

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Entfilzungs Shampoo

Print date: 18.04.2016

Product code:

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Entfilzungs Shampoo

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture

care product for dogs

Uses advised against

any non-intended use.

1.3. Details of the supplier of the safety data sheet

Company name:	Quiko GmbH Heimtierprodukte	
Street:	Franzstr. 95	
Place:	D-46395 Bocholt	
Telephone:	+49 (0) 2871 2487 - 12	Telefax: +49 (0) 2871 2487 - 66
e-mail:	ep@quiko.de	
Internet:	www.quiko.de	
Responsible Department:	Dr. Gans-Eichler Chemieberatung GmbH Raesfeldstr. 22 D-48149 Münster	e-mail: info@tge-consult.de Tel.: +49 (0)251/924520-60 www.tge-consult.de

1.4. Emergency telephone number:

49 (0) 2871 2487 - 12 (Mo-Fr, 08:00-16:00)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

This mixture is not classified as hazardous according to Regulation (EC) No. 1272/2008.

2.2. Label elements

Regulation (EC) No. 1272/2008

Special labelling of certain mixtures

EUH208 Contains 1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one. May produce an allergic reaction.

2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.
No risks worthy of mention. Please observe the information on the safety data sheet at all times.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
68891-38-3	Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts			1 - < 5 %
	500-234-8		01-2119488639-16	
	Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 3; H315 H318 H412			
85586-07-8	Sulfuric acid, mono-C12-14-alkyl esters, sodium salts			1 - < 5 %
	287-809-4		01-2119489463-28	
	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 3; H302 H315 H318 H412			

Full text of H and EUH statements: see section 16.

Labelling for contents according to Regulation (EC) No 648/2004

5 % - 15 % non-ionic surfactants, 5 % - 15 % anionic surfactants, perfumes, preservation agents (2-Bromo-2-nitropropane-1,3-diol, Methylisothiazolinone, BENZISOTHIAZOLINONE).

Further Information

Product does not contain listed SVHC substances > 0,1 % according to Regulation (EC) No. 1907/2006 Article 59 (REACH)

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Remove contaminated, saturated clothing.

After inhalation

Remove casualty to fresh air and keep warm and at rest. In case of respiratory tract irritation, consult a physician.

After contact with skin

Remove contaminated, saturated clothing. Wash immediately with: Water and soap. In case of skin irritation, consult a physician.

After contact with eyes

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.

After ingestion

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person or a person with cramps. When in doubt or if symptoms are observed, get medical advice.

4.2. Most important symptoms and effects, both acute and delayed

refer to section 2 and 11.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂), alcohol resistant foam, Extinguishing powder, Water spray jet

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Unsuitable extinguishing media

High power water jet

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon dioxide (CO₂), Carbon monoxide, Nitrogen oxides (NO_x), Sulphur oxides, Hydrogen chloride (HCl), Chlorine (Cl₂).

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Use water spray jet to protect personnel and to cool endangered containers.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation.

Do not breathe vapour/aerosol. Avoid contact with skin, eyes and clothes.

Wear personal protection equipment (refer to section 8).

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered material as prescribed in the section on waste disposal.

Clean contaminated articles and floor according to the environmental legislation.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Provide adequate ventilation.

Wear suitable protective clothing. (See section 8.)

Avoid contact with skin, eyes and clothes.

Advice on protection against fire and explosion

Usual measures for fire prevention.

Further information on handling

General protection and hygiene measures: See section 8.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

Advice on storage compatibility

Do not store together with: Explosives, Oxidizing solids, Oxidizing liquids, Radioactive substances, Infectious substances

Further information on storage conditions

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

Recommended storage temperature: 15-25°C

Protect against: Light. UV-radiation/sunlight. heat. moisture.

7.3. Specific end use(s)

refer to section 1.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

DNEL/DMEL values

CAS No	Substance		
DNEL type	Exposure route	Effect	Value
68891-38-3	Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts		
Worker DNEL, long-term	dermal	systemic	2750 mg/kg bw/day
Worker DNEL, long-term	inhalation	systemic	175 mg/m ³
Consumer DNEL, long-term	oral	systemic	15 mg/kg bw/day
Consumer DNEL, long-term	dermal	systemic	1650 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	52 mg/m ³
85586-07-8	Sulfuric acid, mono-C12-14-alkyl esters, sodium salts		
Consumer DNEL, long-term	oral	systemic	24 mg/kg bw/day
Worker DNEL, long-term	inhalation	systemic	285 mg/m ³
Worker DNEL, long-term	dermal	systemic	4060 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	85 mg/m ³
Consumer DNEL, long-term	dermal	systemic	2440 mg/kg bw/day

PNEC values

CAS No	Substance	
Environmental compartment	Value	
68891-38-3	Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts	
Freshwater	0,24 mg/l	
Marine water	0,024 mg/l	
Freshwater sediment	5,45 mg/kg	
Marine sediment	0,545 mg/kg	
Micro-organisms in sewage treatment plants (STP)	10000 mg/l	
85586-07-8	Sulfuric acid, mono-C12-14-alkyl esters, sodium salts	
Freshwater	0,102 mg/l	
Marine water	0,10 mg/l	
Freshwater sediment	3,58 mg/kg	
Marine sediment	0,358 mg/kg	
Micro-organisms in sewage treatment plants (STP)	1084 mg/l	
Soil	0,654 mg/kg	

8.2. Exposure controls

Appropriate engineering controls

Provide adequate ventilation.

Protective and hygiene measures

Keep away from food, drink and animal feedingstuffs. Always close containers tightly after the removal of product. Do not eat, drink or smoke when using this product. Wash hands before breaks and after work. Take off contaminated clothing and wash it before reuse.

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Eye/face protection

Recommended eye protection articles: Eye glasses DIN EN 166

Hand protection

In case of prolonged or frequently repeated skin contact: Wear suitable gloves. DIN EN 374

Suitable material: NBR (Nitrile rubber) (0,7 mm)

Breakthrough time (maximum wearing time): >480 min

Check leak tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Protective clothing.

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.

Respiratory protection

Usually no personal respirative protection necessary.

Environmental exposure controls

Do not allow uncontrolled discharge of product into the environment.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	liquid
Colour:	.
Odour:	characteristic

Test method

pH-Value: not determined

Changes in the physical state

Melting point: not determined

Initial boiling point and boiling range: not determined

Pour point: not determined

Flash point: not determined

Sustaining combustion: No data available

Explosive properties

none

Lower explosion limits: not determined

Upper explosion limits: not determined

Ignition temperature: not determined

Decomposition temperature: not determined

Oxidizing properties

none

Vapour pressure: not determined

Vapour pressure: not determined

Density: not determined

Water solubility: miscible

Viscosity / dynamic: not determined

Viscosity / kinematic: not determined

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Flow time: not determined

Vapour density: not determined

9.2. Other information

Solid content: not determined

SECTION 10: Stability and reactivity**10.1. Reactivity**

No information available.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to avoid

Protect against: UV-radiation/sunlight, Heat, Humidity, Frost

10.5. Incompatible materials

Oxidising agent, strong, Strong acid, Strong alkali

10.6. Hazardous decomposition productsIn case of fire may be liberated: Carbon dioxide (CO₂), Carbon monoxide, Nitrogen oxides (NO_x), Sulphur oxides, Hydrogen chloride (HCl), Chlorine (Cl₂).**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Toxicokinetics, metabolism and distribution**

No information available.

Acute toxicity

Based on available data, the classification criteria are not met.

CAS No	Chemical name			
	Exposure route	Dose	Species	Source
68891-38-3	Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts			
	oral	LD50 4100 mg/kg	Rat	ECHA Dossier
	dermal	LD50 >2000 mg/kg	Rat	ECHA Dossier
85586-07-8	Sulfuric acid, mono-C12-14-alkyl esters, sodium salts			
	oral	LD50 >500 - <2000 mg/kg	Rat	ECHA Dossier
	dermal	LD50 >2000 mg/kg	Rat	MSDS external.

Irritation and corrosivity

Based on available data, the classification criteria are not met.

Sensitising effects

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

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Based on available data, the classification criteria are not met.

Alcohols, C12-14(even numbered), ethoxylated EO, sulfates, sodium salts (CAS No. 68891-38-3):

In vitro mutagenicity/genotoxicity: No experimental indications of mutagenicity in-vitro exist.

Reproductive toxicity:

Method: OECD Guideline 416 (Two-Generation Reproduction Toxicity Study)

Species: Rat

Test duration: 119d

Test result: NOAEL = 300 mg/kg(bw)/day

Developmental toxicity/teratogenicity:

Method: OECD Guideline 414 (Prenatal Developmental Toxicity Study)

Species: Rat

Test duration: 20d

Test result: NOAEL = 1000 mg/kg(bw)/day

literature information: ECHA Dossier

Sulfuric acid, mono-C12-14-alkyl esters, sodium salts (CAS No. 85586-07-8):

In vitro mutagenicity/genotoxicity: No experimental indications of mutagenicity in-vitro exist.

Carcinogenicity:

Method: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)

Species: Rat

Test duration: 2 years

Test result: NOEL = >1125 mg/kg(bw)/day

Developmental toxicity/teratogenicity:

Method: OECD Guideline 414 (Prenatal Developmental Toxicity Study)

Species: Rat

Test duration: 21d

Test result: NOEL = 250 mg/kg(bw)/day

literature information: ECHA Dossier

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Alcohols, C12-14(even numbered), ethoxylated EO, sulfates, sodium salts (CAS No. 68891-38-3):

Subchronic oral toxicity:

Method: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

Species: Rat

Test duration: 90d

Test result: NOAEL = 225 mg/kg(bw)/day

literature information: ECHA Dossier

Sulfuric acid, mono-C12-14-alkyl esters, sodium salts (CAS No. 85586-07-8):

Subchronic dermal toxicity:

Method: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)

Species: Mouse

Test duration: 90d

Test result: NOAEL = 4000 mg/kg(bw)/day

literature information: ECHA Dossier

Aspiration hazard

Based on available data, the classification criteria are not met.

Specific effects in experiment on an animal

There are no data available on the preparation/mixture itself.

SECTION 12: Ecological information

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12.1. Toxicity

CAS No	Chemical name				
	Aquatic toxicity	Dose	[h] [d]	Species	Source
68891-38-3	Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts				
	Acute fish toxicity	LC50 (7,1) mg/l	96 h	Danio rerio	ECHA Dossier
	Acute algae toxicity	ErC50 27 mg/l	96 h	Desmodesmus subspicatus	ECHA Dossier
	Acute crustacea toxicity	EC50 (7,2) mg/l	48 h	Daphnia magna	ECHA Dossier
	Crustacea toxicity	NOEC 0,72 mg/l	21 d	Daphnia magna	ECHA Dossier
	Acute bacteria toxicity	(>1000 mg/l)		Pseudomonas putida	ECHA Dossier
85586-07-8	Sulfuric acid, mono-C12-14-alkyl esters, sodium salts				
	Acute fish toxicity	LC50 (3,6) mg/l	96 h	Oncorhynchus mykiss	ECHA Dossier
	Acute algae toxicity	ErC50 >20 mg/l	72 h	Desmodesmus subspicatus	ECHA Dossier
	Acute crustacea toxicity	EC50 (4,7) mg/l	48 h	Daphnia magna	ECHA Dossier
	Crustacea toxicity	NOEC 0,5089 mg/l		Daphnia magna	MSDS external.

12.2. Persistence and degradability

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
85586-07-8	Sulfuric acid, mono-C12-14-alkyl esters, sodium salts			
	OECD 301D / EEC 92/69 annex V, C.4-E	90-100%	28	ECHA Dossier
	Easily biodegradable (concerning to the criteria of the OECD)			

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
68891-38-3	Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts	0,3
85586-07-8	Sulfuric acid, mono-C12-14-alkyl esters, sodium salts	<2-,42

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

No data available

Further information

Do not allow to enter into surface water or drains.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Dispose of waste according to applicable legislation. Non-contaminated packages may be recycled.

According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

Control report for waste code/ waste marking according to EAKV:

Waste disposal number of waste from residues/unused products

200130 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents other than those mentioned in 20 01 29

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Waste disposal number of used product

200130 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents other than those mentioned in 20 01 29

Waste disposal number of contaminated packaging

150106 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); mixed packaging

Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information**Land transport (ADR/RID)**

14.1. UN number: Not restricted
14.2. UN proper shipping name: Not restricted
14.3. Transport hazard class(es): Not restricted
14.4. Packing group: Not restricted

Inland waterways transport (ADN)

14.1. UN number: Not restricted
14.2. UN proper shipping name: Not restricted
14.3. Transport hazard class(es): Not restricted
14.4. Packing group: Not restricted

Marine transport (IMDG)

14.1. UN number: Not restricted
14.2. UN proper shipping name: Not restricted
14.3. Transport hazard class(es): Not restricted
14.4. Packing group: Not restricted

Air transport (ICAO)

14.1. UN number: Not restricted
14.2. UN proper shipping name: Not restricted
14.3. Transport hazard class(es): Not restricted
14.4. Packing group: Not restricted

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

Not restricted

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not restricted

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

2010/75/EU (VOC): not determined
 2004/42/EC (VOC): not determined
 Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

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Additional information

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].
REACH 1907/2006 Appendix XVII, No not relevant

National regulatory information

Water contaminating class (D): 2 - water contaminating

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information**Changes**

Rev. 1.00; 10.03.2016, Initial release

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route
CAS Chemical Abstracts Service
DNEL: Derived No Effect Level
IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER
International Carriage of Dangerous Goods by Road
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)
LOAEL: Lowest observed adverse effect level
LOAEC: Lowest observed adverse effect concentration
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
NOAEL: No observed adverse effect level
NOAEC: No observed adverse effect level
NTP: National Toxicology Program
N/A: not applicable
OSHA: Concerning the International Transport of Dangerous Goods by Rail)
PNEC: predicted no effect concentration
PBT: Persistent bioaccumulative toxic
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
SARA: Superfund Amendments and Reauthorization Act
SVHC: substance of very high concern
TRGS Technische Regeln für Gefahrstoffe
TSCA: Toxic Substances Control Act
VOC: Volatile Organic Compounds
VwVwS: Verwaltungsvorschrift wassergefährdender Stoffe
WGK: Wassergefährdungsklasse

Relevant H and EUH statements (number and full text)

H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H412	Harmful to aquatic life with long lasting effects.
EUH208	Contains 1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one. May produce an allergic reaction.

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Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)