

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Nachtkerzen 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**

Nachtkerzen 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****Additional advice on labelling**

Labelling according to Regulation (EC) No. 1272/2008 [CLP]: none

**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****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.

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

5 % - 15 % non-ionic surfactants, 5 % - 15 % anionic surfactants, < 5 % cationic surfactants, perfumes, preservation agents (2-Bromo-2-nitropropane-1,3-diol, Methylisothiazolinone, BENZISOTHIAZOLINONE, Potassium sorbate, Sodium benzoate).

### 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 (CO<sub>2</sub>), alcohol resistant foam, Extinguishing powder, Water spray jet

#### 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 (CO<sub>2</sub>), Carbon monoxide, Nitrogen oxides (NO<sub>x</sub>), Sulphur oxides, Hydrogen chloride (HCl), Chlorine (Cl<sub>2</sub>).

### 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

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### **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.

## **SECTION 8: Exposure controls/personal protection**

### **8.1. Control parameters**

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### DNEL/DMEL values

CAS No	Substance	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 <sup>3</sup>
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 <sup>3</sup>
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 <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	4060 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	85 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	2440 mg/kg bw/day

### PNEC values

CAS No	Substance	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.

#### Eye/face protection

Recommended eye protection articles: Eye glasses DIN EN 166

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**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
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**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
Flow time:	not determined
Vapour density:	not determined

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### 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 products

In case of fire may be liberated: Carbon dioxide (CO<sub>2</sub>), Carbon monoxide, Nitrogen oxides (NO<sub>x</sub>), Sulphur oxides, Hydrogen chloride (HCl), Chlorine (Cl<sub>2</sub>).

## 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.

**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

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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.

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