

SAFETY DATA SHEET

Malaseb Shampoo Malaseb Shampoo

Version 2.0 Revision Date: 03/27/2019 SDS Number: 122000009847 Date of last issue: 10/14/2014
Date of first issue: 10/14/2014

SECTION 1. IDENTIFICATION

Product information

Product Name: Malaseb Shampoo
SDS 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
Chemtec: (800) 424-9300
BAYER INFORMATION PHONE:(800) 633-3796
INTERNATIONAL:(703) 527-3887

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with 29 CFR 1910.1200

Acute toxicity (Oral) : Category 4

Skin corrosion : Category 1

Serious eye damage : Category 1

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.

Precautionary statements : **Prevention:**
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/ protective clothing/ eye protection/
face protection.

Response:
P301 + P312 + P330 IF SWALLOWED: Call a POISON

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CENTER/doctor if you feel unwell. Rinse mouth.
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P533 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
Decyl Glucoside	141464-42-8	15.4
Laureth-2 to Laureth-40	9002-92-0	8
Chlorhexidine Digluconate	18472-51-0	2.2
PEG-120 Methyl Glucose Dioleate	86893-19-8	2.1

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 : 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 : 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.

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

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Specific hazards during fire-fighting : Fire may cause evolution of:
Carbon monoxide (CO)
Carbon dioxide (CO₂)

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.

SECTION 6. ACCIDENTAL RELEASE MEASURES

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.

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.

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.

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Please consult label for end-user requirements.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Explosive properties : No data available

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 (CO₂)

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute oral toxicity : Acute toxicity estimate (ATE): 1,237 mg/kg
Method: Calculation method

Components:

Decyl Glucoside:

Acute oral toxicity : LD50: > 2,000 mg/kg
Assessment: No adverse effect has been observed in acute toxicity tests.
Remarks: argument by analogy

Laureth-2 to Laureth-40:

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Acute oral toxicity : LD50 (Rat, female): 1,000 mg/kg
Assessment: The component/mixture is 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 administration) : LD50 (Rat): 3,320 mg/kg
Application Route: Subcutaneous

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

Skin corrosion/irritation

Components:

Decyl Glucoside:

Method : OECD 404
Result : Causes skin irritation.

Laureth-2 to Laureth-40:

Species : Rabbit
Method : OECD 404
Result : Mild 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:

Decyl Glucoside:

Result : Irritating to eyes.
Method : OECD 405

Laureth-2 to Laureth-40:

Species : Rabbit

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

Chlorhexidine Digluconate:

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

PEG-120 Methyl Glucose Dioleate:

Result : Mild eye irritation

Respiratory or skin sensitisation

Components:

Laureth-2 to Laureth-40:

Test Type : Skin sensitisation
Species : Human experience
Result : Does not cause skin sensitisation.

Test Type : Skin sensitisation
Species : Rabbit
Method : Local lymph node test (LLNA)
Result : Did not cause sensitisation on laboratory animals.

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:

Decyl Glucoside:

Genotoxicity in vitro : Result: No indication of mutagenic effects.
Remarks: argument by analogy

Laureth-2 to Laureth-40:

Genotoxicity in vitro : Test Type: Ames test
Test system: Salmonella typhimurium
Metabolic activation: with and without metabolic activation

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Method: OECD 471

Result: negative

Test Type: Chromosome aberration test in vitro

Test system: Hamster ovary-cells

Metabolic activation: with and without metabolic activation

Result: negative

Genotoxicity in vivo : Test Type: Chromosome aberration test in vivo
Species: Mouse
Result: No evidence of a genotoxic effect.

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

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

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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.

Reproductive toxicity

Components:

Laureth-2 to Laureth-40:

Effects on foetal development : Test Type: Two-generation study
Species: Rat
Application Route: Oral
General Toxicity Maternal: NOAEL: 538
Method: OECD 422

Repeated dose toxicity

Components:

Laureth-2 to Laureth-40:

Species : Rat
LOAEL : 645 mg/kg
Application Route : Oral
Symptoms : diminished body weight

Species : Rabbit
NOAEL : 823.919 mg/kg
Application Route : Dermal
Exposure time : 28-day
Method : Expert judgement

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

Further information

Components:

Chlorhexidine Digluconate:

Pharmaceutic effects
Remarks : Antiseptic

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SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

Decyl Glucoside:

Toxicity to fish : 10 - 100 mg/l
Test Type: semi-static test
Method: ISO 7346/2

Toxicity to microorganisms : EC0: > 100 mg/l
Method: DIN 38412 Part 8

Laureth-2 to Laureth-40:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 3.3 mg/l
Exposure time: 96 h
Test Type: semi-static test

LC50 (Fish): 5.849 mg/l
Exposure time: 96 h
Test Type: static test
Method: Expert judgement

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.1 - 1 mg/l
Exposure time: 48 h

LC50: 9.45 mg/l
Exposure time: 24 h
Test Type: static test
Method: calculated using EcoSar v1.00

Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): 2.06 mg/l
Exposure time: 72 h
Method: OECD 201

M-Factor (Acute aquatic toxicity) : 10

Toxicity to microorganisms : IC50 (Pseudomonas putida): 100 mg/l

IC50 (Tetrahymen pyriformis): 3.122 mg/l
Exposure time: 48 h
Test Type: Growth inhibition

Toxicity to soil dwelling organisms : Test Type: laboratory study
LC50 (Eisenia fetida (earthworms)): 0.732 mg/cm²
Exposure time: 48 h
Method: Expert judgement

Plant toxicity : 456.75 mg/kg
Exposure time: 14 d
Species: Lactuca sativa (lettuce)

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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
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

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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 organisms : LC50 (Eisenia fetida (earthworms)): from 1,000 mg/kg
Exposure time: 14 d
Test substance: 20% solution
Method: OECD 207
GLP: yes

Ecotoxicology Assessment

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

Persistence and degradability

Components:

Decyl Glucoside:

Biodegradability : Result: rapidly biodegradable
Biodegradation: > 70 %
Method: OECD 301

Laureth-2 to Laureth-40:

Biodegradability : Result: Readily biodegradable.
Biodegradation: 50 %
Exposure time: 15 d
Method: Expert judgement

Chlorhexidine Digluconate:

Biodegradability : Result: rapidly biodegradable
Biodegradation: 70 %
Exposure time: 10 d
Method: Tested according to Directive 92/69/EEC.
Test substance: 20% solution

Biochemical Oxygen Demand (BOD) : Biochemical oxygen demand within 5 days
0 mg/l
Test substance: 20% solution

Chemical Oxygen Demand (COD) : 21,900 mg/l
Test substance: 20% solution

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Stability in water : Test substance: 20% solution
Method: OECD Test Guideline 111
Remarks: not hydrolyzed.

Bioaccumulative potential

Components:

Laureth-2 to Laureth-40:

Bioaccumulation : Bioconcentration factor (BCF): 125
Method: Calculation method
Remarks: Bioaccumulation is unlikely.

Partition coefficient: n-octanol/water : Pow: 86.5 (73 °F / 23 °C)
log Pow: 1.937 (73 °F / 23 °C)
pH: 5.27

Chlorhexidine Digluconate:

Bioaccumulation : Species: Leuciscus idus (Golden orfe)
Bioconcentration factor (BCF): 42
Exposure time: 3 d
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).

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

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containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

SECTION 14. TRANSPORT INFORMATION

US Land transport (CFR)
non-regulated

Sea transport (IMDG)
non-regulated

Air transport (IATA)
non-regulated

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 : Acute toxicity (any route of exposure)
Serious eye damage or eye irritation
Skin corrosion or 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).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

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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	0.15 %
Sodium hydroxide	1310-73-2	0.15 %

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

Acetic acid	64-19-7	0.15 %
Sodium hydroxide	1310-73-2	0.15 %

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

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

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.

SECTION 16. OTHER INFORMATION

Further information

NFPA 704:

Health - 3 Flammability - 1 Instability - 0 Others -

HMIS® IV:

Health - 3 Flammability - 1 Instability - 0 Others -

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Full text of other abbreviations

Revision Date : 03/27/2019

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.

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