SECTION 1: IDENTIFICATION	
1.1 Product identifier	
Product name:	TrizCHLOR / DermaCHLOR 4 Shampoo
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:	Shampoo for dogs, cats and horses
Uses advised against:	Not for human use.
1.3 Details of the supplier of the substance or mixture	
Registered company name (US):	Dechra Veterinary Products LLC
Address:	7015 College Blvd Suite 525 Overland Park KS 66211 USA
Telephone:	+1 (866) 933 2472
Fax:	Not available
Website:	www.dechra.com
Email:	Not available
Distributor name (Canada):	Dechra Veterinary Products
Address:	1 Holiday Ave, East Tower, Suite 345 Pointe-Claire, QC H9R 5N3 Canada
Telephone:	+1 (855) 332 9334
Website:	www.dechra.ca
Email:	Not Available
1.4 Emergency Telephone Numbers	
Dechra (US):	+1 (866) 933 2472
Dechra (CA):	+1 (855) 332 9334

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

NFPA 704 Diamond

Canadian WHMIS Symbol:

2.2 Label Elements

Hazard Pictogram:	
Signal Word:	WARNING

Hazard statement(s):

H315 Causes skin irritation
H317 May cause an allergic skin reaction
H319 Causes serious eye irritation

Supplementary Statement(s) EU:	
	Not applicable
Precautionary Statement(s) Prevention:	
	P280 Wear protective gloves / protective clothing / eye protection/ face protection
Precautionary Statement(s) Response:	
	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:	
	Not applicable.
Precautionary Statement(s) Disposal:	
	P501 Dispose of contents/ container in accordance with local regulations

2.3 Other Hazard Information
Not applicable.

SECTION 3: INFORMATION ON THE INGREDIENTS

3.1 Substances

See section below for composition of mixtures

3.2 Mixtures

1. CAS No 2. EC Number 3. Index Number 4. REACH Number	% Weight	Name
70592-80-2	1-10	Cocodimethylamine oxide
18472-51-0	1-10	Chlorhexidine gluconate
61789-40-0	1-10	Cocamidopropylbetaine
77-92-9	1-10	Citric acid
26172-55-4	<0.002	5-chloro-2-methyl-4-isothiazolin-3-one
2682-20-4	<0.001	2-methyl-4-isothiazolin-3-one
Other ingredients	Not indicated	Ingredients determined not to be hazardous

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact:	Accidental spillage on the eyes 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:	Accidental spillage on the skin should be washed off with plenty of water. If irritation occurs, seek medical advice and show the package leaflet or the label to the medical practitioner.
Inhalation:	Inhalation is highly unlikely due to the nature of the product and how it is packaged and administered. If irritation or difficulty in breathing occurs, seek urgent medical advice and show the package leaflet or the label to the medical practitioner. Remove the patient from the contaminated area. Lay the patient down, keep warm and rested.
Ingestion:	Ingestion is highly unlikely due to the nature of the product and how it is packaged and administered. If swallowed, seek medical advice and show the package leaflet or the label to the medical practitioner. Remove material and give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink.

4.2 Most important symptoms and effects, both acute and delayed	
Eye contact:	May cause serious eye irritation.
Skin contact:	May cause any skin irritation.
Ingestion:	May cause discomfort, nausea and vomiting 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
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:	Extremely high temperatures such as encountered in a fire may produce hazardous fumes.

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 Spills are unlikely due to the nature of the product and how it is packaged	
Minor Spills:	Small spills should be cleaned up and placed in a closed container for disposal.

Major Spills:	Large spills should be diked and contained and then absorbed with no reactive materials and place in disposal drums.

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 at room temperature Keep out of the reach and sight of children.

7.2 Conditions for safe storage, including any incompatibilities

Suitable Container:	8 fl oz. bottle, 16 fl oz. bottle, gallon bottle
Storage incompatibility:	No known incompatibilities.

7.3 Specific end uses

Not available

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

Not Available

EMERGENCY LIMITS (EU/US):

Ingredient	Material Name	TEEL-1	TEEL-2	TEEL-3
5-chloro-2-methyl-4-isothiazolin-3-one	Chloro-2-methyl-4-isothiazolin-3-one, 5-	0.6 mg/m3	6.6 mg/m3	40 mg/m3

Ingredient	Original IDLH	Revised IDLH
Cocodimethylamine oxide	Not Available	Not Available
Chlorhexidine gluconate	Not Available	Not Available
Cocamidopropylbetaine	Not Available	Not Available
Citric acid	Not Available	Not Available
5-chloro-2-methyl-4-isothiazolin-3-one	Not Available	Not Available
2-methyl-4-isothiazolin-3-one	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:	
Eye and face protection:	Safety glasses with side shields
Skin protection:	See hand protection below
Hands/ feet protection:	No special equipment needed when handling small quantities. OTHERWISE: Wear chemical protective gloves
Body protection:	Wear appropriate clothing
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: Clear pale yellow viscous liquid **Container:** 8 fl. oz bottle, 16 fl. oz bottle, gallon bottle **Physical state:** Liquid **Odour:** characteristic apple/ kiwi fragrance **Melting point / freezing point (degrees C):** Not applicable **Initial boiling point and boiling range:** Not available **Flash Point:** Not applicable **Evaporation rate** Not applicable **Flammability:** Not available **Upper/lower flammability or explosive limits:** Not available **Vapour pressure:** Not applicable **Specific Gravity:** Not available **Solubility in water and solvents (mg/l):** Miscible in water **Auto ignition temperature (degrees C):** Not available **Decomposition temperature (degrees C):** Not available **Viscosity: (degrees C):** Not available **Explosive properties:** Not available **Oxidising properties:** Not available **Partition Coefficient:** Not available **Taste:** Not applicable **Surface tension:** Not available **Volatile component:** Not available **Gas group:** Not applicable **pH:** 4-6 **VOC g/L:** Not applicable
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 polymerisation will not occur.
10.3 Possibility of hazardous reactions:	The product is not considered to be hazardous if used as per instructions. Hazardous polymerisation will not occur.
10.4 Conditions to avoid:	Protect from light.
10.5 Incompatible materials:	See section 7.
10.6 Hazardous decomposition:	See Section 5.

SECTION 11: TOXICOLOGICAL INFORMATION		
Inhalation:	Not expected to cause any irritation of the respiratory tract	
Ingestion:	May cause discomfort, nausea and vomiting if ingested in large quantities	
Skin contact:	May cause skin irritation and inflammation	
Eye contact:	May cause severe eye damage	
Chronic:	Skin contact with the material is more likely to cause a sensitisation reaction in some persons	
TrizCHLOR / DermaCHLOR 4 Shampoo:	**Toxicity**	**Irritation**
	Not available	Not available
Cocodimethylamine oxide	**Toxicity**	**Irritation**
	Oral (rat) LD50: >2000 mg/kg[2]	Not available
chlorhexidine gluconate	**Toxicity**	**Irritation**
	Oral (rat) LD50: 2000 mg/kg[2]	Not available
Cocamidopropyl-betaine	**Toxicity**	**Irritation**
	dermal (rat) LD50: >2000 mg/kg[1] Oral (rat) LD50: 2700 mg/kg[2]	Eye & Skin – irritating [1]
Citric acid	**Toxicity**	**Irritation**
	dermal (rat) LD50: >2000 mg/kg[1] Oral (rat) LD50: 3000 mg/kg[2]	Eye (rabbit): 0.75 mg/24h-SEVERE Skin (rabbit): 500 mg/24h - mild
5-chloro-2-methyl-4-isothiazolin-3-one	**Toxicity**	**Irritation**
	dermal (rat) LD50: >1008 mg/kg[2] Oral (rat) LD50: 481 mg/kg[2]	Eye: adverse effect observed (irreversible damage)[1] Skin: adverse effect observed (corrosive & irritating)[1]
2-methyl-4-isothiazolin-3-one	**Toxicity**	**Irritation**
	dermal (rat) LD50: 242 mg/kg[1] Oral (rat) LD50: 120 mg/kg[1]	Eye: adverse effect observed (irreversible damage)[1] Skin: adverse effect observed (corrosive)[1]

1. 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 any skin irritation.
Serious eye damage/irritation:
May cause serious eye damage
Respiratory or skin sensitization:
Not expected to be a respiratory sensitization. Chronic exposure may cause skin sensitization in some individuals.
Germ cell mutagenicity:
Not available
Carcinogenicity:
Not expected to be carcinogenic.
Reproductive toxicity:
Not expected to cause reproductive effects
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
TrizCHLOR / DermaCHLOR 4 Shampoo	Not available	Not available	Not available	Not available	Not available
Cocodimethyl-amine oxide	NOEC	504	Fish	0.5 mg/l	4

Chlorhexidine gluconate	LC50 EC50 EC50 BCF NOEC	96 48 72 24 72	Fish Crustacea Algae or other aquatic plants Algae or other aquatic plants Algae or other aquatic plants	2.08 mg/l 0.087 mg/l 0.011 mg/l 0.05 mg/l 0.007 mg/l	2 2 2 4 2
Cocamidopropyl-betaine	LC50 EC50 EC50 NOEC	96 48 96 672	Fish Crustacea Algae or other aquatic plants Fish	=1 mg/l 6.4 mg/l 0.55 mg/l 0.16 mg/l	1 2 2 2
Citric acid	LC50 EC50 EC50 EC0 NOEC	96 48 72 72 16	Fish Crustacea Algae or other aquatic plants Crustacea Crustacea	1-516 mg/l >50 mg/l 990 mg/l <80 mg/l 153 mg/l	2 2 2 1 4
5-chloro-2-methyl-4-isothiazolin-3-one	LC50 EC50 EC50 NOEC	96 48 72 504	Fish Crustacea Algae or other aquatic plants Crustacea	0.19 mg/l 0.028 mg/l 0.021 mg/l 0.172 mg/l	4 4 4 1
2-methyl-4-isothiazolin-3-one	LC50 EC50 EC50 EC10 NOEC	96 48 72 72 96	Fish Crustacea Algae or other aquatic plants Algae or other aquatic plants Algae or other aquatic plants	0.07 mg/l 0.18 mg/l 0.05 mg/l 0.0346 mg/l 0.01 mg/l	4 4 4 2 2

DO NOT discharge into sewer or waterways.

12.2 Persistence and degradability

Ingredient	**Persistence: Water/Soil**	**Persistence: Air**
Citric acid	LOW	LOW
5-chloro-2-methyl-4-isothiazolin-3-one	HIGH	HIGH
2-methyl-4-isothiazolin-3-one	HIGH	HIGH

12.3 Bioaccumulative potential

Ingredient	**Bioaccumulative Potential**
Citric acid	LOW (LogKOW = -1.64)

5-chloro-2-methyl- 4-isothiazolin-3- one	LOW (LogKOW = 0.0444)
2-methyl-4- isothiazolin-3-one	LOW (LogKOW = -0.8767)
12.4 Mobility in Soil	
Ingredient	**Mobility**
Citric acid	LOW (KOC = 10)
5-chloro-2-methyl- 4-isothiazolin-3- one	LOW (KOC = 45.15)
2-methyl-4- isothiazolin-3-one	LOW (KOC = 27.88)
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:	Any unused veterinary medicinal product or waste material derived from such veterinary medicinal products should be disposed of in accordance with national requirements. Legislation addressing waste disposal requirements may differ by country, state and/or territory. Each user must refer to laws operating in their area. 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. 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. Ensure that the disposal of material is carried out in accordance with Hazardous Products Regulations (Canada, 2015).
Waste Treatment Options:	Not Available

Sewage Disposal Options:	Not Available

SECTION 14: TRANSPORT INFORMATION	
Labels required:	
Marine pollutant:	NO
Land transport (US: DOT / TDG): 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	
Transport in bulk according to Annex II of MARPOL and the IBC code: Not applicable	

SECTION 15: REGULATORY INFORMATION
15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture
COCODIMETHYLAMINE OXIDE IS FOUND IN THE FOLLOWING REGULATORY LISTS: USA: IATA / IMDG Code / DOT / USPS / TSCA Canada: DSL/ IATA / IMDG Code **CHLORHEXIDINE GLUCONATE IS FOUND IN THE FOLLOWING REGULATORY LISTS:** USA: IATA / IMDG Code / DOT / USPS / TSCA Canada: DSL/ IATA / IMDG Code **COCAMIDOPROPYLBETAINE IS FOUND IN THE FOLLOWING REGULATORY LISTS:** USA: IATA / IMDG Code / DOT / USPS / TSCA Canada: DSL/ IATA / IMDG Code **CITRIC ACID IS FOUND IN THE FOLLOWING REGULATORY LISTS:** USA: GESAMP/EHS / IMO IBC / IMO MARPOL / TSCA Canada: DSL/ WHMIS GHS / GESAMP / IMO IBC / IMO MARPOL

5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE IS FOUND IN THE FOLLOWING REGULATORY LISTS:
USA: IATA / IMDG Code / DOT / TEELs / USPS / TSCA
Canada: DSL/ IATA / IMDG Code

2-METHYL-4-ISOTHIAZOLIN-3-ONE IS FOUND IN THE FOLLOWING REGULATORY LISTS:
USA: IATA / IMDG Code / DOT / USPS / TSCA
Canada: DSL/ IATA / IMDG Code

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	Yes
Canada - DSL	Yes
Canada - NDSL	No (chlorhexidine gluconate, cocodimethlyamine oxide, 5-chloro-2-methyl-4-isothiazolin-3-one, citric acid, 2-methyl-4-isothiazolin-3-one, cocamidopropylbetaine)
China - IECSC	Yes
Europe - EINEC / ELINCS / NLP	Yes
Japan - ENCS	No (chlorhexidine gluconate, cocamidopropylbetaine)
Korea - KECI	Yes
New Zealand - NZIoC	Yes
Philippines - PICCS	No (chlorhexidine gluconate)

USA - TSCA	Yes
Taiwan – TCSI	Yes
Mexico – INSQ	No (cocodimethylamine oxide)
Vietnam – NCI	Yes
Russia – ARIPS	No (cocodimethylamine oxide)
Legend:	*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)*

SECTION 16: OTHER INFORMATION

The SDS is written in accordance to guidelines specified by REACH, GHS, WHMIS and OSHA.

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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