1
	Special provisions	IB3, T7, TP1, TP28
Air transport (ICAO-IATA / DGR)		
14.1 UN Number	2810	
14.2 UN Proper Shipping Name	Toxic, liquids, organic, n.o.s. * (contains ivermectin)	
14.3 Transport hazard class(es)	ICAO/IATA Class	6.1
	ICAO / IATA Subrisk	Not Applicable
	ERG Code	6L
14.4 Packing group	III	
14.5 Environmental hazards	Not Applicable	
14.6 Special precautions for user	Special provisions	A3 A4 A137
	Cargo Only Packing Instructions	663
	Cargo Only Maximum Qty / Pack	220 L
	Passenger and Cargo Packing Instructions	655
	Passenger and Cargo Maximum Qty / Pack	60 L
	Passenger and Cargo Limited Quantity Packing Instructions	Y642
	Passenger and Cargo Limited Maximum Qty / Pack	2 L
Sea transport (IMDG-Code / GGVSee)		
14.1 UN Number	2810	
14.2 UN Proper Shipping Name	TOXIC, LIQUIDS, ORGANIC, n.o.s. (contains ivermectin)	
14.3 Transport hazard class(es)	IMDG Class	6.1

	IMDG Subrisk	Not Applicable
14.4 Packing group	III	
14.5 Environmental hazards	Not Applicable	
14.6 Special precautions for user	EMS Number	F-A, S-A
	Special provisions	223 274
	Limited Quantities	5 L

14.7 Transport in bulk according to Annex II of MARPOL and the IBC code
Not Applicable

14.8 Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code

Product name	Group
	Not available for any ingredient

14.9 Transport in bulk in accordance with ICG Code

Product name	Group
	Not available for any ingredient

SECTION 15: REGULATORY INFORMATION

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

Product regulated by FDA as a veterinary product.

propylene glycol is found on the following regulatory lists
US AIHA Workplace Environmental Exposure Levels (WEELs), US ATSDR Minimal Risk Levels for Hazardous Substances (MRLs), US DOE Temporary Emergency Exposure Limits (TEELs), US EPA Integrated Risk Information System (IRIS), US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory, US Toxicology Excellence for Risk Assessment (TERA) Workplace Environmental Exposure Levels (WEEL), US TSCA Chemical Substance Inventory - Interim List of Active Substances

Carbopol 947P is found on the following regulatory lists
Not Applicable

ivermectin is found on the following regulatory lists
International WHO List of Proposed Occupational Exposure Limit (OEL) Values for Manufactured Nanomaterials (MNMS), US - Alaska Air Quality Control - Concentrations Triggering an Air Quality Episode for Air Pollutants Other Than PM-2.5, US NIOSH Recommended Exposure Limits (RELs), US OSHA Permissible Exposure Limits (PELs) Table Z-1, US OSHA Permissible Exposure Limits (PELs) Table Z-3

titanium dioxide is found on the following regulatory lists
Chemical Footprint Project - Chemicals of High Concern List, International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs, International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs - Group 2B: Possibly carcinogenic to humans, International WHO List of Proposed Occupational Exposure Limit (OEL) Values for Manufactured Nanomaterials (MNMS), US - Alaska Air Quality Control - Concentrations Triggering an Air Quality Episode for Air Pollutants Other Than PM-2.5, US - California Proposition 65 – Carcinogens, US - California Safe Drinking Water and Toxic Enforcement Act of 1986 - Proposition 65 List, US - Massachusetts - Right To Know Listed Chemicals, US DOE Temporary Emergency Exposure Limits (TEELs), US List of Active Substances Exempt from the TSCA Inventory Notifications (Active-Inactive) Rule, US NIOSH Carcinogen List, US NIOSH Recommended Exposure Limits (RELs), US OSHA Permissible Exposure Limits (PELs) Table Z-1, US OSHA Permissible Exposure Limits (PELs) Table Z-3, US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory, US TSCA Chemical Substance Inventory - Interim List of Active Substances

Federal Regulations

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Section 311/312 hazard categories

Flammable (Gases, Aerosols, Liquids, or Solids)	No
Gas under pressure	No
Explosive	No
Self-heating	No
Pyrophoric (Liquid or Solid)	No
Pyrophoric Gas	No
Corrosive to metal	No
Oxidizer (Liquid, Solid or Gas)	No
Organic Peroxide	No
Self-reactive	No
In contact with water emits flammable gas	No
Combustible Dust	No
Carcinogenicity	Yes
Acute toxicity (any route of exposure)	Yes
Reproductive toxicity	Yes
Skin Corrosion or Irritation	Yes
Respiratory or Skin Sensitization	Yes
Serious eye damage or eye irritation	Yes
Specific target organ toxicity (single or repeated exposure)	No
Aspiration Hazard	No
Germ cell mutagenicity	Yes
Simple Asphyxiant	No
Hazards Not Otherwise Classified	No

US. EPA CERCLA Hazardous Substances and Reportable Quantities (40 CFR 302.4)
None reported

State Regulations

US California Proposition 65

WARNING: This product can expose you to chemicals including **white mineral oil (petroleum)**, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.

National Inventory Status	
Australia - AIIC / Australia Non-Industrial Use	No (Carbopol 974P; ivermectin)
Canada - DSL	No (Carbopol 974P)
Canada - NDSL	No (propylene glycol; Carbopol 974P; ivermectin; triethanolamine)
China - IECSC	No (Carbopol 974P; ivermectin)
Europe - EINEC / ELINCS /NLP	No (Carbopol 974P)
Japan - ENCS	No (Carbopol 974P; ivermectin)
Korea - KECI	No (Carbopol 974P; ivermectin)
New Zealand - NZIoC	No (Carbopol 974P)
Philippines - PICCS	No (ivermectin)
USA - TSCA	No (Carbopol 974P; ivermectin)
Taiwan - TCSI	No (Carbopol 974P)
Mexico - INSQ	No (Carbopol 974P; ivermectin)
Vietnam - NCI	No (Carbopol 974P; ivermectin)
Russia - FBEPH	No (Carbopol 974P; ivermectin)

Yes = All CAS declared ingredients are on the inventory
No = One or more of the CAS listed ingredients are not on the inventory. These ingredients may be exempt or will requireregistration

SECTION 16: OTHER INFORMATION

Initial date: January 2023

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

Definitions and abbreviations

PC—TWA: Permissible Concentration-Time Weighted Average
PC—STEL: Permissible Concentration-Short Term Exposure Limit
IARC: International Agency for Research on Cancer
ACGIH: American Conference of Governmental Industrial Hygienists
IDLH: Immediately Dangerous to Life or Health Concentrations
AIIC: Australian Inventory of Industrial Chemicals
IECSC: Inventory of Existing Chemical Substance in China
EINECS: European INventory of Existing Commercial chemical Substances
ELINCS: European List of Notified Chemical Substances
ENCS: Existing and New Chemical Substances Inventory
PICCS: Philippine Inventory of Chemicals and Chemical Substances
INSQ: Inventario Nacional de Sustancias Químicas
NCI: National Chemical Inventory
FBEPH: Russian Register of Potentially Hazardous Chemical and Biological Substances
NZIoC: New Zealand Inventory of Chemicals
STEL: Short Term Exposure Limit
TEEL: Temporary Emergency Exposure Limit
ES: Exposure Standard
OSF: Odour Safety Factor
NOAEL :No Observed Adverse Effect Level
LOAEL: Lowest Observed Adverse Effect Level
TLV: Threshold Limit Value
LOD: Limit Of Detection
OTV: Odour Threshold Value
BCF: BioConcentration Factors
BEI: Biological Exposure Index
DSL: Domestic Substances List
NDSL: Non-Domestic Substances List
NLP: No-Longer Polymers
KECI: Korea Existing Chemicals Inventory
TSCA: Toxic Substances Control Act
TCSI: Taiwan Chemical Substance Inventory

The information provided in this Safety Data Sheet has been compiled by Dechra Veterinary Products LLC and is correct to the best of its knowledge, information and belief as of the date of its publication. However, Dechra Veterinary Products LLC makes no warranties, express or implied, in relation to the information set out in this Safety Data Sheet, including, without limitation, as to its accuracy or completeness. The information provided is not a quality specification, and is prepared by way of guidance as to the safe handling, use, processing, storage, transportation, disposal and release of the relevant products referred to. The user is responsible for determining whether or not the product is fit for any particular purpose and/or suitable for the user's proposed method of use and application.