

SAFETY DATA SHEETS

This SDS packet was issued with item:

078013183

N/A

Identity: C.E.T.® 0.12% Chlorhexidine Rinse

Product Code CET802 Page 1 of 2

Section I

Supplier Information:

Emergency Telephone Number

Name: VIRBAC CORP. (Virbac AH Inc.,
Allerderm®, Francodex®, Mardel®, St.
JON®, PMResources, Zema®)
Address: P. O. BOX 162059
City: FORT WORTH
State: TX 76161

Contact : **POISON CONTROL CENTER or 911**
or Chem Trec 1-800-424-9300

Telephone Number for Information
Contact Virbac: 800/338-3659

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Special Chemical Identification; Common Name)	OSHA PEL	ACGIH TLV	STEL	CAS #	% (opt.)
Chlorhexidine Gluconate.	Not Applicable	Not Applicable	Not Applicable	56-55-1	0.12
Sorbitol	Not Applicable	Not Applicable	Not Applicable	50-70-4	
Alcohol	Not Applicable	Not Applicable	Not Applicable	64-17-5	
Hydroxyethylcellulose	Not Applicable	Not Applicable	Not Applicable	9004-62-0	
Mint Flavor	Not Applicable	Not Applicable	Not Applicable		

Section III - Physical/Chemical Characteristics

Boiling Point:	Not Applicable
Specific Gravity (H ₂ O = 1):	Not Applicable
Vapor Pressure (mm Hg):	Not Applicable
Melting Point:	Not Applicable
Vapor Density (AIR = 1):	Not Applicable
Evaporation Rate (Butyl Acetate = 1):	Not Applicable
Solubility in Water:	Complete
Appearance and Odor:	Clear colorless liquid with mint odor.

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used):	Not Flammable, however, see fire precautions.
Flammable Limits:	LEL: Not Applicable UEL: Not Applicable
Extinguishing Media:	Water spray, dry chemical, carbon dioxide, or foam suitable for the surrounding fire and materials.
Special Firefighting Procedures:	Not Applicable
Unusual Fire and Explosion Hazards:	None.

Section V - Reactivity Data

Stability	STABLE
Incompatibility	(Materials to Avoid):
Hazardous Decomposition or Byproducts:	Not Applicable
Hazardous Polymerization	WILL NOT OCCUR
Conditions to Avoid:	Heat and Open Flame

Identity: C.E.T.® 0.12% Chlorhexidine Rinse

Product Code CET802 Page 2 of 2

Section VI - Health Hazard Data

Routes of Entry: Inhalation? NO Skin? NO Ingestion? YES

Health Hazards (Acute and Chronic): None presently known.

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

Signs and Symptoms of Exposure: Symptoms of overexposure unknown at this time.

Medical Conditions Generally Aggravated by Exposure: None presently known.

Emergency and First Aid Procedures

INGESTED: Call a physician or Poison Control Center. If swallowed, seek medical attention.

SKIN CONTACT: Wash affected areas promptly and thoroughly with soap and water. Rinse thoroughly. If irritation occurs, get medical attention.

EYE CONTACT: Rinse eyes with water for a minimum of 15 minutes and call a physician if irritation persists.

INHALATION: Not Applicable.

Note to Physician:

This solution has a low oral toxicity, and is minimally irritative to the eyes and practically non-irritating to the skin. Treatment is controlled removal of exposure followed by symptomatic and supportive care.

Section VII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled: Reduce fire hazard by diluting with water. Material is slippery. Remove all sources of ignition. Dike and contain spill. Clean with inert absorbent material and collect for disposal.

Waste Disposal Method: Dispose of according to all local, state, and federal laws.

Precautions to be Taken in Handling or Storage: Store in a tightly closed container in a cool, dry area away from heat or open flame.

Other Precautions: Keep out of the reach of children.

Section VIII - Control Measures

Respiratory Protection: For splash or mist exposure, wear as a minimum, a properly dust-mist respirator. Respirator use and selection must be based on airborne concentrations.

Ventilation Local Exhaust: Not Applicable
Special: Not Applicable
Mechanical (General): Not Applicable

Protective Gloves: Rubber gloves for prolonged or repeated exposure

Eye Protection: Glasses or goggles

Other Protective Clothing or Equipment: Protective clothing i.e. waterproof gloves, preferably elbow length, persons who repeatedly use or are exposed to this product in grooming operations should wear waterproof aprons.

Work/Hygienic Practices: Wash hands after using.

Section IX - Additional Information

Disclaimer of Expressed and Implied Warranties: This information is provided in good faith but without express or implied warranty. Buyer assumes all responsibility for safety and use not in accordance with label instructions.

Prepared by QA Department

New MSDS Dated: 05/30/02

Supercedes MSDS Date: 10/29/01



MATERIAL SAFETY DATA SHEET
C. E. T.® 0.12% Chlorhexidine Oral Hygiene Rinse
Product Code: CET802

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

Product Name C. E. T.® 0.12% Chlorhexidine Oral Hygiene Rinse
Product Description Oral hygiene rinse for cats and dogs
Manufacturer/Supplier Virbac AH, Inc.
Address P.O. Box 162059
Fort Worth, Texas 76161
Phone Number (800) 338-3659
Chemtrec Number (24 hour) (800) 424-9300
Other Emergency Numbers: Poison Control Center: 1-800-222-1222
MSDS Revision Date: June 20, 2011
Supersedes MSDS Dated: March 13, 2009

Material Safety Data Sheet in compliance with OSHA's Hazcom Standard (29 CFR 1910.1200)

2. HAZARDS IDENTIFICATION

Emergency Overview

CAUTION!

Avoid contact with eyes.
For animal use only.
Keep out of reach of children.
Read entire label before each use.

Routes of Entry

Eye contact - Skin contact - Ingestion - Inhalation

Carcinogenic Status

Not considered carcinogenic by NTP, IARC, and OSHA.

Target Organs

Eyes - Skin - Central Nervous System - Liver - Heart

Health Effects - Eyes

Contact with eyes can cause irritation.

Health Effects - Skin

Contact with skin may cause irritation.

Health Effects - Ingestion

Ingestion of large quantities of this material may cause gastrointestinal effects such as nausea, vomiting, diarrhea, and abdominal cramps. Chronic ingestion of this material can result in adverse liver, heart and central nervous system effects.

Health Effects - Inhalation

No adverse effects are expected during normal conditions of use.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component Name	CAS Number	Concentration
Chlorhexidine Gluconate	18472-51-0	~0.12%
Sorbitol	50-70-4	5 - 15%
Ethyl Alcohol	64-17-5	5 -15%



4. FIRST AID MEASURES

Eyes

Immediately flood the eye with plenty of water for at least 15-20 minutes, holding the eye open. Obtain medical attention if soreness or redness persists.

Skin

If irritation develops wash skin thoroughly with soap and water. Obtain medical attention if redness or soreness persists.

Ingestion

Call a poison control center or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Inhalation

Remove person to fresh air. Seek medical attention if symptoms persist.

Advice to Physicians

Treat symptomatically.

5. FIRE - FIGHTING MEASURES

Extinguishing Media

Use extinguishing media appropriate for surrounding materials.

Unusual Fire and Explosion Hazards

Can release hazardous vapors during a fire.

Protective Equipment for Fire-Fighting

Wear full protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Wear appropriate protective clothing. Wipe up and transfer into suitable containers for recovery or disposal. Prevent the material from entering drains or watercourses.

7. HANDLING AND STORAGE

Store in original container at room temperature. Store away from children and pets. Avoid contact with eyes.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Standards

Exposure limits are listed below, if they exist.

Chlorhexidine Gluconate

None established

Ethyl Alcohol

ACGIH: 1000 ppm 15-min STEL

OSHA: PEL 1000ppm (1900 mg/m³) 8h TWA

Sorbitol

None established

Engineering Control Measures

No specific measures necessary. Good general room ventilation is expected to be adequate to control airborne levels.

Respiratory Protection

Not required under normal conditions of use.



8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Hand Protection

Protective gloves.

Eye Protection

Not required under normal conditions of use.

Body Protection

Normal work wear.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Color	Clear to light blue
Odor	None
pH	No data available
Specific Gravity	No data available
Boiling Range/Point (°C/F)	No data available
Melting Point (°C/F)	No data available
Flash Point (PMCC) (°C/F)	Not flammable
Explosion Limits (%)	No data available
Vapor Pressure	No data available
Density	No data available
Solubility in Water	No data available
Vapor Density (Air = 1)	No data available

10. STABILITY AND REACTIVITY

Stability

Stable under normal conditions.

Conditions to Avoid

Heat - high temperatures

Materials to Avoid

Strong oxidizers

Hazardous Polymerization

Will not occur.

Hazardous Decomposition Products

Oxides of carbon

11. TOXICOLOGICAL INFORMATION

See product packaging for additional information.

Acute Toxicity

Chlorhexidine Gluconate: Oral LD50 (rat) (male) 2,292 mg/kg (female) 3,055 mg/kg (analogous compound) Dermal LD50 (rabbit) >2000 mg/kg (analogous compound) Inhalation LC50 (rat) 0.30mg/l (males), 0.43 mg/l (females) (analogous compound)

Ethyl Alcohol: Oral LD50 (rat) 7060 mg/kg

Sorbitol: Oral LD50 (rat) 15,900 mg/kg



11. TOXICOLOGICAL INFORMATION

Specific Target Organ Systemic Toxicity (single and repeat)

Chlorhexidine Gluconate: In a dermal toxicity study with rabbits that were topically treated, systemic liver effects were noted at the 500mg/kg/day level. (analogous compound)

Sorbitol: Reports of adverse reactions to sorbitol are largely due to its action as an osmotic laxative when ingested orally, which may be exploited therapeutically. Ingestion of large quantities of sorbitol (> 20g/day in adults) should therefore be avoided.

Ethyl Alcohol: Chronic exposure can result in adverse liver, heart and central nervous system effects.

Serious Eye damage/Eye Irritation

Chlorhexidine Gluconate: Irritating to the eye. (analogous compound)

Ethyl Alcohol: Causes severe eye irritation.

Skin Corrosion/Irritation

Chlorhexidine Gluconate: Subchronic toxicity, rat, dermal – dermal irritant (analogous compound)

Ethyl alcohol: Mildly irritating.

Respiratory or Skin Sensitization

No relevant studies identified.

Carcinogenicity

Not considered carcinogenic by NTP, IARC, and OSHA.

Germ Cell Mutagenicity

Chlorhexidine Gluconate: Gene mutation – no adverse effect (analogous compound)

Chlorhexidine Gluconate: Chromosome effects – no adverse effects (analogous compound)

Chlorhexidine Gluconate: DNA Damage – no adverse effects (analogous compound)

Toxicity to Reproduction

Chlorhexidine Gluconate: Teratology- rat – no adverse effect (analogous compound)

Ethyl Alcohol: Ingestion of ethyl alcohol during pregnancy has caused adverse reproductive effects (fetal alcohol syndrome) but only at doses that are maternally toxic.

12. ECOLOGICAL INFORMATION

Mobility

No relevant studies identified.

Persistence/Degradability

No relevant studies identified.

Bio-accumulation

No relevant studies identified.

Ecotoxicity

Chlorhexidine Gluconate: LC50 Oncorhynchus Mykiss (Rainbow trout, Donaldson trout) 1.9 ppm/96 hr

LC50 Lepomis macrochirus (Bluegill sunfish) 0.6 ppm/96 hr (analogous cmpd)

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with all applicable local and national regulations.

14. TRANSPORT INFORMATION

Contact supplier for transport information.



15. REGULATORY INFORMATION

US REGULATIONS (Federal, State) and INTERNATIONAL CHEMICAL REGISTRATION LAWS

TSCA Listing

This product contains ingredients that are listed on or exempt from listing on the EPA Toxic Substance Control Act Chemical Substance (TSCA) Inventory.

DSL (Canadian) Listing

This product contains ingredients that have not been verified for listing on the Domestic Substance List (DSL).

WHMIS Classification

D.2.B

This product was classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations and the MSDS contains all the information required by these regulations.

MA Right To Know Law

This product contains the following chemicals on the Massachusetts Right to Know Law: Ethyl Alcohol (64-17-5)

PA Right To Know Law

This product contains the following chemicals on the Pennsylvania Hazardous Substance List: Ethyl Alcohol (64-17-5)

NJ Right To Know Law

This product contains the following chemicals on the New Jersey Workplace Hazardous Substance List: Ethyl Alcohol (64-17-5)

California Proposition 65

This product contains the following chemicals which the State of California has found to cause cancer, birth defects or other reproductive harm: None

SARA Title III Sect. 311/312 Categorization

Immediate (acute) Delayed (chronic)

SARA Title III Sect. 313

This product contains the following chemicals that are listed in Section 313 at or above de minimis concentrations: None

16. OTHER INFORMATION

NFPA Ratings

NFPA Code for Flammability - 0

NFPA Code for Health - 1

NFPA Code for Reactivity - 0

NFPA Code for Special Hazards - 0

HMIS Ratings

HMIS Code for Flammability - 0

HMIS Code for Health - 1*

HMIS Code for Reactivity - 0

HMIS Code for Personal Protection - See Section 8

ACGIH: American Conference of Governmental Industrial Hygienists

BOD: Biological Oxygen Demand

CAS#: Chemical Abstracts Service Number

FIFRA: Federal Insecticide, Fungicide and Rodenticide Act

IARC: International Agency for Research on Cancer

LC50: Lethal Concentration 50%

LD50: Lethal Dose 50%



Material Safety Data Sheet
C. E. T.® 0.12% Chlorhexidine Oral Hygiene Rinse
Product Code: CET802

16. OTHER INFORMATION

Abbreviations

N/A: Denotes no applicable information found or available
NTP: National Toxicology Program
OSHA: Occupational Safety and Health Administration
PEL: Permissible Exposure Limit
STEL: Short Term Exposure Limit
TLV: Threshold Limit Value
TSCA: Toxic Substance Control Act

For further Information call: (800) 338-3659

Prepared By: EnviroNet LLC

C.E.T. is a registered trademark of Virbac Corporation.

16. OTHER INFORMATION

The information and recommendations presented in this MSDS are based on sources believed to be accurate. Virbac AH, Inc. assumes no liability for the accuracy or completeness of this information. It is the user's responsibility to determine the suitability of the **material** for their particular purposes. In particular, we make **NO WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED**, with respect to such information, and we assume no liability resulting from its use. Users should ensure that any use **or disposal** of the material is in accordance with applicable Federal, State, and local laws and regulations.



SAFETY DATA SHEET

C. E. T.® 0.12% Chlorhexidine Rinse

1. IDENTIFICATION

Product Name	C. E. T.® 0.12% Chlorhexidine Rinse
Recommended use of the chemical and restrictions on use	
Identified uses	Oral hygiene rinse for cats and dogs
Restrictions on Use	For veterinary use only
Company Identification	Virbac AH, Inc. P.O. Box 162059 Fort Worth, Texas 76161
Customer Information Number	(800) 338-3659
Emergency Telephone Number	
CHEMTREC Number	(800) 424-9300
Other Emergency Number:	Poison Control Center: 1-800-222-1222
Issue Date	May 5, 2015
Supersedes Date	June 20, 2011

Safety Data Sheet prepared in accordance with OSHA's Hazard Communication Standard (29 CFR 1910.1200) and the Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

2. HAZARD IDENTIFICATION

Hazard Classification

This product is classified as not hazardous in accordance with the Globally Harmonized System of Classification and Labelling (GHS).

Label Elements

Hazard Symbols
None

Signal Word: None

Hazard Statements

None

Precautionary Statements

Prevention

None

Response

None

Storage

None

Disposal

None

Other Hazards

None



2. HAZARD IDENTIFICATION

Specific Concentration Limits

The values listed below represent the percentages of ingredients of unknown toxicity.

Acute oral toxicity	0%
Acute dermal toxicity	<10%
Acute inhalation toxicity	<10%
Acute aquatic toxicity	<10%

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms:

This product is a mixture.

Component Name	CAS Number	Concentration
Chlorhexidine Gluconate	18472-51-0	0.12%
Sorbitol	50-70-4	5 - 15%
Ethyl Alcohol	64-17-5	5 - 15%

4. FIRST - AID MEASURES

Description of necessary first-aid measures

Eyes

Immediately flood the eye with plenty of water, holding the eye open. Obtain medical attention if soreness or redness persists.

Skin

If irritation develops wash skin thoroughly with soap and water. Obtain medical attention if redness or soreness persists.

Ingestion

Call a poison control center or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Inhalation

Remove person to fresh air. Seek medical attention if symptoms persist.

Most important symptoms/effects, acute and delayed

Aside from the information found under Description of necessary first aid measures (above) and Indication of immediate medical attention and special treatment needed, no additional symptoms and effects are anticipated.

Indication of immediate medical attention and special treatment needed

Notes to Physicians

Treat symptomatically.

5. FIRE - FIGHTING MEASURES

Extinguishing Media

Use extinguishing media appropriate for surrounding materials.



5. FIRE - FIGHTING MEASURES

Unusual Fire and Explosion Hazards

Can release hazardous vapors during a fire.

Protective Equipment for Fire-Fighting

Wear full protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Wear appropriate protective clothing.

Environmental Precautions

Prevent the material from entering drains or watercourses.

Methods and materials for containment and cleaning up

Wipe up and transfer into suitable containers for recovery or disposal. Prevent the material from entering drains or watercourses.

7. HANDLING AND STORAGE

Precautions for safe handling

Wear appropriate protective clothing.

Conditions for safe storage

Store in original container at room temperature. Store away from children and pets.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure limits are listed below, if they exist.

Ethyl Alcohol

ACGIH: 1000 ppm 15-min STEL

OSHA: PEL 1000ppm (1900 mg/m³) 8h TWA

Appropriate engineering controls

No specific measures necessary. Good general room ventilation is expected to be adequate to control airborne levels.

Individual protection measures

Respiratory Protection

Not required under normal conditions of use.

Skin Protection

Gloves

Eye/Face Protection

Not required under normal conditions of use.

Body Protection

Normal work wear.



9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

	Physical State	Liquid
	Color	Clear to blue
Odor		No data available
Odor Threshold		No data available
pH		No data available
Density		No data available
Boiling Range/Point (°C/F)		No data available
Melting Point (°C/F)		No data available
Flash Point (PMCC) (°C/F)		Not flammable
Vapor Pressure		No data available
Evaporation Rate (BuAc=1)		No data available
Solubility in Water		No data available
Vapor Density (Air = 1)		No data available
VOC		No data available
Partition coefficient (n-octanol/water)		Not applicable
Viscosity		Not applicable
Auto-ignition Temperature		No data available
Decomposition Temperature		No data available
Upper explosive limit		No data available
Lower explosive limit		No data available
Flammability (solid, gas)		No data available

10. STABILITY AND REACTIVITY

Reactivity

Data is not available

Chemical Stability

Stable under normal conditions.

Possibility of hazardous reactions

Hazardous polymerization will not occur.

Conditions to Avoid

Heat - high temperatures

Incompatible Materials

Strong oxidizers

Hazardous Decomposition Products

Oxide of carbon



11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Chlorhexidine Gluconate

Oral LD50 (rat, female) 2000 mg/kg (analogous compound)

Dermal LD50 (rabbit) >5000mg/kg

Ethyl Alcohol

Oral LD50 (rat) 7060 mg/kg

Inhalation LC50 (rat) 117 mg/l

Sorbitol

Oral LD50 (rat) 15,900 mg/kg

Specific Target Organ Toxicity (STOT) – single exposure

Sorbitol: Reports of adverse reactions to sorbitol are largely due to its action as an osmotic laxative when ingested orally, which may be exploited therapeutically. Ingestion of large quantities of sorbitol (> 20g/day in adults) should therefore be avoided.

Specific Target Organ Toxicity (STOT) – repeat exposure

Available data indicates this product is not expected to cause target organ effects after repeated exposure.

Serious Eye damage/Irritation

Ethyl Alcohol: Causes severe eye irritation (≥ 50% solution).

Chlorhexidine Gluconate: Irritating to the eye. (analogous compound)

Skin Corrosion/Irritation

Available data indicates this product is not expected to cause skin irritation.

Respiratory or Skin Sensitization

Available data indicates this product is not expected to cause skin sensitization.

Carcinogenicity

Not considered carcinogenic by NTP, IARC, and OSHA.

Germ Cell Mutagenicity

Available data indicates this product is not expected to be mutagenic.

Reproductive Toxicity

Available data indicates this product is not expected to cause reproductive toxicity or birth defects.

Aspiration Hazard

Not an aspiration hazard.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chlorhexidine Gluconate

LC50 Oncorhynchus Mykiss (Rainbow trout, Donaldson trout) 1.9 ppm/96 hr (analogous compound)

LC50 Lepomis macrochirus (Bluegill sunfish) 0.6 ppm/96 hr (analogous compound)

Mobility in soil

No relevant studies identified.



12. ECOLOGICAL INFORMATION

Persistence/Degradability

No relevant studies identified.

Bioaccumulative Potential

No relevant studies identified.

Other adverse effects

No relevant studies identified.

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of in accordance with all applicable local and national regulations.

14. TRANSPORT INFORMATION

Contact supplier for transport information.

15. REGULATORY INFORMATION

United States TSCA Inventory

This product contains ingredients that have not been verified for listing on the EPA Toxic Substance Control Act Chemical Substance (TSCA) Inventory.

Canada DSL Inventory

This product contains ingredients that have not been verified for listing on the Domestic Substance List (DSL).

California Proposition 65

This product contains the following materials which the State of California has found to cause cancer, birth defects or other reproductive harm: None

SARA Title III Sect. 311/312 Categorization

Immediate (acute)

SARA Title III Sect. 313

This product contains a chemical that is listed in Section 313 at or above de minimis concentrations. The following listed chemicals are present: None

16. OTHER INFORMATION

Legend

ACGIH: American Conference of Governmental Industrial Hygienists

BOD: Biological Oxygen Demand

CAS#: Chemical Abstracts Service Number

FIFRA: Federal Insecticide, Fungicide and Rodenticide Act

IARC: International Agency for Research on Cancer

LC50: Lethal Concentration 50%

LD50: Lethal Dose 50%



16. OTHER INFORMATION

Legend

N/A: Denotes no applicable information found or available
NTP: National Toxicology Program
OSHA: Occupational Safety and Health Administration
PEL: Permissible Exposure Limit
STEL: Short Term Exposure Limit
TLV: Threshold Limit Value
TSCA: Toxic Substance Control Act

Revision Date: May 5, 2015
Replaces: June 20, 2011
Changes made: Update to GHS.

Information Source and References

This SDS is prepared by Hazard Communication Specialists based on information provided by internal company references.

Prepared By: EnviroNet LLC.

C.E.T. is a registered trademark of Virbac Corporation.

The information and recommendations presented in this SDS are based on sources believed to be accurate. Virbac AH, Inc. assumes no liability for the accuracy or completeness of this information. It is the user's responsibility to determine the suitability of the material for their particular purposes. In particular, we make NO WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, with respect to such information, and we assume no liability resulting from its use. Users should ensure that any use or disposal of the material is in accordance with applicable Federal, State, and local laws and regulations.



SAFETY DATA SHEET

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1. IDENTIFICATION

Product Name	C. E. T.® 0.12% Chlorhexidine Rinse
Recommended use of the chemical and restrictions on use	
Identified uses	Oral hygiene rinse for cats and dogs
Restrictions on Use	For veterinary use only
Company Identification	Virbac AH, Inc. P.O. Box 162059 Fort Worth, Texas 76161
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Safety Data Sheet prepared in accordance with OSHA's Hazard Communication Standard (29 CFR 1910.1200) and the Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

2. HAZARD IDENTIFICATION

Hazard Classification

This product is classified as not hazardous in accordance with the Globally Harmonized System of Classification and Labelling (GHS).

Label Elements

Hazard Symbols
None

Signal Word: None

Hazard Statements

None

Precautionary Statements

Prevention

None

Response

None

Storage

None

Disposal

None

Other Hazards

None



2. HAZARD IDENTIFICATION

Specific Concentration Limits

The values listed below represent the percentages of ingredients of unknown toxicity.

Acute oral toxicity	0%
Acute dermal toxicity	<10%
Acute inhalation toxicity	<10%
Acute aquatic toxicity	<10%

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms:

This product is a mixture.

Component Name	CAS Number	Concentration
Chlorhexidine Gluconate	18472-51-0	0.12%
Sorbitol	50-70-4	5 - 15%
Ethyl Alcohol	64-17-5	5 - 15%

4. FIRST - AID MEASURES

Description of necessary first-aid measures

Eyes

Immediately flood the eye with plenty of water, holding the eye open. Obtain medical attention if soreness or redness persists.

Skin

If irritation develops wash skin thoroughly with soap and water. Obtain medical attention if redness or soreness persists.

Ingestion

Call a poison control center or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Inhalation

Remove person to fresh air. Seek medical attention if symptoms persist.

Most important symptoms/effects, acute and delayed

Aside from the information found under Description of necessary first aid measures (above) and Indication of immediate medical attention and special treatment needed, no additional symptoms and effects are anticipated.

Indication of immediate medical attention and special treatment needed

Notes to Physicians

Treat symptomatically.

5. FIRE - FIGHTING MEASURES

Extinguishing Media

Use extinguishing media appropriate for surrounding materials.



5. FIRE - FIGHTING MEASURES

Unusual Fire and Explosion Hazards

Can release hazardous vapors during a fire.

Protective Equipment for Fire-Fighting

Wear full protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Wear appropriate protective clothing.

Environmental Precautions

Prevent the material from entering drains or watercourses.

Methods and materials for containment and cleaning up

Wipe up and transfer into suitable containers for recovery or disposal. Prevent the material from entering drains or watercourses.

7. HANDLING AND STORAGE

Precautions for safe handling

Wear appropriate protective clothing.

Conditions for safe storage

Store in original container at room temperature. Store away from children and pets.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure limits are listed below, if they exist.

Ethyl Alcohol

ACGIH: 1000 ppm 15-min STEL

OSHA: PEL 1000ppm (1900 mg/m³) 8h TWA

Appropriate engineering controls

No specific measures necessary. Good general room ventilation is expected to be adequate to control airborne levels.

Individual protection measures

Respiratory Protection

Not required under normal conditions of use.

Skin Protection

Gloves

Eye/Face Protection

Not required under normal conditions of use.

Body Protection

Normal work wear.



9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

	Physical State	Liquid
	Color	Clear to blue
Odor		No data available
Odor Threshold		No data available
pH		No data available
Density		No data available
Boiling Range/Point (°C/F)		No data available
Melting Point (°C/F)		No data available
Flash Point (PMCC) (°C/F)		Not flammable
Vapor Pressure		No data available
Evaporation Rate (BuAc=1)		No data available
Solubility in Water		No data available
Vapor Density (Air = 1)		No data available
VOC		No data available
Partition coefficient (n-octanol/water)		Not applicable
Viscosity		Not applicable
Auto-ignition Temperature		No data available
Decomposition Temperature		No data available
Upper explosive limit		No data available
Lower explosive limit		No data available
Flammability (solid, gas)		No data available

10. STABILITY AND REACTIVITY

Reactivity

Data is not available

Chemical Stability

Stable under normal conditions.

Possibility of hazardous reactions

Hazardous polymerization will not occur.

Conditions to Avoid

Heat - high temperatures

Incompatible Materials

Strong oxidizers

Hazardous Decomposition Products

Oxide of carbon



11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Chlorhexidine Gluconate

Oral LD50 (rat, female) 2000 mg/kg (analogous compound)

Dermal LD50 (rabbit) >5000mg/kg

Ethyl Alcohol

Oral LD50 (rat) 7060 mg/kg

Inhalation LC50 (rat) 117 mg/l

Sorbitol

Oral LD50 (rat) 15,900 mg/kg

Specific Target Organ Toxicity (STOT) – single exposure

Sorbitol: Reports of adverse reactions to sorbitol are largely due to its action as an osmotic laxative when ingested orally, which may be exploited therapeutically. Ingestion of large quantities of sorbitol (> 20g/day in adults) should therefore be avoided.

Specific Target Organ Toxicity (STOT) – repeat exposure

Available data indicates this product is not expected to cause target organ effects after repeated exposure.

Serious Eye damage/Irritation

Ethyl Alcohol: Causes severe eye irritation (≥ 50% solution).

Chlorhexidine Gluconate: Irritating to the eye. (analogous compound)

Skin Corrosion/Irritation

Available data indicates this product is not expected to cause skin irritation.

Respiratory or Skin Sensitization

Available data indicates this product is not expected to cause skin sensitization.

Carcinogenicity

Not considered carcinogenic by NTP, IARC, and OSHA.

Germ Cell Mutagenicity

Available data indicates this product is not expected to be mutagenic.

Reproductive Toxicity

Available data indicates this product is not expected to cause reproductive toxicity or birth defects.

Aspiration Hazard

Not an aspiration hazard.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chlorhexidine Gluconate

LC50 Oncorhynchus Mykiss (Rainbow trout, Donaldson trout) 1.9 ppm/96 hr (analogous compound)

LC50 Lepomis macrochirus (Bluegill sunfish) 0.6 ppm/96 hr (analogous compound)

Mobility in soil

No relevant studies identified.



12. ECOLOGICAL INFORMATION

Persistence/Degradability

No relevant studies identified.

Bioaccumulative Potential

No relevant studies identified.

Other adverse effects

No relevant studies identified.

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of in accordance with all applicable local and national regulations.

14. TRANSPORT INFORMATION

Contact supplier for transport information.

15. REGULATORY INFORMATION

United States TSCA Inventory

This product contains ingredients that have not been verified for listing on the EPA Toxic Substance Control Act Chemical Substance (TSCA) Inventory.

Canada DSL Inventory

This product contains ingredients that have not been verified for listing on the Domestic Substance List (DSL).

California Proposition 65

This product contains the following materials which the State of California has found to cause cancer, birth defects or other reproductive harm: None

SARA Title III Sect. 311/312 Categorization

Immediate (acute)

SARA Title III Sect. 313

This product contains a chemical that is listed in Section 313 at or above de minimis concentrations. The following listed chemicals are present: None

16. OTHER INFORMATION

Legend

ACGIH: American Conference of Governmental Industrial Hygienists

BOD: Biological Oxygen Demand

CAS#: Chemical Abstracts Service Number

FIFRA: Federal Insecticide, Fungicide and Rodenticide Act

IARC: International Agency for Research on Cancer

LC50: Lethal Concentration 50%

LD50: Lethal Dose 50%



16. OTHER INFORMATION

Legend

N/A: Denotes no applicable information found or available
NTP: National Toxicology Program
OSHA: Occupational Safety and Health Administration
PEL: Permissible Exposure Limit
STEL: Short Term Exposure Limit
TLV: Threshold Limit Value
TSCA: Toxic Substance Control Act

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Information Source and References

This SDS is prepared by Hazard Communication Specialists based on information provided by internal company references.

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