



# SAFETY DATA SHEET

## Malaseb Shampoo

122000009847

Version 1.0

Revision Date 10/14/2014

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### Product information MALASEB SHAMPOO 8OZ

**Product Name:** Malaseb Shampoo

**MSDS Number:** 122000009847

**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

### 2. HAZARDS IDENTIFICATION

#### Emergency Overview

**Form:** liquid

#### GHS Classification:

**Serious eye damage** : Category 1

#### GHS Label element:

**Hazard pictograms** :



**Signal word** : Danger

**Hazard statements** : H318 Causes serious eye damage.

**Precautionary statements** : **Prevention:**

**Malaseb Shampoo**

Version 1.0

Revision Date 10/14/2014

---

P273 Avoid release to the environment.

P280 Wear protective gloves/ eye protection/ face protection.

**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.

P310 Immediately call a POISON CENTER or doctor/ physician.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards which do not result in classification:**None known.

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**3. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Weight percent</b>	<b>Components</b>	<b>CAS-No.</b>
5 - 10%	Laureth-3 to Laureth-13	9002-92-0
2.2%	Chlorhexidine Digluconate	18472-51-0

<b>Other Ingredients</b>		<b>CAS-No.</b>
<b>Weight percent</b>	<b>Components</b>	
1.9%	Miconazole	22916-47-8

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**4. FIRST AID MEASURES****General advice:** Take off all contaminated clothing immediately.**If inhaled:** Remove to fresh air. Call a physician immediately.**In case of skin contact:** After contact with skin, wash immediately with plenty of soap and water. 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:** If swallowed, seek medical advice immediately and show this container or label.**Contact Number:** Use the Bayer Emergency Number in Section 1

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**Malaseb Shampoo**

Version 1.0

Revision Date 10/14/2014

---

**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 firefighting:** Fire may cause evolution of: Carbon monoxide (CO)  
Carbon dioxide (CO<sub>2</sub>)

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

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

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**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:** Use personal protective equipment.

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

**Additional advice:** No special precautions required.

**Further Accidental Release Notes**      No special precautions required.

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**7. HANDLING AND STORAGE****Handling:**

Avoid formation of aerosol. Only handle product with local exhaust ventilation. Avoid contact with skin, eyes and clothing.

No special protective measures against fire required.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Laureth-3 to Laureth-13 (9002-92-0)****Cetrimonium Chloride (112-02-7)****Respiratory protection:**

Recommended Filter type: Organic vapor with prefilter

**Malaseb Shampoo**

Version 1.0

Revision Date 10/14/2014

---

**Hand protection:**

Chemically resistant gloves.

**Eye protection:**

Safety glasses

**Other protective measures:**

Wear suitable protective equipment.

Please consult label for end-user requirements.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

Form:	liquid
Colour:	No applicable information is available
Odour:	No applicable information is available
Odour Threshold:	No applicable information is available
Melting point:	No applicable information is available
Boiling point/boiling range:	No applicable information is available
Density:	No applicable information is available
Bulk density:	No applicable information is available
Vapour pressure:	No applicable information is available
Viscosity, dynamic:	No applicable information is available
Viscosity, kinematic:	No applicable information is available
Flow time:	No applicable information is available
Surface tension:	No applicable information is available
Miscibility with water:	No applicable information is available
Water solubility:	No applicable information is available
pH:	No applicable information is available
Relative density:	No applicable information is available
Partition coefficient:	No applicable information is available
Solubility(ies):	No applicable information is available
Flash point:	No applicable information is available
Flammability (solid, gas):	No applicable information is available
Ignition temperature:	No applicable information is available
Explosion limits:	No applicable information is available

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**10. STABILITY AND REACTIVITY****Conditions to avoid:** no data available**Materials to avoid:** Oxidizing agents**Hazardous reactions:** no data available

**Malaseb Shampoo**

Version 1.0

Revision Date 10/14/2014

---

**Thermal decomposition:**

no data available

**Hazardous decomposition products:**Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>)**Oxidizing properties:**

No statements available.

**Impact Sensitivity:**no data available

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**11. TOXICOLOGICAL INFORMATION****Acute oral toxicity:**

Laureth-3 to Laureth-13

LD50 rat: 9,060 mg/kg

LD50 mouse: 1,170 mg/kg

LD50 guinea pig: 384 mg/kg

LD50 rat: 1,000 mg/kg

Chlorhexidine Digluconate

LD50 rat, female/male: &gt; 2,000 mg/kg

Method: OECD Test Guideline 401

**Acute inhalation toxicity:**

Chlorhexidine Digluconate

TCL0 rat: 120 ppm, 4 h

**Acute dermal toxicity:**

Chlorhexidine Digluconate

rabbit: &gt; 5,000 mg/kg

The substance or mixture has no acute dermal toxicity

Method: US-EPA

**Acute toxicity (other routes of administration):**

Laureth-3 to Laureth-13

LD50 intraperitoneal rat: 125 mg/kg

LD50 subcutaneous rat: 953 mg/kg

LD50 intravenous rat: 27 mg/kg

Chlorhexidine Digluconate

LD50 subcutaneous rat: 3,320 mg/kg

LD50 intravenous rat: 24.2 mg/kg

**Malaseb Shampoo**

Version 1.0

Revision Date 10/14/2014

---

**Skin irritation:**

Laureth-3 to Laureth-13

Human experience

Result: Moderate skin irritation

Method: Draize Test

rabbit

Result: Mild skin irritation

Method: Draize Test

Human experience

Result: No skin irritation

Method: Patch Test 24 Hrs.

Chlorhexidine Digluconate

rabbit

Classification: No skin irritation

Result: Mild skin irritation

Method: OECD Test Guideline 404

Human experience

Result: Mild skin irritation

**Eye irritation:**

Laureth-3 to Laureth-13

rabbit

Result: Severe eye irritation

Method: Draize Test

Chlorhexidine Digluconate

rabbit

Result: Causes serious eye damage.

Method: OECD Test Guideline 405

Test substance: 20% solution

**Sensitisation:**

Laureth-3 to Laureth-13

Skin Human experience

Result: Does not cause skin sensitization.

Chlorhexidine Digluconate

Skin sensitization guinea pig

Result: ambiguous

Method: Buehler Test

Skin sensitization guinea pig

Result: Does not cause skin sensitization.

Method: OECD Test Guideline 406

**Subacute, subchronic and prolonged toxicity:**

Chlorhexidine Digluconate

, Lowest observable effect level 8.88 mg/kg , rat male and female Oral, Exposure time 24 month

Method: OECD TG 452

**Malaseb Shampoo**

Version 1.0

Revision Date 10/14/2014

---

NOEL 400 mg/kg, Monkey male and female Dermal, Exposure time 13 Weeks  
Number of exposures: once daily

**Genotoxicity in vitro:**

Chlorhexidine Digluconate  
Ames test Salmonella typhimurium  
Dose: with or without metabolic activation  
Result: negative  
Method: OECD TG 471  
Test substance: 20% solution

V79-HPRT Forward Mutation Assay Hamster V79-cells  
Dose: with or without metabolic activation  
Result: negative  
Method: OECD TG 476  
Test substance: 20% solution

Chromosome aberration test in vitro Hamster ovary-cells  
Dose: with or without metabolic activation  
Result: negative  
Method: OECD TG 473

**Genotoxicity in vivo:**

Chlorhexidine Digluconate  
Micronucleus test, mouse, male, bone-marrow erythroblasts, Intraperitoneal  
Result: negative  
Method: OECD TG 474

**Carcinogenicity:**

Chlorhexidine Digluconate  
rat:  
Exposure time: 2 a  
Test substance: 20% solution  
Method: OECD TG 408  
Result: Animal testing did not show any carcinogenic effects.

LOAEL rat:

5 mg  
Exposure time: 2 a  
Test substance: 20% solution  
Method: OECD Test Guideline 451  
Result: Animal testing did not show any carcinogenic effects.

**Teratogenicity:**

Chlorhexidine Digluconate  
Application Route: Oral  
rat: Exposure time: 13 d  
Number of exposures: once daily  
NOAEL: 30 mg/kg  
Test substance: 20% solution  
Result: Did not show teratogenic effects in animal experiments.  
Method: OECD TG 414

**Pharmaceutic effects:**

**Malaseb Shampoo**

Version 1.0

Revision Date 10/14/2014

---

Chlorhexidine Digluconate  
Antiseptic

**Carcinogenicity:**

No Carcinogenic substances as defined by IARC, NTP and/or OSHA

**Experience with human exposure:****Components:****18472-51-0 :**

The product causes irritation of eyes, skin and mucous membranes., Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

**STOT - single exposure:**

no data available

**STOT - repeated exposure:**

no data available

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**12. ECOLOGICAL INFORMATION****General advice:**

Do not allow to enter surface waters or groundwater.

**Toxicity to fish:**

Laureth-3 to Laureth-13

semi-static test: LC50 3.3 mg/l

Test species: Oncorhynchus mykiss (rainbow trout) Duration of test: 96 h

Chlorhexidine Digluconate

semi-static test: LC50 2.08 mg/l

Test species: Danio rerio (zebra fish) Test substance: 20% solution Duration of test: 96 h

Method: OECD Test Guideline 203

**Toxicity to daphnia and other aquatic invertebrates:**

Chlorhexidine Digluconate

Immobilization EC50 0.087 mg/l

Test species: Daphnia magna (Water flea) Duration of test: 48 h

Method: OECD Test Guideline 202

Test substance: 20% solution

**Toxicity to algae:**

Chlorhexidine Digluconate

Growth rate EC50 0.081 mg/l

tested on: Desmodesmus subspicatus (green algae) Duration of test: 72 h

Method: OECD Test Guideline 201

Test substance: 20% solution

Biomass NOEC 0.0075 mg/l

tested on: Desmodesmus subspicatus (green algae) Duration of test: 72 h

Method: OECD Test Guideline 201

Test substance: 20% solution



**Malaseb Shampoo**

Version 1.0

Revision Date 10/14/2014

---

Biomass EC50 0.038 mg/l

tested on: Desmodesmus subspicatus (green algae) Duration of test: 72 h

Method: OECD Test Guideline 201

Test substance: 20% solution

**Toxicity to bacteria:**

Laureth-3 to Laureth-13

IC50 100 mg/l

tested on: Pseudomonas putida

Chlorhexidine Digluconate

Respiration inhibition EC50 25 mg/l

tested on: activated sludge micro-organism

Duration of test: 3 h

Method: OECD TG 209

Test substance: 20% solution

Cell multiplication inhibition test EC0 3 mg/l

tested on: Pseudomonas putida

Method: DIN 38412

Test substance: 20% solution

**Toxicity to daphnia and other aquatic invertebrates(Chronic toxicity)**

Chlorhexidine Digluconatesemi-static test:

NOEC 0.02 mg/l

Test species: Daphnia magna (Water flea) Duration of test: 21 d

Method: OECD Test Guideline 211

semi-static test:

LOEC 0.06 mg/l

Test species: Daphnia magna (Water flea) Duration of test: 21 d

Method: OECD Test Guideline 211

semi-static test:

EC50 0.03 mg/l

Test species: Daphnia magna (Water flea) Duration of test: 21 d

Method: OECD Test Guideline 211

**Toxicity on soil-dwelling organisms**

Chlorhexidine DigluconateLC50 from 1,000 mg/kg

Test species: Eisenia fetida (earthworms) Duration of test: 14 d

Method: OECD 207

Test substance: 20% solution

**Biodegradability:**

Chlorhexidine Digluconate

70 %, 10 d rapidly biodegradable

Test substance: 20% solution

Method: Tested according to Directive 92/69/EEC.

**Malaseb Shampoo**

Version 1.0

Revision Date 10/14/2014

---

**Bioaccumulation:**

Chlorhexidine Digluconate

0.050 mg/lLeuciscus idus (Golden orfe)3 d25 °C

## Bioconcentration factor (BCF)

42

Low potential for bioaccumulation

**Photodegradation:**

Chlorhexidine Digluconate

Air

half-life time (direct Photolysis): < 1.3 h

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**13. DISPOSAL CONSIDERATIONS**

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)

Waste disposal should be in accordance with existing federal, state and local environmental control laws.

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**14. TRANSPORT INFORMATION****Land transport (CFR)**

non-regulated

**US Sea transport (IMDG)**

non-regulated

**US Air transport (ICAO / IATA cargo aircraft only)**

non-regulated

**US Air transport (ICAO / IATA passenger and cargo aircraft)**

non-regulated

**International IATA**

IMDG

non-regulated

non-regulated

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**15. REGULATORY INFORMATION**

**Other regulations:** No statements available.

**US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A)**

**Components**

None

**Malaseb Shampoo**

Version 1.0

Revision Date 10/14/2014

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**US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required Components**

None

**US. EPA CERCLA Hazardous Substances (40 CFR 302) Components**

None

**California Prop. 65**

To the best of our knowledge, this product does not contain any of the listed chemicals, which the state of California has found to cause cancer, birth defects or other reproductive harm.

**OSHA Hazcom Standard Rating**      Hazardous

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**16. OTHER INFORMATION****Further information**

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 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.