



SECTION 1: IDENTIFICATION	
<b>1.1 Product identifier</b>	
<b>Product name:</b>	MalAcetic Otic Cleanser
<b>Synonyms:</b>	None
<b>Proper Shipping name:</b>	Not applicable
<b>Other means of identification:</b>	None
<b>1.2 Relevant identified uses of the substances or mixture and uses advised against</b>	
<b>Recommended uses:</b>	(US) - Cleanser for dogs, cats and horses (CA) - Cleanser for dogs and cats
<b>Uses advised against:</b>	Not for human use.
<b>1.3 Details of the supplier of the substance or mixture</b>	
<b>Registered company name (US):</b>	Dechra Veterinary Products LLC
<b>Address:</b>	7015 College Blvd Suite 525 Overland Park KS 66211 USA
<b>Telephone:</b>	+1 (866) 933 2472
<b>Fax:</b>	Not available
<b>Website:</b>	<a href="http://www.dechra.com">www.dechra.com</a>
<b>Email:</b>	Not available
<b>Distributor name (Canada):</b>	Dechra Veterinary Products
<b>Address:</b>	1 Holiday Ave, East Tower, Suite 345 Pointe-Claire, QC H9R 5N3 Canada
<b>Telephone:</b>	+1 (855) 332 9334
<b>Website:</b>	<a href="http://www.dechra.ca">www.dechra.ca</a>
<b>Email:</b>	Not Available
<b>1.4 Emergency Telephone Numbers</b>	
<b>Dechra (US):</b>	+1 (866) 933 2472
<b>Dechra (CA):</b>	+1 (855) 332 9334

SECTION 2: HAZARDS IDENTIFICATION	
<b>2.1 Classification of the substance or mixture</b>  NFPA 704 Diamond  	
<b>2.2 Label Elements</b>	
<b>Hazard Pictogram:</b>	Not applicable
<b>Signal Word:</b>	Not applicable
<b>Hazard statement(s):</b>	
Not applicable	
<b>Supplementary Statement(s) EU:</b>	
	Not applicable
<b>Precautionary Statement(s) Prevention:</b>	
	Not applicable
<b>Precautionary Statement(s) Response:</b>	
	Not applicable
<b>Precautionary Statement(s) Storage:</b>	
	Not applicable.
<b>Precautionary Statement(s) Disposal:</b>	
	P501 Dispose of contents/ container in accordance with local regulations
<b>2.3 Other Hazard Information</b>	
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
56-81-5	1-10	Glycerol
9005-64-5	1-10	Sorbitan monolaurate, ethoxylated
64-19-7	1-10	Acetic acid glacial
10043-35-3	1-10	Boric acid
1330-43-4	<1	Sodium borate anhydrous (Na <sub>2</sub> B <sub>4</sub> O <sub>7</sub> )
Other ingredients	Not indicated	Ingredients determined not to be hazardous

**SECTION 4: FIRST AID MEASURES**

**4.1 Description of first aid measures**

<b>Eye contact:</b>	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.
<b>Skin contact:</b>	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.
<b>Inhalation:</b>	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.
<b>Ingestion:</b>	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**

<b>Eye contact:</b>	Not expected to cause any eye irritation.
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<b>Skin contact:</b>	Not expected to cause any skin irritation.
<b>Ingestion:</b>	May cause discomfort, nausea and vomiting if ingested in large quantities
See Section 11 for more detailed information	
<b>4.3 Indication of immediate medical attention and special treatment needed</b> Treat symptomatically.	

<b>SECTION 5: FIRE FIGHTING MEASURES</b>	
<b>5.1 Extinguishing media</b>	
<b>Suitable:</b>	Select extinguishing media suitable for surrounding area
<b>Unsuitable:</b>	There is no restriction on the type of extinguisher which may be used
<b>5.2 Special hazards arising from the substance or mixture</b>	
<b>Fire incompatibility:</b>	None known
<b>5.3 Special protective actions for fire-fighters:</b>	
<b>Firefighting:</b>	Use water delivered as a fine spray to control fire and cool adjacent area. <b>Do not</b> 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.
<b>Fire / explosion hazard:</b>	Extremely high temperatures such as encountered in a fire may produce hazardous fumes.

<b>SECTION 6: ACCIDENTAL RELEASE MEASURES</b>	
<b>6.1 Personal precautions, protective equipment and emergency procedures</b>	
For information on protective equipment, see section 8	
<b>6.2 Environmental Precautions</b>	
See section 12	
<b>6.3 Methods and material for containment and cleaning up</b>	
Spills are unlikely due to the nature of the product and how it is packaged	
<b>Minor Spills:</b>	Small spills should be cleaned up and placed in a closed container for disposal.
<b>Major Spills:</b>	Large spills should be diked and contained and then absorbed with no reactive materials and place in disposal drums.



<b>SECTION 7: HANDLING AND STORAGE</b>	
<b>7.1 Precautions for safe handling</b>	
<b>Safe Handling:</b>	Always wash hands with water after handling. Observe manufacturer's storage and handling recommendations.
<b>Other Information:</b>	Store at room temperature Keep out of the reach and sight of children.
<b>7.2 Conditions for safe storage, including any incompatibilities</b>	
<b>Suitable Container:</b>	4 fl oz. bottle, 8 fl oz. bottle, 16 fl oz. bottle
<b>Storage incompatibility:</b>	No known incompatibilities.
<b>7.3 Specific end uses</b>	
Not available	

<b>SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION</b>				
<b>8.1 Control parameters</b>				
<b>DERIVED NO EFFECT LEVEL – DNEL (EU)</b>				
Not Available				
<b>PREDICTED NO EFFECT LEVEL – PNEC (EU)</b>				
Not Available				
<b>OCCUPATIONAL EXPOSURE LIMITS (OEL)</b>				
<b>INGREDIENT DATA</b>				
Not Available				
<b>EMERGENCY LIMITS (EU/US):</b>				
<b>Ingredient</b>	<b>Material Name</b>	<b>TEEL-1</b>	<b>TEEL-2</b>	<b>TEEL-3</b>
glycerol	Glycerine, glycerol	45 mg/m <sup>3</sup>	860 mg/m <sup>3</sup>	2500 mg/m <sup>3</sup>
Boric acid	Boric acid	6 mg/m <sup>3</sup>	23 mg/m <sup>3</sup>	830 mg/m <sup>3</sup>
Sodium borate anhydrous (Na <sub>2</sub> B <sub>4</sub> O <sub>7</sub> )	Sodium borate, sodium borate decahydrate	6 mg/m <sup>3</sup>	190 mg/m <sup>3</sup> , 88 mg/m <sup>3</sup>	1100 mg/m <sup>3</sup> , 530 mg/m <sup>3</sup>

Ingredient	Original IDLH	Revised IDLH
Acetic acid	50 ppm	Not Available

8.2 Exposure controls	
<b>Appropriate engineering controls:</b>	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.
<b>Personal protection:</b>	
<b>Eye and face protection:</b>	Not required
<b>Skin protection:</b>	See hand protection below
<b>Hands/ feet protection:</b>	No special equipment needed when handling small quantities. OTHERWISE: Wear chemical protective gloves
<b>Body protection:</b>	Wear appropriate clothing
<b>Other protection:</b>	No special equipment needed when handling small quantities
<b>Thermal hazards:</b>	Not applicable
<b>Respiratory protection:</b>	Not applicable
<b>8.3 Environmental exposure controls</b> See Section 12	



**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties**

**Appearance:** Clear colourless liquid  
**Container:** 4 fl oz. bottle, 8 fl. oz bottle, 16 fl. oz bottle  
**Physical state:** Liquid  
**Odour:** characteristic acetic/ apple odour  
**Melting point / freezing point (degrees C):** Not applicable  
**Initial boiling point and boiling range:** 100°C  
**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:** 4.5-5.5  
**VOC g/L:** Not applicable

**9.2 Other information**  
 Not Available

**SECTION 10: STABILITY AND REACTIVITY**

<b>10.1 Reactivity:</b>	See Section 7.
<b>10.2 Chemical stability:</b>	Product is considered stable. Hazardous polymerisation will not occur.
<b>10.3 Possibility of hazardous reactions:</b>	The product is not considered to be hazardous if used as per instructions. Hazardous polymerisation will not occur.
<b>10.4 Conditions to avoid:</b>	Protect from light.
<b>10.5 Incompatible materials:</b>	See section 7.
<b>10.6 Hazardous decomposition:</b>	See Section 5.

**SECTION 11: TOXICOLOGICAL INFORMATION**

<b>Inhalation:</b>	Not expected to cause any irritation of the respiratory tract	
<b>Ingestion:</b>	May cause discomfort, nausea and vomiting if ingested in large quantities	
<b>Skin contact:</b>	Not expected to cause skin irritation and inflammation	
<b>Eye contact:</b>	Not expected to cause eye irritation	
<b>Chronic:</b>	Due to the nature of the product, not expected to cause any chronic effects	
<b>MalAcetic Otic Cleanser:</b>	<b>Toxicity</b>	<b>Irritation</b>
	Not available	Not available
<b>glycerol</b>	<b>Toxicity</b>	<b>Irritation</b>
	Oral (rat) LD50: >10000 mg/kg[2]	Not available
<b>Acetic acid glacial</b>	<b>Toxicity</b>	<b>Irritation</b>
	Oral (rat) LD50: 1501 mg/kg [2]	Eye (rabbit) 0.05 mg (open): Severe Skin (rabbit) 525 mg (open): Severe Skin (human) 50mg/24hr - mild
<b>Boric acid</b>	<b>Toxicity</b>	<b>Irritation</b>
	dermal (rabbit) LD50: >2000 mg/kg[2] Oral (rat) LD50: 2500 mg/kg[2]	Skin (human): 15 mg/3d - mild
<b>Sorbitan monolaurate, ethoxylated</b>	<b>Toxicity</b>	<b>Irritation</b>
	Oral (rat) LD50: 37000 mg/kg[2]	Skin (human): 15 mg/3d mild
<b>Sodium borate anhydrous (Na<sub>2</sub>B<sub>4</sub>O<sub>7</sub>)</b>	<b>Toxicity</b>	<b>Irritation</b>
	Dermal (rabbit) LD50: >2000 mg/kg [2] Oral (rat) LD50: >250 mg/kg [1]	Eye: irritating [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:**

Not expected to cause any skin corrosion/ irritation.

**Serious eye damage/irritation:**



Not expected to cause eye damage / irritation
<b>Respiratory or skin sensitization:</b>
Not expected to be a respiratory or skin sensitization.
<b>Germ cell mutagenicity:</b>
Not available
<b>Carcinogenicity:</b>
Not expected to be carcinogenic.
<b>Reproductive toxicity:</b>
Not expected to cause reproductive effects
<b>STOT – single exposure:</b>
Not available
<b>STOT–repeated exposure:</b>
Not available
<b>Aspiration hazard:</b>
Not available

SECTION 12: ECOLOGICAL INFORMATION					
12.1 Toxicity					
Ingredient	Endpoint	Test duration (hr)	Species	Value	Source
MalAcetic Otic Cleanser	Not available	Not available	Not available	Not available	Not available
glycerol	LC50	96	Fish	>0.011 mg/l	2
	EC50	96	Algae or other aquatic plants	77712.039 mg/l	3
Acetic acid glacial	LC50	96	Fish	>1 mg/l	2
	EC50	48	Crustacea	>1 mg/l	2
	EC50	72	Algae or other aquatic plants	>1 mg/l	2
	NOEC	72	Algae or other aquatic plants	1 mg/l	2
Boric acid	LC50	96	Fish	74 mg/l	2
	EC50	48	Crustacea	133 mg/l	4
	EC50	96	Algae or other aquatic plants	15.4 mg/l	2
	NOEC	768	Fish	0.009 mg/l	2



Sorbitan monolaurate, ethoxylated	LC50	96	Fish Algae or other aquatic plants	>100mg/l	2
	EC50	72		20-24 mg/l	2
Sodium borate anhydrous (Na <sub>2</sub> B <sub>4</sub> O <sub>7</sub> )	LC50	96	Fish Algae or other aquatic plants	74 mg/l	2
	EC50	96		15.4 mg/l	4
	NOEC	768	Fish	0.009 mg/l	2

**DO NOT discharge into sewer or waterways.**

### 12.2 Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
Glycerol	LOW	LOW
Acetic acid glacial	LOW	LOW
Boric acid	LOW	LOW

### 12.3 Bioaccumulative potential

Ingredient	Bioaccumulative Potential
Glycerol	LOW (LogKOW = -1.76)
Acetic acid glacial	LOW (LogKOW = -0.17)
Boric acid	LOW (BCF = 0)

### 12.4 Mobility in Soil

Ingredient	Mobility
Glycerol	HIGH (KOC = 1)
Acetic acid glacial	HIGH (KOC = 1)
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

<b>Product / packaging disposal:</b>	<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</p>
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	<p>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 Products Regulations (Canada, 2015).</p>
<b>Waste Treatment Options:</b>	Not Available
<b>Sewage Disposal Options:</b>	Not Available

SECTION 14: TRANSPORT INFORMATION	
<b>Labels required:</b>	
<b>Marine pollutant:</b>	NO
<b>Land transport (US: DOT / TDG): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS</b>	
<b>Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS</b>	
<b>Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS</b>	
<b>Transport in bulk according to Annex II of MARPOL and the IBC code: Not applicable</b>	



**SECTION 15: REGULATORY INFORMATION**

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

**GLYCEROL IS FOUND IN THE FOLLOWING REGULATORY LISTS:**

USA: GESAMP/EHS / IMO IBC / IMO MARPOL / TEELs / RELs / TSCA  
 Canada: DSL/ GESAMP/EHS / IMO IBC / IMO MARPOL

**ACETIC ACID GLACIAL IS FOUND IN THE FOLLOWING REGULATORY LISTS:**

USA: GESAMP/EHS / IMO IBC / IMO MARPOL / IATA / IMDG Code / DOT / USPS / TSCA / WEELs / RELs / PELs  
 Canada: DSL/ WHMIS GHS / GESAMP/EHS / IMO IBC / IMO MARPOL / IATA / IMDG Code

**BORIC ACID IS FOUND IN THE FOLLOWING REGULATORY LISTS:**

USA: GESAMP/EHS / IATA / TLV/ WEELs / TEELs / STCA / USPS  
 Canada: DSL/ GESAMP/EHS / IATA / WHMIS GHS

**SORBITAN MONOLAUATE, ETHOXYLATED IS FOUND IN THE FOLLOWING REGULATORY LISTS:**

USA: TSCA  
 Canada: DSL

**SODIUM BORATE ANYDROUS IS FOUND IN THE FOLLOWING REGULATORY LISTS:**

USA: GESAMP/EHS / PELs / TLV / WEELs / TEELs/ RELs/ TSCA  
 Canada: DSL/ WHMIS GHS / IATA / GESAMP/EHS

**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 (glycerol, sorbitan monolaurate ethoxylated, acetic acid glacial, boric acid)
China - IECSC	Yes
Europe - EINEC / ELINCS / NLP	Yes
Japan - ENCS	Yes
Korea - KECI	Yes
New Zealand - NZIoC	Yes
Philippines - PICCS	Yes
USA - TSCA	Yes
Taiwan – TCSI	Yes
Mexico – INSQ	Yes
Vietnam – NCI	Yes
Russia – ARIPS	No (sorbitan monolaurate ethoxylated)
<b>Legend:</b>	<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, 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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