

# SAFETY DATA SHEET



## ChlorhexiDerm 4% Shampoo

Version 2.1      Revision Date: 03/29/2019      SDS Number: 122000009932      Date of last issue: 03/25/2019  
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### SECTION 1. IDENTIFICATION

#### Product information

**Product Name:** ChlorhexiDerm 4% Shampoo  
**SDS Number:** 122000009932

**Use** : Product care for animals

#### Company

Bayer HealthCare, LLC  
Animal Health Division  
12707 Shawnee Mission Parkway  
(West 63rd)  
Shawnee, KS 66216-1846  
UNITED STATES OF AMERICA  
(800) 633-3796

**In case of emergency:** (800) 422-9874  
Chemtrec: (800) 424-9300  
BAYER INFORMATION PHONE:(800) 633-3796  
INTERNATIONAL:(703) 527-3887

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### SECTION 2. HAZARDS IDENTIFICATION

#### GHS classification in accordance with 29 CFR 1910.1200

Serious eye damage : Category 1

#### GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H318 Causes serious eye damage.

Precautionary statements : **Prevention:**  
P280 Wear eye protection/ face protection.

**Response:**  
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

#### Other hazards

None known.

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### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

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Substance / Mixture : Mixture

### Components

Chemical name	CAS-No.	Concentration (% w/w)
Cocamidopropyl Betaine	61789-40-0	12.5
Lauramide DEA	120-40-1	5
Chlorhexidine Digluconate	18472-51-0	4.452

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### SECTION 4. FIRST AID MEASURES

General advice : No hazards which require special first aid measures.

If inhaled : Not an expected entry route.

In case of skin contact : If skin reactions occur, contact a physician.

In case of eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

If swallowed : In case of accidental ingestion, contact your regional poison center or physician immediately.

Most important symptoms and effects, both acute and delayed : No information available.

Protection of first-aiders : No special precautions are necessary for first aid responders.

Notes to physician : No information available.

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### SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media : High volume water jet

Specific hazards during fire-fighting : Fire may cause evolution of:  
Carbon monoxide (CO)  
Carbon dioxide (CO<sub>2</sub>)

Further information : Prevent fire extinguishing water from contaminating surface water or the ground water system.

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

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### SECTION 6. ACCIDENTAL RELEASE MEASURES

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Personal precautions, protective equipment and emergency procedures : Avoid formation of aerosol.

Methods and materials for containment and cleaning up : Cover spilled product with liquid-binding material (sand, silica gel, acid binder, universal binder, hybilat). Take up mechanically and fill into labeled, closable containers.

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### SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : No special protective measures against fire required.

Advice on safe handling : Avoid formation of aerosol.

Conditions for safe storage : Store at temperatures and conditions as indicated on the product label.

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### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

#### Personal protective equipment

Respiratory protection : Recommended Filter type:  
Organic vapor with prefilter  
  
None required for consumer use of this product.

Hand protection  
Material : Chemically resistant gloves.

Remarks : None required for consumer use of this product.

Eye protection : Safety glasses  
None required for consumer use of this product.

Protective measures : Wear suitable protective equipment.  
Please consult label for end-user requirements.

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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Explosive properties : No data available

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Oxidizing properties : No data available

Impact sensitivity : No data available

Minimum ignition energy : No data available

### SECTION 10. STABILITY AND REACTIVITY

Reactivity : No data available

Chemical stability : No data available

Possibility of hazardous reactions : No data available

Conditions to avoid : No data available

Incompatible materials : Oxidizing agents

Hazardous decomposition products : Carbon monoxide (CO)  
Carbon dioxide (CO<sub>2</sub>)

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

##### Product:

Acute oral toxicity : Acute toxicity estimate (ATE): > 5,000 mg/kg  
Method: Calculation method

##### Components:

##### **Cocamidopropyl Betaine:**

Acute oral toxicity : LD50 (Rat): 4,900 mg/kg  
Assessment: The component/mixture is minimally toxic after single ingestion.

##### **Lauramide DEA:**

Acute oral toxicity : LD50 (Rat): 2,700 mg/kg  
Assessment: The component/mixture is minimally toxic after single ingestion.

##### **Chlorhexidine Digluconate:**

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg  
Method: OECD 401

Acute dermal toxicity : (Rabbit): > 5,000 mg/kg  
Method: US-EPA

Acute toxicity (other routes of : LD50 (Rat): 3,320 mg/kg

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administration)      Application Route: Subcutaneous  
  
LD50 (Rat): 24.2 mg/kg  
Application Route: intravenous

### Skin corrosion/irritation

#### Components:

##### **Cocamidopropyl Betaine:**

Species : Rabbit  
Method : OECD 404  
Result : No skin irritation  
Remarks : Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in desiccation of the skin.

##### **Lauramide DEA:**

Result : Skin irritation

##### **Chlorhexidine Digluconate:**

Species : Rabbit  
Exposure time : 4 h  
Assessment : No skin irritation  
Method : OECD 404  
Result : Mild skin irritation  
GLP : yes

Species : Human experience  
Result : Mild skin irritation

### Serious eye damage/eye irritation

#### Components:

##### **Cocamidopropyl Betaine:**

Species : Rabbit  
Result : Risk of serious damage to eyes.  
Method : OECD 405

##### **Lauramide DEA:**

Result : Eye irritation

##### **Chlorhexidine Digluconate:**

Species : Rabbit  
Result : Risk of serious damage to eyes.  
Method : OECD 405  
GLP : no  
Test substance : 20% solution



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**Respiratory or skin sensitisation**

**Components:**

**Cocamidopropyl Betaine:**

Species : Guinea pig  
Method : OECD 406  
Result : Does not cause skin sensitisation.

**Chlorhexidine Digluconate:**

Test Type : Skin sensitisation  
Species : Guinea pig  
Method : Buehler Test  
Result : ambiguous  
GLP : no

Test Type : Skin sensitisation  
Species : Guinea pig  
Method : OECD 406  
Result : Does not cause skin sensitisation.

**Germ cell mutagenicity**

**Components:**

**Cocamidopropyl Betaine:**

Genotoxicity in vitro : Test Type: Ames test  
Test system: Salmonella typhimurium  
Result: No indication of mutagenic effects.  
GLP: yes

Genotoxicity in vivo : Test Type: Micronucleus test  
Species: Mouse  
Cell type: Bone marrow  
Result: No indication of mutagenic effects.

**Chlorhexidine Digluconate:**

Genotoxicity in vitro : Test Type: Ames test  
Test system: Salmonella typhimurium  
Metabolic activation: with and without metabolic activation  
Method: OECD 471  
Result: negative  
GLP: yes  
Test substance: 20% solution

Test Type: V79-HPRT Forward Mutation Assay  
Test system: Hamster V79-cells  
Metabolic activation: with and without metabolic activation  
Method: OECD 476  
Result: negative  
GLP: yes  
Test substance: 20% solution

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Test Type: Chromosome aberration test in vitro  
Test system: Hamster ovary-cells  
Metabolic activation: with and without metabolic activation  
Method: OECD 473  
Result: negative

Genotoxicity in vivo : Test Type: Micronucleus test  
Species: Mouse (male)  
Cell type: bone-marrow erythroblasts  
Application Route: Intraperitoneal  
Method: OECD 474  
Result: negative

### Carcinogenicity

#### Components:

##### **Chlorhexidine Digluconate:**

Species : Rat  
Exposure time : 730 days  
Method : OECD 408  
Result : Animal testing did not show any carcinogenic effects.  
Test substance : 20% solution

**IARC** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

### Repeated dose toxicity

#### Components:

##### **Cocamidopropyl Betaine:**

Species : Rat, male and female  
NOAEL : 300 mg/kg  
Application Route : Oral  
Exposure time : 90-day  
Method : OECD 408

##### **Chlorhexidine Digluconate:**

Species : Rat, male and female  
LOAEL : 8.88 mg/kg  
Application Route : Oral  
Exposure time : 24 month  
Method : OECD 452  
Symptoms : diminished body weight

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**Further information****Components:****Chlorhexidine Digluconate:**

Pharmaceutic effects

Remarks : Antiseptic

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**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Components:****Cocamidopropyl Betaine:**

- Toxicity to fish : LC50 (Danio rerio (zebra fish)): 2 mg/l  
Exposure time: 96 h  
Test Type: semi-static test  
Method: ISO 7346/1
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 6.5 mg/l  
Exposure time: 48 h  
Test Type: Immobilization  
Method: OECD 202  
GLP: yes
- Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): 4.9 mg/l  
Exposure time: 72 h  
Test Type: Growth inhibition  
Method: OECD 201  
GLP: yes
- Toxicity to microorganisms : EC0 (Pseudomonas putida): > 10,000 mg/l  
Exposure time: 30 min  
Test Type: Respiration inhibition  
Method: DIN 38412  
GLP: no

**Chlorhexidine Digluconate:**

- Toxicity to fish : LC50 (Danio rerio (zebra fish)): 2.08 mg/l  
Exposure time: 96 h  
Test Type: semi-static test  
Test substance: 20% solution  
Method: OECD 203  
GLP: yes
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.087 mg/l  
Exposure time: 48 h  
Test Type: Immobilization  
Analytical monitoring: yes  
Test substance: 20% solution  
Method: OECD 202



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GLP: yes

Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): 0.081 mg/l  
Exposure time: 72 h  
Test Type: Growth rate  
Analytical monitoring: yes  
Test substance: 20% solution  
Method: OECD 201  
GLP: yes

NOEC (Desmodesmus subspicatus (green algae)): 0.0075 mg/l  
Exposure time: 72 h  
Test Type: Biomass  
Analytical monitoring: yes  
Test substance: 20% solution  
Method: OECD 201  
GLP: yes

EC50 (Desmodesmus subspicatus (green algae)): 0.038 mg/l  
Exposure time: 72 h  
Test Type: Biomass  
Analytical monitoring: yes  
Test substance: 20% solution  
Method: OECD 201  
GLP: yes

M-Factor (Acute aquatic toxicity) : 10

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 0.0206 mg/l  
Exposure time: 21 d  
Test Type: semi-static test  
Analytical monitoring: yes  
Method: OECD 211  
GLP: yes

M-Factor (Chronic aquatic toxicity) : 1

Toxicity to microorganisms : EC50 (activated sludge micro-organism): 25 mg/l  
Exposure time: 3 h  
Test Type: Respiration inhibition  
Analytical monitoring: no  
Test substance: 20% solution  
Method: OECD 209  
GLP: yes

EC0 (Pseudomonas putida): 3 mg/l  
Test Type: Cell multiplication inhibition test  
Test substance: 20% solution  
Method: DIN 38412

Toxicity to soil dwelling or- : LC50 (Eisenia fetida (earthworms)): from 1,000 mg/kg



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Temperature: 77 °F / 25 °C  
Concentration: 0.050 mg/l  
Remarks: Low potential for bioaccumulation

Partition coefficient: n-octanol/water : log Pow: -1.81 (69.3 °F / 20.7 °C)  
pH: 5.3 - 6.6  
Method: OECD 107  
GLP: yes

### Mobility in soil

No data available

### Other adverse effects

### Product:

### Components:

### **Chlorhexidine Digluconate:**

Results of PBT and vPvB assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

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## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic.

However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

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## SECTION 14. TRANSPORT INFORMATION

### US Land transport (CFR) non-regulated

### Sea transport (IMDG)

UN Number	3082
Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CETRIMONIUM CHLORIDE)
Class	9
Packaging group	III
IMDG-Labels	9
EmS Number	F-A
Marine pollutant	yes

### Air transport (IATA)

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**UN Number** 3082  
**Description of the goods** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CETRIMONIUM CHLORIDE)  
**Class** 9  
**Packaging group** III  
**Dangerous goods labels** 9  
**Environmentally hazardous** yes

### SECTION 15. REGULATORY INFORMATION

#### EPCRA - Emergency Planning and Community Right-to-Know Act

##### CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Sodium hydroxide	1310-73-2	1000	*

\*: Calculated RQ exceeds reasonably attainable upper limit.

##### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

##### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards** : Serious eye damage or eye irritation

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

#### Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489):

Lauramide DEA      120-40-1      5 %

#### Clean Water Act

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

Acetic acid      64-19-7      0.182 %  
Sodium hydroxide      1310-73-2      0.182 %

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

Acetic acid      64-19-7      0.182 %  
Sodium hydroxide      1310-73-2      0.182 %

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

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### US State Regulations

#### Massachusetts Right To Know

No components are subject to the Massachusetts Right to Know Act.

#### Pennsylvania Right To Know

Acetic acid	64-19-7
Sodium hydroxide	1310-73-2

#### Maine Chemicals of High Concern

Product does not contain any listed chemicals

#### Vermont Chemicals of High Concern

Product does not contain any listed chemicals

#### Washington Chemicals of High Concern

Product does not contain any listed chemicals

#### New York City Hazardous Substances

Acetic acid	64-19-7
Sodium hydroxide	1310-73-2
Magnesium nitrate	10377-60-3

#### The components of this product are reported in the following inventories:

TSCA : Substance(s) not listed on TSCA inventory

#### TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

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## SECTION 16. OTHER INFORMATION

### Further information

#### NFPA 704:

Health - 3	Flammability - 1	Instability - 0	Others -
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#### HMIS® IV:

Health - 3	Flammability - 1	Instability - 0	Others -
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### Full text of other abbreviations

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific

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material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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