

Trade name: easySPRAY

Substance number: SUB302020680000

Version: 3 / EU

Date revised: 02.11.2015

the date of issue: 22.03.07

Replaces Version: 2 / EU

Print date: 22.12.15

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

1.1. Product identifier

easySPRAY

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

Use of the substance/preparation

Sanitary cleanser, For industrial application only.

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

HAGLEITNER HYGIENE International GmbH
Lunastrasse 5
A-5700 Zell am See
Telephone no. +43 (0)5 0456
Fax no. +43 (0)5 0456 7777
E-Mail regulatoryaffairs@hagleitner.at
Information provided by / telephone Regulatory Affairs
E-mail address of person responsible for this SDS regulatoryaffairs@hagleitner.at

Address/Supplier

HAGLEITNER HYGIENE International GmbH
Lunastrasse 5
AT5700 Zell am See
Telephone no. +43 (0)5 0456
Fax no. +43 (0)5 0456 7777
E-mail address of person responsible for this SDS regulatoryaffairs@hagleitner.at

1.4. Emergency telephone number

Anti Poison Center Vienna: +43 (0)1 406 43430

SECTION 2: Hazards identification ***

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)
Eye Dam. 1 H318

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008
For explanation of abbreviations see section 16.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms ***

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**Signal word *****

Danger

Hazard statements ***

H318 Causes serious eye damage.
 EUH208 Contains A mixture of: 5-Chloro-2-methyl-2h-isothiazol-3-one [EC-no. 247-500-7] and 2-Methyl-2H-isothiazol-3-one [EC-no. 220-239-6] (3:1), May produce an allergic reaction.

Precautionary statements ***

P280 Wear protective gloves/protective clothing/eye protection/face protection.
 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.

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains FATTY ALCOHOL, ETHOXYLATED, PROPOXYLATED; Alkylethersulfate, Sodium salt

For industrial application only.

2.3. Other hazards

No special hazards have to be mentioned.

SECTION 3: Composition/information on ingredients *****3.2. Mixtures****Hazardous ingredients (Regulation (EC) No. 1272/2008) *******Citric acid, anhydrous**

CAS No. 77-92-9
 EINECS no. 201-069-1
 Concentration \geq 1 < 10 %

Classification (Regulation (EC) No. 1272/2008)
 Eye Irrit. 2 H319

FATTY ALCOHOL, ETHOXYLATED, PROPOXYLATED

CAS No. POLYMER
 EINECS no. POLYMER
 Concentration \geq 3 < 5,3 %

Classification (Regulation (EC) No. 1272/2008)
 Aquatic Acute 1 H400
 Eye Dam. 1 H318
 Skin Irrit. 2 H315

Alkylethersulfate, Sodium salt

CAS No. 68891-38-3
 EINECS no. 500-234-8
 Registration no. 01-2119488639-16
 Concentration \geq 1 < 3 %

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Classification (Regulation (EC) No. 1272/2008)

| | |
|-------------------|------|
| Skin Irrit. 2 | H315 |
| Eye Dam. 1 | H318 |
| Aquatic Chronic 3 | H412 |

Concentration limits (Regulation (EC) No. 1272/2008)

| | | |
|--------------|------|-------------|
| Eye Dam. 1 | H318 | >= 10 % |
| Eye Irrit. 2 | H319 | >= 5 < 10 % |

A mixture of: 5-Chloro-2-methyl-2h-isothiazol-3-one [EC-no. 247-500-7] and 2-Methyl-2H-isothiazol-3-one [EC-no. 220-239-6] (3:1)

CAS No. 55965-84-9

Registration no. 01-2119488221-41

Concentration < 0,0015 %

Classification (Regulation (EC) No. 1272/2008)

| | |
|-------------------|------|
| Acute Tox. 3 | H331 |
| Aquatic Chronic 1 | H410 |
| Aquatic Acute 1 | H400 |
| Skin Sens. 1 | H317 |
| Skin Corr. 1B | H314 |
| Acute Tox. 3 | H311 |
| Acute Tox. 3 | H301 |

Concentration limits (Regulation (EC) No. 1272/2008)

| | | |
|---------------|------|---------------|
| Skin Irrit. 2 | H315 | >= 0,06 < 0,6 |
| Eye Irrit. 2 | H319 | >= 0,06 < 0,6 |
| Skin Corr. 1B | H314 | >= 0,6 |
| Skin Sens. 1 | H317 | >= 0,0015 |

Ingredients (Regulation (EC) No 648/2004)

less than 5 %:

non-ionic surfactants

anionic surfactants

constituent:

preservation agents:

METHYLCHLOROISOTHIAZOLINONE

METHYLISOTHIAZOLINONE

further ingredients:

perfumes

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

Remove contaminated, soaked clothing immediately and dispose of safely.

After inhalation

Ensure supply of fresh air. No special measures required.

After skin contact

In case of contact with skin wash off with warm water. No special measures required.

After eye contact

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Eye treatment by an Occulist.

After ingestion

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Rinse mouth thoroughly with water. If swallowed, seek medical advice immediately and show this container or label.

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

Until now no symptoms known so far.

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

Hints for the physician / treatment

Treat symptomatically

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Compatible with all usual extinguishing media.

Non suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

None known

5.3. Advice for firefighters

Special protective equipment for fire-fighting

In case of combustion use a suitable breathing apparatus.

Other information

Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

High risk of slipping due to leakage/spillage of product. Use personal protective clothing.

6.2. Environmental precautions

Do not discharge into the subsoil/soil. Do not discharge into surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

Take up with absorbent material (eg sand, kieselguhr, universal binder). Rinse away rest with plenty of water.

6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Keep container tightly closed. Observe the usual precautions for handling chemicals. Provide good ventilation of working area (local exhaust ventilation if necessary).

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage temperature

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Value \geq 5 \leq 25 °C**Storage stability**

Storage life: 3 years

Requirements for storage rooms and vessels

Keep only in the original container. Storage rooms must be properly ventilated.

Further information on storage conditions

Keep locked up and out of the reach of children. Keep container tightly closed; open and handle with care.

7.3. Specific end use(s)

For industrial application only.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Other information**

There is not known any national exposure limit.

Derived No/Minimal Effect Levels (DNEL/DMEL)**Alkylethersulfate, Sodium salt**

| | | |
|----------------------|--------------------------------|---------|
| Reference substance | Alkylethersulfate, Sodium salt | |
| Type of value | Derived No Effect Level (DNEL) | |
| Reference group | Worker | |
| Duration of exposure | Long term | |
| Route of exposure | dermal | |
| Mode of action | Systemic effects | |
| Concentration | 2750 | mg/kg/d |

| | | |
|----------------------|--------------------------------|-------------------|
| Type of value | Alkylethersulfate, Sodium salt | |
| Reference group | Derived No Effect Level (DNEL) | |
| Reference group | Worker | |
| Duration of exposure | Long term | |
| Route of exposure | inhalative | |
| Mode of action | Systemic effects | |
| Concentration | 175 | mg/m ³ |

| | | |
|----------------------|--------------------------------|---------|
| Type of value | Alkylethersulfate, Sodium salt | |
| Reference group | Derived No Effect Level (DNEL) | |
| Reference group | Consumer | |
| Duration of exposure | Long term | |
| Route of exposure | dermal | |
| Mode of action | Systemic effects | |
| Concentration | 1650 | mg/kg/d |

| | | |
|----------------------|--------------------------------|-------------------|
| Type of value | Alkylethersulfate, Sodium salt | |
| Reference group | Derived No Effect Level (DNEL) | |
| Reference group | Consumer | |
| Duration of exposure | Long term | |
| Route of exposure | inhalative | |
| Mode of action | Systemic effects | |
| Concentration | 52 | mg/m ³ |

| | | |
|-----------------|--------------------------------|--|
| Type of value | Alkylethersulfate, Sodium salt | |
| Reference group | Derived No Effect Level (DNEL) | |
| Reference group | Consumer | |

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| | | |
|----------------------|------------------|---------|
| Duration of exposure | Long term | |
| Route of exposure | oral | |
| Mode of action | Systemic effects | |
| Concentration | 15 | mg/kg/d |

Predicted No Effect Concentration (PNEC)**Alkylethersulfate, Sodium salt**

| | | |
|---------------------|--------------------------------|-------|
| Reference substance | Alkylethersulfate, Sodium salt | |
| Type of value | PNEC | |
| Type | Freshwater | |
| Concentration | 0,24 | mg/l |
| Method | Assessment factors | |
| Type of value | Alkylethersulfate, Sodium salt | |
| Type | PNEC | |
| Type | Saltwater | |
| Concentration | 0,024 | mg/l |
| Method | Assessment factors | |
| Type of value | Alkylethersulfate, Sodium salt | |
| Type | PNEC | |
| Type | Sewage treatment plant (STP) | |
| Concentration | 10000 | mg/l |
| Method | Assessment factors | |
| Type of value | Alkylethersulfate, Sodium salt | |
| Type | PNEC | |
| Type | Freshwater sediment | |
| Concentration | 5,45 | mg/kg |
| Method | Equilibrium partitioning | |
| Type of value | Alkylethersulfate, Sodium salt | |
| Type | PNEC | |
| Type | Marine sediment | |
| Concentration | 0,545 | mg/kg |
| Method | Equilibrium partitioning | |
| Type of value | Alkylethersulfate, Sodium salt | |
| Type | PNEC | |
| Type | Soil | |
| Concentration | 0,946 | mg/kg |
| Method | Equilibrium partitioning | |

8.2. Exposure controls**General protective and hygiene measures**

Avoid prolonged and/or repeated contact with skin. Use barrier skin cream. Do not eat, drink or smoke during work time. Observe the usual precautions for handling chemicals.

Respiratory protection

Not necessary, but do not inhale vapours.

Hand protection

In case of intensive contact wear protective gloves.

| | | |
|----------------------|-------|---------|
| Appropriate Material | butyl | |
| Material thickness | = | 0,5 mm |
| Breakthrough time | >= | 120 min |

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Appropriate Material nitrile

z.B.: BRILLANT nitrilX-TREME, Art.-Nr. 4451001000 oder BRILLANT nitrilSTYLE, Art.-Nr. 4451001300

Eye protection

Safety glasses

Body protection

Clothing as usual in the chemical industry.

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

| | | | | |
|--|---------------------|----|---|-------------------|
| Form | liquid, clear | | | |
| Colour | blue-green | | | |
| Odour | Product specific | | | |
| pH value | | | | |
| Value | appr. 2,6 | | | |
| Concentration/H ₂ O | 100 | % | | |
| Temperature | 20 | °C | | |
| Remarks | acidic | | | |
| Freezing point | | | | |
| Value | appr. -4 | to | 4 | °C |
| Sublimation point | | | | |
| Remarks | not determined | | | |
| Initial boiling point and boiling range | | | | |
| Value | appr. 100 | | | °C |
| Flash point | | | | |
| Value | > 100 | | | °C |
| Evaporation rate | | | | |
| Remarks | not determined | | | |
| Evaporation rate (ether = 1) : | | | | |
| Remarks | not determined | | | |
| Vapour pressure | | | | |
| Remarks | not determined | | | |
| Vapour density | | | | |
| Remarks | not determined | | | |
| Density | | | | |
| Value | 1,020 | | | g/cm ³ |
| Temperature | 20 | °C | | |
| Solubility in water | | | | |
| Remarks | Completely miscible | | | |
| Solubility(ies) | | | | |
| Remarks | not determined | | | |
| Partition coefficient: n-octanol/water | | | | |
| Remarks | not determined | | | |
| Auto-ignition temperature | | | | |
| Remarks | not determined | | | |
| Combustion factor | | | | |
| Remarks | not determined | | | |

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Decomposition temperature

Remarks No decomposition if used as prescribed.

Viscosity**dynamic**Value appr. 15 mPa.s
Temperature 20 °C**Oxidising properties**

evaluation None known

9.2. Other information**Bulk density**

Remarks not determined

Packed bulk density

Remarks not determined

Solids content

Remarks not determined

Saturation Concentration

Remarks not determined

Critical point

Remarks not determined

Dissociation constant

Remarks not determined

Surface tension

Remarks not determined

Other information

None known

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

Reactions with impurities.

10.2. Chemical stability

Protect from extreme heat and cold.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

Keep at temperature not exceeding 30 °C.

Decomposition temperature

Remarks No decomposition if used as prescribed.

10.5. Incompatible materials

No hazardous reactions when stored and handled according to prescribed instructions.

10.6. Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

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11.1. Information on toxicological effects

Acute oral toxicity (Components)

FATTY ALCOHOL, ETHOXYLATED, PROPOXYLATED

| | | | |
|---------|---------------------|------|-------|
| Species | rat | | |
| LD50 | > | 2000 | mg/kg |
| Source | Manufacturer's data | | |

Citric acid, anhydrous

| | | | |
|---------|---------------------|------|-------|
| Species | rat | | |
| LD50 | = | 3000 | mg/kg |
| Source | Manufacturer's data | | |

Skin corrosion/irritation

| | |
|------------|----------|
| evaluation | irritant |
|------------|----------|

Serious eye damage/irritation

| | |
|------------|---|
| evaluation | irritant - risk of serious damage to eyes |
|------------|---|

Sensitization

| | |
|------------|-----------------|
| evaluation | non-sensitizing |
|------------|-----------------|

Subacute, subchronic, chronic toxicity

| | |
|---------|----------------|
| Remarks | not determined |
|---------|----------------|

Mutagenicity

| | |
|---------|----------------|
| Remarks | not determined |
|---------|----------------|

Reproductive toxicity

| | |
|---------|----------------|
| Remarks | not determined |
|---------|----------------|

Carcinogenicity

| | |
|---------|----------------|
| Remarks | not determined |
|---------|----------------|

Specific Target Organ Toxicity (STOT)

| | |
|---------|----------------|
| Remarks | not determined |
|---------|----------------|

Experience in practice

Inhalation may lead to irritation of the respiratory tract.

Other information

Product specific toxicological data are not known.

SECTION 12: Ecological information

12.1. Toxicity

Fish toxicity (Components)

FATTY ALCOHOL, ETHOXYLATED, PROPOXYLATED

| | | | | | |
|----------------------|--------------------------------|-----|----|---|------|
| Species | zebra fish (Brachydanio rerio) | | | | |
| LC50 | = | 0,1 | to | 1 | mg/l |
| Duration of exposure | = | 96 | h | | |
| Source | Manufacturer's data | | | | |

Citric acid, anhydrous

| | | | | | |
|----------------------|------------------------------|-----|----|-----|------|
| Species | golden orfe (Leuciscus idus) | | | | |
| LC50 | = | 440 | to | 760 | mg/l |
| Duration of exposure | = | 96 | h | | |
| Source | Manufacturer's data | | | | |

Daphnia toxicity (Components)

FATTY ALCOHOL, ETHOXYLATED, PROPOXYLATED

| | | | | | |
|------|---|---|----|----|------|
| EC50 | = | 1 | to | 10 | mg/l |
|------|---|---|----|----|------|

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Duration of exposure = 48 h
Source Manufacturer's data

Citric acid, anhydrous

Species Daphnia magna
EC50 = 120 mg/l
Duration of exposure = 72 h
Source Manufacturer's data

Citric acid, anhydrous

Species Entosiphon sulcatum
EC5 = 485 mg/l
Duration of exposure = 72 h
Source Manufacturer's data

Algae toxicity (Components)**FATTY ALCOHOL, ETHOXYLATED, PROPOXYLATED**

EC50 = 0,1 to 1 mg/l
Duration of exposure = 72 h
Source Manufacturer's data

Citric acid, anhydrous

IC5 = 640 mg/l
Duration of exposure = 7 Days
Source Manufacturer's data

Citric acid, anhydrous

Species Microcystis aeruginosa (blue alge)
IC5 = 80 mg/l
Duration of exposure = 8 Days
Source Manufacturer's data

Bacteria toxicity (Components)**FATTY ALCOHOL, ETHOXYLATED, PROPOXYLATED**

Species Pseudomonas putida
EC10 > 1000 mg/l
Source Manufacturer's data

Citric acid, anhydrous

Species Pseudomonas putida
IC5 > 10000 mg/l
Duration of exposure = 16 h
Source Manufacturer's data

12.2. Persistence and degradability**General information**

not determined

12.3. Bioaccumulative potential**General information**

not determined

Partition coefficient: n-octanol/water

Remarks not determined

12.4. Mobility in soil**General information**

not determined

12.5. Results of PBT and vPvB assessment

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General information

not determined

12.6. Other adverse effects**General information**

not determined

General information / ecology

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations for the product**

EWC waste code 20 01 29* detergents containing dangerous substances

The listed waste code numbers, according to the European Waste Catalogue (EWC), are to be understood as a recommendation. A final decision must be made in agreement with the regional waste disposal company.

Disposal recommendations for packaging

Completely emptied packagings can be given for recycling.

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

Non-dangerous goods

14.1. UN number

UN -

14.2. UN proper shipping name

-

14.3. Transport hazard class(es)

Class -

14.4. Packing group

Packing group -

14.5. Environmental hazards

-

Marine transport IMDG/GGVSee

The product does not constitute a hazardous substance in sea transport.

14.1. UN number

UN -

14.2. UN proper shipping name

-

14.3. Transport hazard class(es)

Class -

14.4. Packing group

Packing group -

14.5. Environmental hazards

-

Air transport ICAO/IATA

The product does not constitute a hazardous substance in air transport.

14.1. UN number

UN -

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14.2. UN proper shipping name

-

14.3. Transport hazard class(es)

Class

-

14.4. Packing group

Packing group

-

14.5. Environmental hazards

-

Information for all modes of transport**14.6. Special precautions for user**

Non-dangerous goods

Other information**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

not determined

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****less than 5 %:**

non-ionic surfactants, anionic surfactants, amphoteric surfactants

Further ingredients

A mixture of: 5-Chloro-2-methyl-2h-isothiazol-3-one [EC-no. 247-500-7] and 2-Methyl-2H-isothiazol-3-one [EC-no. 220-239-6] (3:1), p-tert-Butyl-alpha-methylhydrocinnamic aldehyde, dl-Citronellol, Isoeugenol

Water Hazard Class (Germany)

Water Hazard Class

WGK 2

(Germany)

Remarks

Classification according to Annex 4 VwVwS

VOC

VOC (CH)

= 0,0 %

VOC (EU)

= 0,0 %

15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

SECTION 16: Other information

Alterations/supplements: Alterations to the previous edition are marked with an asterisk (*) in the left-hand margin.

Hazard statements listed in Chapter 3

| | |
|------|---|
| H301 | Toxic if swallowed. |
| H311 | Toxic in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H331 | Toxic if inhaled. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |

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CLP categories listed in Chapter 3

| | |
|-------------------|---|
| Acute Tox. 3 | Acute toxicity, Category 3 |
| Aquatic Acute 1 | Hazardous to the aquatic environment, acute, Category 1 |
| Aquatic Chronic 1 | Hazardous to the aquatic environment, chronic, Category 1 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment, chronic, Category 3 |
| Eye Dam. 1 | Serious eye damage, Category 1 |
| Eye Irrit. 2 | Eye irritation, Category 2 |
| Skin Corr. 1B | Skin corrosion, Category 1B |
| Skin Irrit. 2 | Skin irritation, Category 2 |
| Skin Sens. 1 | Skin sensitization, Category 1 |

Abbreviations

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route
IMDG: International Maritime Code for Dangerous Goods
IATA: International Civil Aviation Organization
CAS: Chemical Abstracts Service
EINECS: European Inventory of Existing Commercial Chemical Substances
VOC: Volatile Organic Compound
NOEL: No observable effect level
NOEC: No observable effect concentration
LD: Lethal dose
LC: Lethal concentration
REACH: Registration, Evaluation, Autohorisation and Restriction of Chemicals
IMO: International Maritime Organization
DNEL: Derived no effect level
PNEC: Predicted no effect concentration
RID: Règlement concernant le transport international ferroviaire de marchandises dangereuses
EC: European Community
EU: European Union
GHS: Globally Harmonized System of classification and Labelling of Chemicals
MAK: Maximale Arbeitsplatz-Konzentration
INCI: International Nomenclature of Cosmetic Ingredients
UN: United Nations

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.

