

Page 1 of 29
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 14.09.2023 / 0003
Replacing version dated / version: 16.09.2022 / 0002
Valid from: 14.09.2023
PDF print date: 14.09.2023
Active Foam X-mas
Art.: 293999

Safety data sheet **according to Regulation (EC) No 1907/2006, Annex II**

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

1.1 Product identifier

Active Foam X-mas
Art.: 293999

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

Vehicle cleansing

Uses advised against:

No information available at present.

1.3 Details of the supplier of the safety data sheet

Koch-Chemie GmbH
Einsteinstrasse 42
59423 Unna
Telefon: +49 (0) 2303 / 9 86 70 - 0
Fax: +49 (0) 2303 / 9 86 70 - 26
info@koch-chemie.com
www.koch-chemie.com

Qualified person's e-mail address: info@chemical-check.de, k.schnurbusch@chemical-check.de Please DO NOT use for requesting Safety Data Sheets.

1.4 Emergency telephone number

Emergency information services / official advisory body:

IRL

National Poisons Information Centre, Beaumont Hospital, Dublin 9, Ireland, Tel.:
+353 (0)1 809 2166 (Public Poisons Info Line, 8am-10pm, 7 days a week)
+353 (0)1 809 2566 (Info for Healthcare Professionals ONLY, 24 h, 7 days a week)

Telephone number of the company in case of emergencies:

+1 872 5888271 (KCC)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) 1272/2008 (CLP)

| Hazard class | Hazard category | Hazard statement |
|---------------------|------------------------|---|
| Skin Irrit. | 2 | H315-Causes skin irritation. |
| Eye Dam. | 1 | H318-Causes serious eye damage. |
| Skin Sens. | 1 | H317-May cause an allergic skin reaction. |
| Aquatic Chronic | 3 | H412-Harmful to aquatic life with long lasting effects. |

2.2 Label elements

Labeling according to Regulation (EC) 1272/2008 (CLP)



Danger

H315-Causes skin irritation. H318-Causes serious eye damage. H317-May cause an allergic skin reaction. H412-Harmful to aquatic life with long lasting effects.

P261-Avoid breathing vapours or spray. P273-Avoid release to the environment. P280-Wear protective gloves and 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 / doctor. P333+P313-If skin irritation or rash occurs: Get medical advice / attention.

EUH205-Contains epoxy constituents. May produce an allergic reaction.

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

2-Octyl-2H-isothiazol-3-one

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Sulfonic acids, C14-17-sec-alkane, sodium salts

Eugenol

Cinnamaldehyde

2.3 Other hazards

The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).

The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).

The mixture does not contain any substance with endocrine disrupting properties (< 0,1 %).

SECTION 3: Composition/information on ingredients

3.1 Substances

n.a.

3.2 Mixtures

| Sulfonic acids, C14-17-sec-alkane, sodium salts | |
|--|---|
| Registration number (REACH) | 01-2119489924-20-XXXX |
| Index | --- |
| EINECS, ELINCS, NLP, REACH-IT List-No. | 307-055-2 |
| CAS | 97489-15-1 |
| content % | 10-<25 |
| Classification according to Regulation (EC) 1272/2008 (CLP), M-factors | Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412 |
| Specific Concentration Limits and ATE | Skin Irrit. 2, H315: >=10,001 % Eye Dam. 1, H318: >=15,001 % Eye Irrit. 2, H319: >=10,001 % |

Page 3 of 29
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 14.09.2023 / 0003
 Replacing version dated / version: 16.09.2022 / 0002
 Valid from: 14.09.2023
 PDF print date: 14.09.2023
 Active Foam X-mas
 Art.: 293999

| Alcohols, C12-14, ethoxylated, sulfates, sodium salts | |
|--|--|
| Registration number (REACH) | 01-2119488639-16-XXXX |
| Index | --- |
| EINECS, ELINCS, NLP, REACH-IT List-No. | 500-234-8 |
| CAS | 68891-38-3 |
| content % | 5-<10 |
| Classification according to Regulation (EC) 1272/2008 (CLP), M-factors | Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412 |
| Specific Concentration Limits and ATE | Eye Dam. 1, H318: >=10 % Eye Irrit. 2, H319: >=5 % |

| Sodium p-cumenesulphonate | |
|--|-----------------------|
| Registration number (REACH) | 01-2119489411-37-XXXX |
| Index | --- |
| EINECS, ELINCS, NLP, REACH-IT List-No. | 239-854-6 |
| CAS | 15763-76-5 |
| content % | 1-<5 |
| Classification according to Regulation (EC) 1272/2008 (CLP), M-factors | Eye Irrit. 2, H319 |

| Cinnamaldehyde | |
|--|---|
| Registration number (REACH) | --- |
| Index | --- |
| EINECS, ELINCS, NLP, REACH-IT List-No. | 203-213-9 |
| CAS | 104-55-2 |
| content % | 1-<2,5 |
| Classification according to Regulation (EC) 1272/2008 (CLP), M-factors | Acute Tox. 4, H312 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1A, H317 Aquatic Chronic 3, H412 |

| Eugenol | |
|--|---|
| Registration number (REACH) | --- |
| Index | --- |
| EINECS, ELINCS, NLP, REACH-IT List-No. | 202-589-1 |
| CAS | 97-53-0 |
| content % | 0,1-<1 |
| Classification according to Regulation (EC) 1272/2008 (CLP), M-factors | Eye Irrit. 2, H319 Skin Sens. 1B, H317 |

| Benzyl benzoate | |
|--|--|
| Registration number (REACH) | --- |
| Index | 607-085-00-9 |
| EINECS, ELINCS, NLP, REACH-IT List-No. | 204-402-9 |
| CAS | 120-51-4 |
| content % | 0,1-<1 |
| Classification according to Regulation (EC) 1272/2008 (CLP), M-factors | Acute Tox. 4, H302 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 2, H411 |
| Specific Concentration Limits and ATE | ATE (oral): 500 mg/kg |

| Bronopol (INN) | |
|--|--------------|
| Registration number (REACH) | --- |
| Index | 603-085-00-8 |
| EINECS, ELINCS, NLP, REACH-IT List-No. | 200-143-0 |
| CAS | 52-51-7 |
| content % | 0,01-<0,1 |

Page 4 of 29
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 14.09.2023 / 0003
 Replacing version dated / version: 16.09.2022 / 0002
 Valid from: 14.09.2023
 PDF print date: 14.09.2023
 Active Foam X-mas
 Art.: 293999

| | |
|---|---|
| Classification according to Regulation (EC) 1272/2008 (CLP), M-factors | Acute Tox. 3, H301 Acute Tox. 3, H331 Acute Tox. 4, H312 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 2, H411 |
|---|---|

| | |
|---|---|
| 2-Octyl-2H-isothiazol-3-one | |
| Registration number (REACH) | --- |
| Index | 613-112-00-5 |
| EINECS, ELINCS, NLP, REACH-IT List-No. | 247-761-7 |
| CAS | 26530-20-1 |
| content % | 0,0015-<0,01 |
| Classification according to Regulation (EC) 1272/2008 (CLP), M-factors | EUH071 Acute Tox. 2, H330 Acute Tox. 3, H301 Acute Tox. 3, H311 Skin Corr. 1, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100) |
| Specific Concentration Limits and ATE | Skin Sens. 1A, H317: >=0,0015 % ATE (oral): 125 mg/kg ATE (dermal): 311 mg/kg ATE (as inhalation, Mist): 0,27 mg/l/4h |

| | |
|--|--|
| Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | |
| Registration number (REACH) | --- |
| Index | 613-167-00-5 |
| EINECS, ELINCS, NLP, REACH-IT List-No. | --- |
| CAS | 55965-84-9 |
| content % | 0,00015-<0,0015 |
| Classification according to Regulation (EC) 1272/2008 (CLP), M-factors | EUH071 Acute Tox. 2, H310 Acute Tox. 2, H330 Acute Tox. 3, H301 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100) |
| Specific Concentration Limits and ATE | Skin Corr. 1C, H314: >=0,6 % Skin Irrit. 2, H315: >=0,06 % Eye Dam. 1, H318: >=0,6 % Eye Irrit. 2, H319: >=0,06 % Skin Sens. 1A, H317: >=0,0015 % |

Impurities, test data and additional information may have been taken into account in classifying and labelling the product.
 For the text of the H-phrases and classification codes (GHS/CLP), see Section 16.
 The substances named in this section are given with their actual, appropriate classification!
 For substances that are listed in appendix VI, table 3.1 of the regulation (EC) no. 1272/2008 (CLP regulation) this means that all notes that may be given here for the named classification have been taken into account.
 The addition of the highest concentrations listed here can result in a classification. Only when this classification is listed in Section 2 does it apply. In all other cases the total concentration is below the classification.

SECTION 4: First aid measures

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 14.09.2023 / 0003

Replacing version dated / version: 16.09.2022 / 0002

Valid from: 14.09.2023

PDF print date: 14.09.2023

Active Foam X-mas

Art.: 293999

4.1 Description of first aid measures

First-aiders should ensure they are protected!

Never pour anything into the mouth of an unconscious person!

Inhalation

Supply person with fresh air and consult doctor according to symptoms.

Skin contact

Wash thoroughly using copious water - remove contaminated clothing immediately. If skin irritation occurs (redness etc.), consult doctor.

Eye contact

Remove contact lenses.

Wash thoroughly for several minutes using copious water - call doctor immediately, have Data Sheet available.

Protect uninjured eye.

Follow-up examination by an ophthalmologist.

Ingestion

Rinse the mouth thoroughly with water.

Give copious water to drink - consult doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1.

In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours.

eyes, reddened

watering eyes

Irritation of the eyes

reddening of the skin

Dermatitis (skin inflammation)

Allergic reaction

4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Adapt to the nature and extent of fire.

Water jet spray / alcohol resistant foam / CO₂ / dry extinguisher.

Unsuitable extinguishing media

None known

5.2 Special hazards arising from the substance or mixture

In case of fire the following can develop:

Oxides of carbon

Oxides of sulphur

Toxic gases

5.3 Advice for firefighters

For personal protective equipment see Section 8.

In case of fire and/or explosion do not breathe fumes.

Protective respirator with independent air supply.

According to size of fire

Full protection, if necessary.

Dispose of contaminated extinction water according to official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

In case of spillage or accidental release, wear personal protective equipment as specified in section 8 to prevent contamination.

Page 6 of 29

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 14.09.2023 / 0003

Replacing version dated / version: 16.09.2022 / 0002

Valid from: 14.09.2023

PDF print date: 14.09.2023

Active Foam X-mas

Art.: 293999

Ensure sufficient ventilation, remove sources of ignition.

Avoid dust formation with solid or powder products.

Leave the danger zone if possible, use existing emergency plans if necessary.

Avoid contact with eyes or skin.

If applicable, caution - risk of slipping.

6.1.2 For emergency responders

See section 8 for suitable protective equipment and material specifications.

6.2 Environmental precautions

If leakage occurs, dam up.

Resolve leaks if this possible without risk.

Prevent surface and ground-water infiltration, as well as ground penetration.

Prevent from entering drainage system.

If accidental entry into drainage system occurs, inform responsible authorities.

6.3 Methods and material for containment and cleaning up

Soak up with absorbent material (e.g. universal binding agent, sand, diatomaceous earth, sawdust) and dispose of according to Section 13.

Fill the absorbed material into lockable containers.

6.4 Reference to other sections

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

SECTION 7: Handling and storage

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

7.1 Precautions for safe handling

7.1.1 General recommendations

Ensure good ventilation.

Avoid contact with eyes or skin.

Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.

Observe directions on label and instructions for use.

Use working methods according to operating instructions.

7.1.2 Notes on general hygiene measures at the workplace

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

7.2 Conditions for safe storage, including any incompatibilities

Keep out of access to unauthorised individuals.

Store product closed and only in original packing.

Not to be stored in gangways or stair wells.

Store at room temperature.

Store in a dry place.

7.3 Specific end use(s)

No information available at present.

Observe the instructions for good working practice and the recommendations for risk assessment.

Consult hazardous substance information systems, e.g. from the professional associations, the chemical industry or different industries,

depending on the application (building materials, wood, chemistry, laboratory, leather, metal).

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Sulfonic acids, C14-17-sec-alkane, sodium salts

| Area of application | Exposure route / Environmental compartment | Effect on health | Descriptor | Value | Unit | Note |
|---------------------|--|-----------------------------|------------|-------|------------|------|
| | Environment - freshwater | | PNEC | 0,04 | mg/l | |
| | Environment - marine | | PNEC | 0,004 | mg/l | |
| | Environment - water, sporadic (intermittent) release | | PNEC | 0,06 | mg/l | |
| | Environment - sediment, freshwater | | PNEC | 9,4 | mg/kg dw | |
| | Environment - sediment, marine | | PNEC | 0,94 | mg/kg dw | |
| | Environment - soil | | PNEC | 9,4 | mg/kg dw | |
| | Environment - sewage treatment plant | | PNEC | 600 | mg/l | |
| | Environment - oral (animal feed) | | PNEC | 53,3 | mg/kg feed | |
| | Environment - periodic release | | DNEL | 0 | mg/kg | |
| Consumer | Human - dermal | Long term, systemic effects | DNEL | 3,57 | mg/kg bw/d | |
| Consumer | Human - inhalation | Long term, systemic effects | DNEL | 12,4 | mg/m3 | |
| Consumer | Human - oral | Long term, systemic effects | DNEL | 7,1 | mg/kg bw/d | |
| Consumer | Human - dermal | Short term, local effects | DNEL | 2,8 | mg/cm2 | |
| Consumer | Human - dermal | Long term, local effects | DNEL | 2,8 | mg/cm2 | |
| Workers / employees | Human - dermal | Short term, local effects | DNEL | 2,8 | mg/cm2 | |
| Workers / employees | Human - dermal | Long term, systemic effects | DNEL | 5 | mg/kg bw/d | |
| Workers / employees | Human - inhalation | Long term, systemic effects | DNEL | 35 | mg/m3 | |
| Workers / employees | Human - dermal | Long term, local effects | DNEL | 2,8 | mg/cm2 | |

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

| Area of application | Exposure route / Environmental compartment | Effect on health | Descriptor | Value | Unit | Note |
|---------------------|---|------------------|------------|--------|------------------|------|
| | Environment - freshwater | | PNEC | 0,24 | mg/l | |
| | Environment - periodic release | | PNEC | 0,13 | mg/l | |
| | Environment - marine | | PNEC | 0,024 | mg/l | |
| | Environment - sediment, marine | | PNEC | 0,0917 | mg/kg dry weight | |
| | Environment - sewage treatment plant | | PNEC | 10000 | mg/l | |
| | Environment - soil | | PNEC | 0,946 | mg/kg dry weight | |
| | Environment - sporadic (intermittent) release | | PNEC | 0,071 | mg/l | |
| | Environment - sediment, freshwater | | PNEC | 0,917 | mg/kg | |
| | Environment - sediment, marine | | PNEC | 0,092 | mg/kg | |
| | Environment - soil | | PNEC | 7,5 | mg/kg | |

| | | | | | | |
|---------------------|--------------------|-----------------------------|------|-------|--------------|--|
| Consumer | Human - dermal | Long term, local effects | DNEL | 0,079 | mg/cm2 | |
| Consumer | Human - oral | Long term, systemic effects | DNEL | 15 | mg/kg bw/day | |
| Consumer | Human - dermal | Long term, systemic effects | DNEL | 1650 | mg/kg bw/day | |
| Consumer | Human - inhalation | Long term, systemic effects | DNEL | 52 | mg/m3 | |
| Workers / employees | Human - dermal | Long term, systemic effects | DNEL | 2750 | mg/kg bw/day | |
| Workers / employees | Human - inhalation | Long term, systemic effects | DNEL | 175 | mg/m3 | |
| Workers / employees | Human - dermal | Long term, local effects | DNEL | 0,132 | mg/cm2 | |

Sodium p-cumenesulphonate

| Area of application | Exposure route / Environmental compartment | Effect on health | Descriptor | Value | Unit | Note |
|---------------------|---|-----------------------------|------------|-------|--------------|------|
| | Environment - freshwater | | PNEC | 0,1 | mg/l | |
| | Environment - sporadic (intermittent) release | | PNEC | 1 | mg/l | |
| | Environment - sewage treatment plant | | PNEC | 100 | mg/l | |
| | Environment - marine | | PNEC | 0,023 | mg/l | |
| | Environment - sediment, freshwater | | PNEC | 0,862 | mg/kg dw | |
| | Environment - sediment, marine | | PNEC | 0,086 | mg/kg dw | |
| | Environment - soil | | PNEC | 0,037 | mg/kg dw | |
| Consumer | Human - dermal | Long term, local effects | DNEL | 0,048 | mg/cm2 | |
| Consumer | Human - oral | Long term, systemic effects | DNEL | 3,8 | mg/kg | |
| Consumer | Human - dermal | Long term, systemic effects | DNEL | 3,8 | mg/kg bw/day | |
| Consumer | Human - inhalation | Long term, systemic effects | DNEL | 6,6 | mg/m3 | |
| Consumer | Human - oral | Long term, systemic effects | DNEL | 3,8 | mg/kg bw/day | |
| Workers / employees | Human - dermal | Long term, systemic effects | DNEL | 7,6 | mg/kg bw/day | |
| Workers / employees | Human - inhalation | Long term, systemic effects | DNEL | 37,4 | mg/m3 | |
| Workers / employees | Human - dermal | Long term, local effects | DNEL | 0,096 | mg/cm2 | |

Eugenol

| Area of application | Exposure route / Environmental compartment | Effect on health | Descriptor | Value | Unit | Note |
|---------------------|---|------------------|------------|-------|-------|------|
| | Environment - freshwater | | PNEC | 1,13 | µg/l | |
| | Environment - marine | | PNEC | 0,113 | µg/l | |
| | Environment - sporadic (intermittent) release | | PNEC | 11,3 | µg/l | |
| | Environment - sediment, freshwater | | PNEC | 0,081 | mg/kg | |

Page 9 of 29
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 14.09.2023 / 0003
 Replacing version dated / version: 16.09.2022 / 0002
 Valid from: 14.09.2023
 PDF print date: 14.09.2023
 Active Foam X-mas
 Art.: 293999

| | | | | | | |
|---------------------|--------------------------------|-----------------------------|------|--------|------------|--|
| | Environment - sediment, marine | | PNEC | 0,0081 | mg/kg | |
| | Environment - soil | | PNEC | 0,0155 | mg/kg dw | |
| Consumer | Human - inhalation | Long term, systemic effects | DNEL | 5,22 | mg/m3 | |
| Consumer | Human - dermal | Long term, systemic effects | DNEL | 3 | mg/kg bw/d | |
| Consumer | Human - oral | Long term, systemic effects | DNEL | 3 | mg/kg bw/d | |
| Workers / employees | Human - inhalation | Long term, systemic effects | DNEL | 21,2 | mg/m3 | |
| Workers / employees | Human - dermal | Long term, systemic effects | DNEL | 6 | mg/kg bw/d | |

| Benzyl benzoate | | | | | | |
|---------------------|--|------------------------------|------------|---------|--------------|------|
| Area of application | Exposure route / Environmental compartment | Effect on health | Descriptor | Value | Unit | Note |
| | Environment - soil | | PNEC | 2,12 | mg/kg dw | |
| | Environment - sewage treatment plant | | PNEC | 100 | mg/l | |
| | Environment - sediment, freshwater | | PNEC | 10,66 | mg/kg ww | |
| | Environment - sediment, marine | | PNEC | 1,07 | mg/kg ww | |
| | Environment - marine | | PNEC | 0,00168 | mg/l | |
| | Environment - freshwater | | PNEC | 0,0168 | mg/l | |
| Consumer | Human - oral | Long term, systemic effects | DNEL | 0,4 | mg/kg bw/d | |
| Consumer | Human - oral | Short term, systemic effects | DNEL | 78 | mg/kg bw/d | |
| Consumer | Human - inhalation | Long term, systemic effects | DNEL | 1,25 | mg/m3 | |
| Consumer | Human - inhalation | Short term, systemic effects | DNEL | 25 | mg/m3 | |
| Consumer | Human - dermal | Long term, systemic effects | DNEL | 1,3 | mg/kg bw/day | |
| Workers / employees | Human - oral | Long term, systemic effects | DNEL | 2,6 | mg/kg bw/d | |
| Workers / employees | Human - inhalation | Long term, systemic effects | DNEL | 5,1 | mg/m3 | |
| Workers / employees | Human - inhalation | Short term, systemic effects | DNEL | 102 | mg/m3 | |
| Workers / employees | Human - dermal | Long term, systemic effects | DNEL | 2,6 | mg/kg bw/day | |

| Bronopol (INN) | | | | | | |
|---------------------|--|------------------|------------|---------|----------|------|
| Area of application | Exposure route / Environmental compartment | Effect on health | Descriptor | Value | Unit | Note |
| | Environment - freshwater | | PNEC | 0,01 | mg/l | |
| | Environment - marine | | PNEC | 0,0008 | mg/kg | |
| | Environment - sewage treatment plant | | PNEC | 0,43 | mg/l | |
| | Environment - sediment, freshwater | | PNEC | 0,041 | mg/kg dw | |
| | Environment - sediment, marine | | PNEC | 0,00328 | mg/kg dw | |

Page 10 of 29
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 14.09.2023 / 0003
 Replacing version dated / version: 16.09.2022 / 0002
 Valid from: 14.09.2023
 PDF print date: 14.09.2023
 Active Foam X-mas
 Art.: 293999

| | | | | | | |
|---------------------|---|------------------------------|------|--------|--------------|--|
| | Environment - soil | | PNEC | 0,5 | mg/kg dw | |
| | Environment - sporadic (intermittent) release | | PNEC | 0,0025 | mg/l | |
| Consumer | Human - inhalation | Long term, systemic effects | DNEL | 0,6 | mg/m3 | |
| Consumer | Human - inhalation | Long term, local effects | DNEL | 0,6 | mg/m3 | |
| Consumer | Human - dermal | Long term, systemic effects | DNEL | 0,7 | mg/kg bw/day | |
| Consumer | Human - oral | Long term, systemic effects | DNEL | 0,18 | mg/kg bw/day | |
| Consumer | Human - dermal | Long term, local effects | DNEL | 0,004 | mg/cm2 | |
| Consumer | Human - dermal | Short term, local effects | DNEL | 0,004 | mg/cm2 | |
| Consumer | Human - dermal | Short term, systemic effects | DNEL | 2,1 | mg/kg bw/day | |
| Consumer | Human - inhalation | Short term, local effects | DNEL | 0,6 | mg/m3 | |
| Consumer | Human - oral | Short term, systemic effects | DNEL | 0,5 | mg/kg bw/day | |
| Workers / employees | Human - inhalation | Short term, systemic effects | DNEL | 10,5 | mg/m3 | |
| Workers / employees | Human - inhalation | Short term, local effects | DNEL | 2,5 | mg/m3 | |
| Workers / employees | Human - dermal | Short term, systemic effects | DNEL | 6 | mg/kg bw/day | |
| Workers / employees | Human - dermal | Long term, local effects | DNEL | 0,008 | mg/cm2 | |
| Workers / employees | Human - dermal | Short term, local effects | DNEL | 0,008 | mg/cm2 | |
| Workers / employees | Human - inhalation | Long term, systemic effects | DNEL | 3,5 | mg/m3 | |
| Workers / employees | Human - inhalation | Long term, local effects | DNEL | 2,5 | mg/m3 | |
| Workers / employees | Human - dermal | Long term, systemic effects | DNEL | 2 | mg/kg bw/day | |

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

| Area of application | Exposure route / Environmental compartment | Effect on health | Descriptor | Value | Unit | Note |
|---------------------|--|------------------------------|------------|---------|------------|------|
| | Environment - freshwater | | PNEC | 0,00339 | mg/l | |
| | Environment - marine | | PNEC | 0,00339 | mg/l | |
| | Environment - sediment, freshwater | | PNEC | 0,027 | mg/kg dw | |
| | Environment - sediment, marine | | PNEC | 0,027 | mg/kg dw | |
| | Environment - soil | | PNEC | 0,01 | mg/kg dw | |
| | Environment - sewage treatment plant | | PNEC | 0,23 | mg/l | |
| | Environment - water, sporadic (intermittent) release | | PNEC | 0,00339 | mg/l | |
| Consumer | Human - oral | Short term, systemic effects | DNEL | 0,11 | mg/kg bw/d | |
| Consumer | Human - inhalation | Long term, local effects | DNEL | 0,02 | mg/m3 | |
| Consumer | Human - inhalation | Short term, local effects | DNEL | 0,04 | mg/m3 | |

Page 11 of 29
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 14.09.2023 / 0003
 Replacing version dated / version: 16.09.2022 / 0002
 Valid from: 14.09.2023
 PDF print date: 14.09.2023
 Active Foam X-mas
 Art.: 293999

| | | | | | | |
|---------------------|--------------------|-----------------------------|------|------|------------|--|
| Consumer | Human - oral | Long term, systemic effects | DNEL | 0,09 | mg/kg bw/d | |
| Workers / employees | Human - inhalation | Long term, local effects | DNEL | 0,02 | mg/m3 | |
| Workers / employees | Human - inhalation | Short term, local effects | DNEL | 0,04 | mg/m3 | |

8.2 Exposure controls

8.2.1 Appropriate engineering controls

8.2.2 Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection:

Tight fitting protective goggles with side protection (EN 166).

Skin protection - Hand protection:

Chemical resistant protective gloves (EN ISO 374).

If applicable

Rubber gloves (EN ISO 374).

Protective gloves in butyl rubber (EN ISO 374).

Protective Neoprene® / polychloroprene gloves (EN ISO 374).

Protective nitrile gloves (EN ISO 374).

Minimum layer thickness in mm:

0,5

Permeation time (penetration time) in minutes:

480

The breakthrough times determined in accordance with EN 16523-1 were not obtained under practical conditions.

The recommended maximum wearing time is 50% of breakthrough time.

Protective hand cream recommended.

Skin protection - Other:

Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments).

Respiratory protection:

Normally not necessary.

Thermal hazards:

Not applicable

Additional information on hand protection - No tests have been performed.

In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents.

Selection of materials derived from glove manufacturer's indications.

Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account.

Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.

In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use.

The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

8.2.3 Environmental exposure controls

No information available at present.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:

Liquid

Colour:

Yellow

Page 12 of 29
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 14.09.2023 / 0003
 Replacing version dated / version: 16.09.2022 / 0002
 Valid from: 14.09.2023
 PDF print date: 14.09.2023
 Active Foam X-mas
 Art.: 293999

| | |
|---|--|
| Odour: | Characteristic |
| Melting point/freezing point: | There is no information available on this parameter. |
| Boiling point or initial boiling point and boiling range: | There is no information available on this parameter. |
| Flammability: | There is no information available on this parameter. |
| Lower explosion limit: | There is no information available on this parameter. |
| Upper explosion limit: | There is no information available on this parameter. |
| Flash point: | There is no information available on this parameter. |
| Auto-ignition temperature: | There is no information available on this parameter. |
| Decomposition temperature: | There is no information available on this parameter. |
| pH: | 8,5 |
| Kinematic viscosity: | There is no information available on this parameter. |
| Solubility: | There is no information available on this parameter. |
| Partition coefficient n-octanol/water (log value): | Does not apply to mixtures. |
| Vapour pressure: | There is no information available on this parameter. |
| Density and/or relative density: | There is no information available on this parameter. |
| Relative vapour density: | There is no information available on this parameter. |
| Particle characteristics: | Does not apply to liquids. |
| 9.2 Other information | |
| Explosives: | Product is not explosive. |
| Oxidising liquids: | No |

SECTION 10: Stability and reactivity

10.1 Reactivity

The product has not been tested.

10.2 Chemical stability

Stable with proper storage and handling.

10.3 Possibility of hazardous reactions

No dangerous reactions are known.

10.4 Conditions to avoid

None known

10.5 Incompatible materials

Avoid contact with strong oxidizing agents.

Avoid contact with strong acids.

10.6 Hazardous decomposition products

No decomposition when used as directed.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Possibly more information on health effects, see Section 2.1 (classification).

Active Foam X-mas

Art.: 293999

| Toxicity / effect | Endpoint | Value | Unit | Organism | Test method | Notes |
|------------------------------------|----------|-------|------|----------|-------------|--------|
| Acute toxicity, by oral route: | | | | | | n.d.a. |
| Acute toxicity, by dermal route: | | | | | | n.d.a. |
| Acute toxicity, by inhalation: | | | | | | n.d.a. |
| Skin corrosion/irritation: | | | | | | n.d.a. |
| Serious eye damage/irritation: | | | | | | n.d.a. |
| Respiratory or skin sensitisation: | | | | | | n.d.a. |
| Germ cell mutagenicity: | | | | | | n.d.a. |
| Carcinogenicity: | | | | | | n.d.a. |
| Reproductive toxicity: | | | | | | n.d.a. |

Page 13 of 29
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 14.09.2023 / 0003
 Replacing version dated / version: 16.09.2022 / 0002
 Valid from: 14.09.2023
 PDF print date: 14.09.2023
 Active Foam X-mas
 Art.: 293999

| | | | | | | |
|---|--|--|--|--|--|--------|
| Specific target organ toxicity - single exposure (STOT-SE): | | | | | | n.d.a. |
| Specific target organ toxicity - repeated exposure (STOT-RE): | | | | | | n.d.a. |
| Aspiration hazard: | | | | | | n.d.a. |
| Symptoms: | | | | | | n.d.a. |

| Sulfonic acids, C14-17-sec-alkane, sodium salts | | | | | | |
|---|----------|-----------|-------|------------------------|--|-----------------------------------|
| Toxicity / effect | Endpoint | Value | Unit | Organism | Test method | Notes |
| Acute toxicity, by oral route: | LD50 | >500-2000 | mg/kg | Rat | OECD 401 (Acute Oral Toxicity) | |
| Acute toxicity, by dermal route: | LD50 | >2000 | mg/kg | Mouse | | Analogous conclusion |
| Skin corrosion/irritation: | | | | Rabbit | OECD 404 (Acute Dermal Irritation/Corrosion) | Skin Irrit. 2 |
| Serious eye damage/irritation: | | >15 | % | Rabbit | OECD 405 (Acute Eye Irritation/Corrosion) | Eye Dam. 1 |
| Serious eye damage/irritation: | | >10 | % | | | Eye Irrit. 2 |
| Respiratory or skin sensitisation: | | | | Guinea pig | OECD 406 (Skin Sensitisation) | No (skin contact) |
| Germ cell mutagenicity: | | | | Salmonella typhimurium | OECD 471 (Bacterial Reverse Mutation Test) | Negative |
| Carcinogenicity: | | | | Rat | | Negative 2 years |
| Reproductive toxicity: | | 200 | mg/kg | Rat | | No indications of such an effect. |

| Alcohols, C12-14, ethoxylated, sulfates, sodium salts | | | | | | |
|---|----------|-------|-------|------------------------|---|-------------------|
| Toxicity / effect | Endpoint | Value | Unit | Organism | Test method | Notes |
| Acute toxicity, by oral route: | LD50 | 4100 | mg/kg | Rat | OECD 401 (Acute Oral Toxicity) | |
| Acute toxicity, by dermal route: | LD50 | >2000 | mg/kg | Rat | OECD 402 (Acute Dermal Toxicity) | |
| Skin corrosion/irritation: | | | | Rabbit | OECD 404 (Acute Dermal Irritation/Corrosion) | Skin Irrit. 2 |
| Serious eye damage/irritation: | | >=10 | % | Rabbit | OECD 405 (Acute Eye Irritation/Corrosion) | Eye Dam. 1 |
| Serious eye damage/irritation: | | >=5 | % | Rabbit | OECD 405 (Acute Eye Irritation/Corrosion) | Eye Irrit. 2 |
| Respiratory or skin sensitisation: | | | | Guinea pig | OECD 406 (Skin Sensitisation) | No (skin contact) |
| Germ cell mutagenicity: | | | | Salmonella typhimurium | OECD 471 (Bacterial Reverse Mutation Test) | Negative |
| Germ cell mutagenicity: | | | | Mouse | OECD 475 (Mammalian Bone Marrow Chromosome Aberration Test) | Negative |
| Germ cell mutagenicity: | | | | Mouse | OECD 476 (In Vitro Mammalian Cell Gene Mutation Test) | Negative |

Page 14 of 29
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 14.09.2023 / 0003
 Replacing version dated / version: 16.09.2022 / 0002
 Valid from: 14.09.2023
 PDF print date: 14.09.2023
 Active Foam X-mas
 Art.: 293999

| | | | | | | |
|---|-------|-------|-------|-----|--|------------------------------------|
| Reproductive toxicity: | NOAEL | >1000 | mg/kg | Rat | OECD 414 (Prenatal Developmental Toxicity Study) | Negative, References |
| Reproductive toxicity: | NOAEL | >300 | mg/kg | Rat | OECD 416 (Two-generation Reproduction Toxicity Study) | Negative, References |
| Aspiration hazard: | | | | | | No |
| Symptoms: | | | | | | mucous membrane irritation |
| Specific target organ toxicity - repeated exposure (STOT-RE), oral: | NOAEL | >225 | mg/kg | Rat | OECD 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents) | Target organ(s): liver, References |

| Sodium p-cumenesulphonate | | | | | | |
|---|-----------------|--------------|-------------|------------------------|--|------------------------------------|
| Toxicity / effect | Endpoint | Value | Unit | Organism | Test method | Notes |
| Acute toxicity, by oral route: | LD50 | >5000 | mg/kg | Rat | OECD 401 (Acute Oral Toxicity) | |
| Acute toxicity, by dermal route: | LD50 | >2000 | mg/kg | Rabbit | OECD 402 (Acute Dermal Toxicity) | |
| Acute toxicity, by inhalation: | LC50 | >5 | mg/l/4h | Rat | OECD 403 (Acute Inhalation Toxicity) | Aerosol |
| Skin corrosion/irritation: | | | | Rabbit | OECD 404 (Acute Dermal Irritation/Corrosion) | Not irritant |
| Serious eye damage/irritation: | | | | Rabbit | OECD 405 (Acute Eye Irritation/Corrosion) | Eye Irrit. 2 |
| Respiratory or skin sensitisation: | | | | Guinea pig | OECD 406 (Skin Sensitisation) | No (skin contact) |
| Germ cell mutagenicity: | | | | Mouse | OECD 474 (Mammalian Erythrocyte Micronucleus Test) | Negative |
| Germ cell mutagenicity: | | | | Salmonella typhimurium | OECD 471 (Bacterial Reverse Mutation Test) | Negative |
| Carcinogenicity: | | | | Rat | OECD 453 (Combined Chronic Toxicity/Carcinogenicity Studies) | Negative |
| Reproductive toxicity: | NOAEL | >936 | mg/kg | Rat | | |
| Reproductive toxicity (Effects on fertility): | NOAEL | 300-1000 | mg/kg bw/d | Rat | OECD 421 (Reproduction/Developmental Toxicity Screening Test) | |
| Aspiration hazard: | | | | | | n.a. |
| Specific target organ toxicity - repeated exposure (STOT-RE), oral: | NOAEL | 763-3534 | mg/kg | | OECD 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents) | |
| Specific target organ toxicity - repeated exposure (STOT-RE), oral: | NOAEL | 763 | mg/kg | Rat | | Target organ(s): heart, References |
| Specific target organ toxicity - repeated exposure (STOT-RE), dermal: | LOAEL | 1300 | mg/kg bw/d | Mouse | OECD 411 (Subchronic Dermal Toxicity - 90-day Study) | |

Page 15 of 29
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 14.09.2023 / 0003
 Replacing version dated / version: 16.09.2022 / 0002
 Valid from: 14.09.2023
 PDF print date: 14.09.2023
 Active Foam X-mas
 Art.: 293999

| | | | | | | |
|---|-------|------|-------|--|--|--|
| Specific target organ toxicity - repeated exposure (STOT-RE), dermal: | NOAEL | >440 | mg/kg | | OECD 411 (Subchronic Dermal Toxicity - 90-day Study) | |
|---|-------|------|-------|--|--|--|

| Cinnamaldehyde | | | | | | |
|------------------------------------|----------|-------|-------|-------------|--------------|--|
| Toxicity / effect | Endpoint | Value | Unit | Organism | Test method | Notes |
| Acute toxicity, by oral route: | LD50 | 2220 | mg/kg | Rat | | |
| Skin corrosion/irritation: | | | | Human being | | Irritant |
| Skin corrosion/irritation: | | | | Guinea pig | | Irritant |
| Respiratory or skin sensitisation: | | | | Guinea pig | | Sensitising (skin contact) |
| Respiratory or skin sensitisation: | | | | Human being | (Patch-Test) | Sensitising (skin contact) |
| Symptoms: | | | | | | breathing difficulties, skin afflictions |

| Eugenol | | | | | | |
|------------------------------------|----------|-------|-------|------------|--|--|
| Toxicity / effect | Endpoint | Value | Unit | Organism | Test method | Notes |
| Acute toxicity, by oral route: | LD50 | 2680 | mg/kg | Rat | | |
| Acute toxicity, by oral route: | LD50 | 2130 | mg/kg | Guinea pig | | |
| Skin corrosion/irritation: | | | | | | Mild irritant |
| Serious eye damage/irritation: | | | | Rabbit | OECD 405 (Acute Eye Irritation/Corrosion) | Eye Irrit. 2 |
| Respiratory or skin sensitisation: | | | | Mouse | OECD 429 (Skin Sensitisation - Local Lymph Node Assay) | Skin Sens. 1B |
| Symptoms: | | | | | | ataxia, respiratory distress, drowsiness, vomiting, cramps, insomnia, mucous membrane irritation, nausea |

| Benzyl benzoate | | | | | | |
|---|----------|-------|------------|------------------------|--|-------------------|
| Toxicity / effect | Endpoint | Value | Unit | Organism | Test method | Notes |
| Acute toxicity, by oral route: | LD50 | 1900 | mg/kg | Rat | | |
| Acute toxicity, by dermal route: | LD50 | 4000 | mg/kg | Rabbit | | |
| Skin corrosion/irritation: | | | | | | Mild irritant |
| Respiratory or skin sensitisation: | | | | Guinea pig | | Not sensitizing |
| Respiratory or skin sensitisation: | | | | Human being | | Not sensitizing |
| Respiratory or skin sensitisation: | | | | Mouse | OECD 429 (Skin Sensitisation - Local Lymph Node Assay) | No (skin contact) |
| Germ cell mutagenicity: | | | | Salmonella typhimurium | OECD 471 (Bacterial Reverse Mutation Test) | Negative |
| Reproductive toxicity: | NOAEL | 646 | mg/kg | Rat | | Female |
| Specific target organ toxicity - repeated exposure (STOT-RE), oral: | NOAEL | 800 | mg/kg bw/d | | | Male(90 d) |

Page 16 of 29
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 14.09.2023 / 0003
 Replacing version dated / version: 16.09.2022 / 0002
 Valid from: 14.09.2023
 PDF print date: 14.09.2023
 Active Foam X-mas
 Art.: 293999

| | | | | | | |
|---|-------|-----|------------|--|---|---|
| Specific target organ toxicity - repeated exposure (STOT-RE), dermal: | NOAEL | 781 | mg/kg bw/d | | OECD 410 (Repeated Dose Dermal Toxicity - 90-Day) | (30 d) |
| Symptoms: | | | | | | ataxia, breathing difficulties, diarrhoea, heart/circulatory disorders, headaches, cramps, gastrointestinal disturbances, dizziness, nausea and vomiting. |

| Bronopol (INN) | | | | | | |
|---|----------|---------|---------|------------|--|--|
| Toxicity / effect | Endpoint | Value | Unit | Organism | Test method | Notes |
| Acute toxicity, by oral route: | LD50 | 193-211 | mg/kg | Rat | OECD 401 (Acute Oral Toxicity) | |
| Acute toxicity, by dermal route: | LD50 | > 2000 | mg/kg | Rat | OECD 402 (Acute Dermal Toxicity) | Does not conform with EU classification. |
| Acute toxicity, by inhalation: | LC50 | >0,588 | mg/l/4h | Rat | | Aerosol |
| Skin corrosion/irritation: | | | | Rabbit | OECD 404 (Acute Dermal Irritation/Corrosion) | Irritant |
| Serious eye damage/irritation: | | | | Rabbit | (Draize-Test) | Risk of serious damage to eyes. |
| Respiratory or skin sensitisation: | | | | Guinea pig | OECD 406 (Skin Sensitisation) | Not sensitizing |
| Germ cell mutagenicity: | | | | | | Negative |
| Carcinogenicity: | | | | | | Negative |
| Specific target organ toxicity - single exposure (STOT-SE): | | | | | | May cause respiratory irritation. |
| Symptoms: | | | | | | eyes, reddened, drowsiness, coughing, mucous membrane irritation, nausea and vomiting. |

| 2-Octyl-2H-isothiazol-3-one | | | | | | |
|----------------------------------|----------|-------|---------|----------|-------------|-------------------|
| Toxicity / effect | Endpoint | Value | Unit | Organism | Test method | Notes |
| Acute toxicity, by oral route: | ATE | 125 | mg/kg | | | |
| Acute toxicity, by dermal route: | ATE | 311 | mg/kg | | | |
| Acute toxicity, by inhalation: | ATE | 0,27 | mg/l/4h | | | Dust, Mist |
| Symptoms: | | | | | | ataxia, diarrhoea |

| Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | | | | | | |
|---|----------|-------|-------|----------|-------------|-------|
| Toxicity / effect | Endpoint | Value | Unit | Organism | Test method | Notes |
| Acute toxicity, by oral route: | LD50 | 53-64 | mg/kg | Rat | | |

Page 17 of 29
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 14.09.2023 / 0003
 Replacing version dated / version: 16.09.2022 / 0002
 Valid from: 14.09.2023
 PDF print date: 14.09.2023
 Active Foam X-mas
 Art.: 293999

| | | | | | | |
|------------------------------------|------|-----------|---------|------------|--|--|
| Acute toxicity, by dermal route: | LD50 | 87 | mg/kg | Rat | OECD 402 (Acute Dermal Toxicity) | |
| Acute toxicity, by inhalation: | LC50 | 0,17-0,33 | mg/l/4h | Rat | OECD 403 (Acute Inhalation Toxicity) | Aerosol |
| Skin corrosion/irritation: | | | | Rabbit | OECD 404 (Acute Dermal Irritation/Corrosion) | Skin Corr. 1C |
| Serious eye damage/irritation: | | | | Rabbit | | Eye Dam. 1 |
| Respiratory or skin sensitisation: | | | | Guinea pig | OECD 406 (Skin Sensitisation) | Skin Sens. 1A |
| Germ cell mutagenicity: | | | | Mouse | OECD 475 (Mammalian Bone Marrow Chromosome Aberration Test) | Negative |
| Germ cell mutagenicity: | | | | Rat | OECD 486 (Unscheduled DNA Synthesis (UDS) Test with Mammalian Liver Cells In Vivo) | Negative |
| Aspiration hazard: | | | | | | No |
| Symptoms: | | | | | | diarrhoea, mucous membrane irritation, watering eyes, eyes, reddened |

11.2. Information on other hazards

| Active Foam X-mas Art.: 293999 | | | | | | |
|-----------------------------------|----------|-------|------|----------|-------------|---|
| Toxicity / effect | Endpoint | Value | Unit | Organism | Test method | Notes |
| Endocrine disrupting properties: | | | | | | Does not apply to mixtures. |
| Other information: | | | | | | No other relevant information available on adverse effects on health. |

SECTION 12: Ecological information

Possibly more information on environmental effects, see Section 2.1 (classification).

| Active Foam X-mas Art.: 293999 | | | | | | | |
|-----------------------------------|----------|------|-------|------|----------|-------------|--------|
| Toxicity / effect | Endpoint | Time | Value | Unit | Organism | Test method | Notes |
| 12.1. Toxicity to fish: | | | | | | | n.d.a. |
| 12.1. Toxicity to daphnia: | | | | | | | n.d.a. |
| 12.1. Toxicity to algae: | | | | | | | n.d.a. |

Page 18 of 29
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 14.09.2023 / 0003
 Replacing version dated / version: 16.09.2022 / 0002
 Valid from: 14.09.2023
 PDF print date: 14.09.2023
 Active Foam X-mas
 Art.: 293999

| | | | | | | | |
|--|-----|--|--|---|--|--|--|
| 12.2. Persistence and degradability: | | | | | | | The surfactant(s) contained in this mixture complies(compl y) 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. |
| 12.3. Bioaccumulative potential: | | | | | | | n.d.a. |
| 12.4. Mobility in soil: | | | | | | | n.d.a. |
| 12.5. Results of PBT and vPvB assessment | | | | | | | n.d.a. |
| 12.6. Endocrine disrupting properties: | | | | | | | Does not apply to mixtures. |
| 12.7. Other adverse effects: | | | | | | | No information available on other adverse effects on the environment. |
| Other information: | | | | | | | DOC-elimination degree(complex ing organic substance)>= 80%/28d: n.a. |
| Other information: | AOX | | | % | | | According to the recipe, contains no AOX. |

Sulfonic acids, C14-17-sec-alkane, sodium salts

| Toxicity / effect | Endpoint | Time | Value | Unit | Organism | Test method | Notes |
|-------------------------|-----------|------|-------|------|---------------------|---|-------|
| 12.1. Toxicity to fish: | NOEC/NOEL | 28d | 0,85 | mg/l | Oncorhynchus mykiss | OECD 204 (Fish, Prolonged Toxicity Test - 14-Day Study) | |
| 12.1. Toxicity to fish: | LC50 | 96h | 8,4 | mg/l | Leuciscus idus | 84/449/EEC C.1 | |

Page 19 of 29
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 14.09.2023 / 0003
 Replacing version dated / version: 16.09.2022 / 0002
 Valid from: 14.09.2023
 PDF print date: 14.09.2023
 Active Foam X-mas
 Art.: 293999

| | | | | | | | |
|--|-----------|-----|------|-------|-------------------------|--|---|
| 12.1. Toxicity to daphnia: | NOEC/NOEL | 22d | 0,36 | mg/l | Daphnia magna | OECD 202 (Daphnia sp. Acute Immobilisation Test) | |
| 12.1. Toxicity to daphnia: | EC50 | 48h | 9,81 | mg/l | Daphnia magna | OECD 202 (Daphnia sp. Acute Immobilisation Test) | |
| 12.1. Toxicity to algae: | EC50 | 72h | >61 | mg/l | Scenedesmus subspicatus | OECD 201 (Alga, Growth Inhibition Test) | |
| 12.2. Persistence and degradability: | | 34d | 96,2 | % | activated sludge | OECD 304 A (Inherent Biodegradability in Soil) | Readily biodegradable |
| 12.2. Persistence and degradability: | | 28d | 78 | % | activated sludge | OECD 301 B (Ready Biodegradability - Co2 Evolution Test) | Readily biodegradable |
| 12.2. Persistence and degradability: | | 28d | 89 | % | activated sludge | OECD 301 E (Ready Biodegradability - Modified OECD Screening Test) | Readily biodegradable |
| 12.3. Bioaccumulative potential: | Log Pow | | 0,2 | | | Regulation (EC) 440/2008 A.8 (PARTITION COEFFICIENT) | Bioaccumulation is unlikely (LogPow < 1). 20 °C |
| pH 7-8,5 | | | | | | | |
| 12.5. Results of PBT and vPvB assessment | | | | | | | No PBT substance, No vPvB substance |
| Toxicity to bacteria: | NOEC/NOEL | 16h | 600 | mg/l | Pseudomonas putida | DIN 38412 T.8 | |
| Other organisms: | NOEC/NOEL | 56d | 470 | mg/kg | Eisenia foetida | OECD 222 (Earthworm Reproduction Test (Eisenia fetida/Eisenia andrei)) | |

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

| Toxicity / effect | Endpoint | Time | Value | Unit | Organism | Test method | Notes |
|----------------------------|-----------|------|-------|------|---------------------|---|-------|
| 12.1. Toxicity to fish: | LC50 | 96h | 7,1 | mg/l | Brachydanio rerio | OECD 203 (Fish, Acute Toxicity Test) | |
| 12.1. Toxicity to fish: | NOEC/NOEL | 28d | 0,1 | mg/l | Oncorhynchus mykiss | OECD 204 (Fish, Prolonged Toxicity Test - 14-Day Study) | |
| 12.1. Toxicity to daphnia: | NOEC/NOEL | 21d | 0,27 | mg/l | Daphnia magna | OECD 211 (Daphnia magna Reproduction Test) | |

Page 20 of 29
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 14.09.2023 / 0003
 Replacing version dated / version: 16.09.2022 / 0002
 Valid from: 14.09.2023
 PDF print date: 14.09.2023
 Active Foam X-mas
 Art.: 293999

| | | | | | | | |
|--|-----------|-----|-------|------|-------------------------|---|-----------------------|
| 12.1. Toxicity to daphnia: | EC50 | 48h | 7,2 | mg/l | Daphnia magna | OECD 202 (Daphnia sp. Acute Immobilisation Test) | |
| 12.1. Toxicity to algae: | NOEC/NOEL | 96h | 0,95 | mg/l | | OECD 201 (Alga, Growth Inhibition Test) | |
| 12.1. Toxicity to algae: | EC50 | 72h | 27,7 | mg/l | Desmodesmus subspicatus | OECD 201 (Alga, Growth Inhibition Test) | |
| 12.2. Persistence and degradability: | | 28d | 95 | % | | OECD 301 E (Ready Biodegradability - Modified OECD Screening Test) | Readily biodegradable |
| 12.2. Persistence and degradability: | | 28d | >70 | % | | OECD 301 A (Ready Biodegradability - DOC Die-Away Test) | Readily biodegradable |
| 12.2. Persistence and degradability: | DOC | 28d | 100 | % | activated sludge | Regulation (EC) 440/2008 C.4-C (DETERMINATION OF 'READY' BIODEGRADABILITY - CO ₂ EVOLUTION TEST) | Readily biodegradable |
| 12.3. Bioaccumulative potential: | BCF | | -1,38 | | | | Low |
| 12.4. Mobility in soil: | Koc | | 191 | | | | calculated value |
| 12.5. Results of PBT and vPvB assessment | | | | | | | No PBT substance |
| Toxicity to bacteria: | EC50 | 16h | >10 | g/l | Pseudomonas putida | DIN 38412 T.8 | |

| Sodium p-cumenesulphonate | | | | | | | |
|--------------------------------------|-----------------|-------------|--------------|-------------|---------------------------------|--|-----------------------|
| Toxicity / effect | Endpoint | Time | Value | Unit | Organism | Test method | Notes |
| 12.1. Toxicity to fish: | LC50 | 96h | >100 | mg/l | Cyprinus caprio | OECD 203 (Fish, Acute Toxicity Test) | |
| 12.1. Toxicity to daphnia: | EC50 | 48h | >100 | mg/l | Daphnia magna | OECD 202 (Daphnia sp. Acute Immobilisation Test) | |
| 12.1. Toxicity to algae: | EC50 | 72h | >100 | mg/l | Desmodesmus subspicatus | OECD 201 (Alga, Growth Inhibition Test) | |
| 12.1. Toxicity to algae: | NOEC/NOEL | 96h | 31 | mg/l | Pseudokirchneriella subcapitata | | EPA OTS 797.1050 |
| 12.2. Persistence and degradability: | | 28d | >60 | % | activated sludge | OECD 301 B (Ready Biodegradability - Co ₂ Evolution Test) | Readily biodegradable |

Page 21 of 29
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 14.09.2023 / 0003
 Replacing version dated / version: 16.09.2022 / 0002
 Valid from: 14.09.2023
 PDF print date: 14.09.2023
 Active Foam X-mas
 Art.: 293999

| | | | | | | | |
|--|---------|----|-------|------|------------------|--|---|
| 12.3. Bioaccumulative potential: | Log Pow | | -1,1 | | | OECD 107 (Partition Coefficient (n-octanol/water) - Shake Flask Method) | Bioaccumulation is unlikely (LogPow < 1). 23 °C |
| 12.4. Mobility in soil: | | | | | | | Not to be expected |
| 12.5. Results of PBT and vPvB assessment | | | | | | | No PBT substance, No vPvB substance |
| Toxicity to bacteria: | EC10 | 3h | >1000 | mg/l | activated sludge | OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)) | |

Cinnamaldehyde

| Toxicity / effect | Endpoint | Time | Value | Unit | Organism | Test method | Notes |
|--------------------------------------|----------|------|-------|------|----------|-------------|-------|
| 12.2. Persistence and degradability: | | 14d | 91 | % | | | |

Eugenol

| Toxicity / effect | Endpoint | Time | Value | Unit | Organism | Test method | Notes |
|--------------------------------------|----------|------|-------|------|---------------------|--|-------|
| 12.1. Toxicity to fish: | LC50 | 96h | 24000 | µg/l | Pimephales promelas | | |
| 12.1. Toxicity to daphnia: | EC50 | 48h | 1,05 | mg/l | | | |
| 12.1. Toxicity to algae: | EC50 | 72h | 23 | mg/l | | | |
| 12.2. Persistence and degradability: | | 28d | 97 | % | | OECD 301 F (Ready Biodegradability - Manometric Respirometry Test) | |
| 12.3. Bioaccumulative potential: | Log Pow | | 2,27 | | | | |

Benzyl benzoate

| Toxicity / effect | Endpoint | Time | Value | Unit | Organism | Test method | Notes |
|----------------------------|-----------|------|-------|------|---------------------|--|-------|
| 12.1. Toxicity to fish: | LC50 | 96h | 2,32 | mg/l | Brachydanio rerio | Regulation (EC) 440/2008 C.1 (ACUTE TOXICITY FOR FISH) | |
| 12.1. Toxicity to fish: | LC50 | 96h | 1,4 | mg/l | Oncorhynchus mykiss | | |
| 12.1. Toxicity to daphnia: | NOEC/NOEL | 48h | 1,73 | mg/l | Daphnia magna | OECD 202 (Daphnia sp. Acute Immobilisation Test) | |
| 12.1. Toxicity to daphnia: | LC50 | 48h | 3,09 | mg/l | Daphnia magna | OECD 202 (Daphnia sp. Acute Immobilisation Test) | |

Page 22 of 29
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 14.09.2023 / 0003
 Replacing version dated / version: 16.09.2022 / 0002
 Valid from: 14.09.2023
 PDF print date: 14.09.2023
 Active Foam X-mas
 Art.: 293999

| | | | | | | | |
|--------------------------------------|-----------|-----|--------|------|---------------------------------|---|-----------------------|
| 12.1. Toxicity to daphnia: | NOEC/NOEL | 21d | 0,258 | mg/l | Daphnia magna | Regulation (EC) 440/2008 C.20 (DAPHNIA MAGNA REPRODUCTION TEST) | |
| 12.1. Toxicity to algae: | NOEC/NOEL | 72h | 0,247 | mg/l | Pseudokirchneriella subcapitata | OECD 201 (Alga, Growth Inhibition Test) | |
| 12.1. Toxicity to algae: | EC50 | 72h | 0,475 | mg/l | Pseudokirchneriella subcapitata | OECD 201 (Alga, Growth Inhibition Test) | |
| 12.2. Persistence and degradability: | | 28d | 94 | % | activated sludge | Regulation (EC) 440/2008 C.4-D (DETERMINATION OF 'READY' BIODEGRAD. - MANOMETRIC RESPIROMETRY TEST) | Readily biodegradable |
| 12.3. Bioaccumulative potential: | Log Pow | | 3,97 | | | | Low25 °C |
| 12.3. Bioaccumulative potential: | BCF | | 193,4 | | | | LowQSAR |
| Toxicity to bacteria: | EC50 | 3h | >10000 | mg/l | activated sludge | OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)) | |

| Bronopol (INN) | | | | | | | |
|--------------------------------------|-----------------|-------------|--------------|-------------|---------------------------------|--|---|
| Toxicity / effect | Endpoint | Time | Value | Unit | Organism | Test method | Notes |
| 12.1. Toxicity to fish: | LC50 | 96h | 41,2 | mg/l | Oncorhynchus mykiss | | |
| 12.1. Toxicity to fish: | LC50 | 49d | 39,1 | mg/l | Oncorhynchus mykiss | OECD 210 (Fish, Early-Life Stage Toxicity Test) | |
| 12.1. Toxicity to daphnia: | NOEC/NOEL | 21d | 0,27 | mg/l | Daphnia magna | OECD 211 (Daphnia magna Reproduction Test) | |
| 12.1. Toxicity to daphnia: | EC50 | 48h | 1,4 | mg/l | Daphnia magna | | |
| 12.1. Toxicity to algae: | EC50 | 72h | 0,4 - 2,8 | mg/l | Pseudokirchneriella subcapitata | | |
| 12.2. Persistence and degradability: | | | 2,4 | h | | | Product may hydrolyse., Half-life 50 °C, pH 7 |
| OECD 111 | | | | | | | |
| 12.2. Persistence and degradability: | | 28d | 70-80 | % | activated sludge | OECD 301 B (Ready Biodegradability - Co2 Evolution Test) | Readily biodegradable |

Page 23 of 29
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 14.09.2023 / 0003
 Replacing version dated / version: 16.09.2022 / 0002
 Valid from: 14.09.2023
 PDF print date: 14.09.2023
 Active Foam X-mas
 Art.: 293999

| | | | | | | | |
|--|---------|-----|------|------|--------------------|--|--|
| 12.2. Persistence and degradability: | DOC | 45d | 50 | % | | OECD 302 B (Inherent Biodegradability - Zahn-Wellens/EMPA Test) | Biodegradable |
| 12.3. Bioaccumulative potential: | BCF | | 3,16 | | | | Low |
| 12.3. Bioaccumulative potential: | Log Pow | | 0,18 | | | | Not accepted due to the log Pow - value. |
| 12.4. Mobility in soil: | | | | | | | Not to be expected |
| 12.5. Results of PBT and vPvB assessment | | | | | | | No PBT substance, No vPvB substance |
| Toxicity to bacteria: | EC20 | 3h | 2 | mg/l | Pseudomonas putida | OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)) | |
| Other organisms: | LC50 | 14d | >500 | mg/l | Eisenia foetida | OECD 207 (Earthworm, Acute Toxicity Tests) | |
| Other information: | COD | | 600 | mg/g | | | |
| Other information: | Koc | | 5 | | | | |

2-Octyl-2H-isothiazol-3-one

| Toxicity / effect | Endpoint | Time | Value | Unit | Organism | Test method | Notes |
|--------------------------------------|-----------|------|----------|------|----------------------|--|---------------------------|
| 12.1. Toxicity to fish: | LC50 | 96h | 0,047 | mg/l | Oncorhynchus mykiss | | |
| 12.1. Toxicity to fish: | NOEC/NOEL | 35d | 0,0085 | mg/l | Pimephales promelas | | |
| 12.1. Toxicity to daphnia: | NOEC/NOEL | 21d | 0,003 | mg/l | Daphnia magna | OECD 202 (Daphnia sp. Acute Immobilisation Test) | |
| 12.1. Toxicity to daphnia: | EC50 | 48h | 0,32 | mg/l | Daphnia magna | | |
| 12.1. Toxicity to algae: | ErC10 | 48h | 0,000224 | mg/l | Navicula pelliculosa | OECD 201 (Alga, Growth Inhibition Test) | |
| 12.1. Toxicity to algae: | EC50 | 72h | 0,00129 | mg/l | Navicula pelliculosa | OECD 201 (Alga, Growth Inhibition Test) | |
| 12.2. Persistence and degradability: | | | 25 | % | | | Not readily biodegradable |
| Toxicity to bacteria: | EC50 | | 30,2 | mg/l | activated sludge | | |
| Toxicity to bacteria: | EC20 | 3h | 7,3 | mg/l | activated sludge | OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)) | |

Page 24 of 29
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 14.09.2023 / 0003
 Replacing version dated / version: 16.09.2022 / 0002
 Valid from: 14.09.2023
 PDF print date: 14.09.2023
 Active Foam X-mas
 Art.: 293999

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

| Toxicity / effect | Endpoint | Time | Value | Unit | Organism | Test method | Notes |
|--|-----------|------|-------------|------|----------------------------------|--|-------------------------------------|
| 12.1. Toxicity to fish: | LC50 | 96h | 0,19-0,22 | mg/l | Oncorhynchus mykiss | OECD 203 (Fish, Acute Toxicity Test) | |
| 12.1. Toxicity to fish: | NOEC/NOEL | 28d | 0,098 | mg/l | Oncorhynchus mykiss | OECD 210 (Fish, Early-Life Stage Toxicity Test) | |
| 12.1. Toxicity to daphnia: | NOEC/NOEL | 21d | 0,004 | mg/l | Daphnia magna | OECD 211 (Daphnia magna Reproduction Test) | |
| 12.1. Toxicity to daphnia: | EC50 | 48h | 0,1-0,16 | mg/l | Daphnia magna | | |
| 12.1. Toxicity to algae: | EC50 | 72h | 0,048 | mg/l | Pseudokirchnerie lla subcapitata | OECD 201 (Alga, Growth Inhibition Test) | |
| 12.1. Toxicity to algae: | NOEC/NOEL | 72h | 0,0012 | mg/l | Pseudokirchnerie lla subcapitata | OECD 201 (Alga, Growth Inhibition Test) | |
| 12.1. Toxicity to algae: | NOEC/NOEL | 48h | 0,49 | µg/l | Skeletonema costatum | OECD 201 (Alga, Growth Inhibition Test) | |
| 12.2. Persistence and degradability: | | | >60 | % | activated sludge | OECD 301 D (Ready Biodegradability - Closed Bottle Test) | Biodegradable |
| 12.3. Bioaccumulative potential: | BCF | | 3,6 | | | | calculated value |
| 12.3. Bioaccumulative potential: | Log Pow | | 0,401-0,486 | | | | Not to be expected |
| 12.5. Results of PBT and vPvB assessment | | | | | | | No PBT substance, No vPvB substance |
| Toxicity to bacteria: | EC50 | 3h | 7,92 | mg/l | activated sludge | OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)) | |

SECTION 13: Disposal considerations

13.1 Waste treatment methods

For the substance / mixture / residual amounts

EC disposal code no.:

The waste codes are recommendations based on the scheduled use of this product.

Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2014/955/EU)

20 01 29 detergents containing hazardous substances

Recommendation:

Sewage disposal shall be discouraged.

Pay attention to local and national official regulations.

E.g. suitable incineration plant.

Page 25 of 29
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 14.09.2023 / 0003
 Replacing version dated / version: 16.09.2022 / 0002
 Valid from: 14.09.2023
 PDF print date: 14.09.2023
 Active Foam X-mas
 Art.: 293999

E.g. dispose at suitable refuse site.

For contaminated packing material

Pay attention to local and national official regulations.

Empty container completely.

Uncontaminated packaging can be recycled.

Dispose of packaging that cannot be cleaned in the same manner as the substance.

15 01 02 plastic packaging

SECTION 14: Transport information

General statements

Transport by road/by rail (ADR/RID)

14.1. UN number or ID number: Not applicable

14.2. UN proper shipping name:

Not applicable

14.3. Transport hazard class(es):

Not applicable

14.4. Packing group:

Not applicable

14.5. Environmental hazards:

Not applicable

Tunnel restriction code:

Not applicable

Classification code:

Not applicable

LQ:

Not applicable

Transport category:

Not applicable

Transport by sea (IMDG-code)

14.1. UN number or ID number:

Not applicable

14.2. UN proper shipping name:

Not applicable

14.3. Transport hazard class(es):

Not applicable

14.4. Packing group:

Not applicable

14.5. Environmental hazards:

Not applicable

Marine Pollutant:

Not applicable

EmS:

Not applicable

Segregation:

Not applicable

Transport by air (IATA)

14.1. UN number or ID number:

Not applicable

14.2. UN proper shipping name:

Not applicable

14.3. Transport hazard class(es):

Not applicable

14.4. Packing group:

Not applicable

14.5. Environmental hazards:

Not applicable

14.6. Special precautions for user

Unless specified otherwise, general measures for safe transport must be followed.

14.7. Maritime transport in bulk according to IMO instruments

Non-dangerous material according to Transport Regulations.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Observe restrictions:

Comply with national regulations/laws governing the protection of young people at work (national implementation of the Directive 94/33/EC)!

Comply with national regulations/laws governing maternity protection (national implementation of the Directive 92/85/EEC)!

Comply with trade association/occupational health regulations.

Directive 2010/75/EU (VOC):

1,3 %

REGULATION (EC) No 648/2004

15 % or over but less than 30 %

anionic surfactants

Page 26 of 29
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 14.09.2023 / 0003
Replacing version dated / version: 16.09.2022 / 0002
Valid from: 14.09.2023
PDF print date: 14.09.2023
Active Foam X-mas
Art.: 293999

perfumes
CINNAMAL
EUGENOL
BENZYL BENZOATE
COUMARIN
LIMONENE
LINALOOL
CINNAMYL ALCOHOL
2-BROMO-2-NITROPROPANE-1,3-DIOL
OCTYLISOTHIAZOLINONE
METHYLCHLOROISOTHIAZOLINONE/ METHYLISOTHIAZOLINONE

Treated goods as per Regulation (EU) No. 528/2012 must display specific information on the label.
Please note Article 58 paragraph (3) subparagraph 2 of Regulation (EU) No. 528/2012.
Approval of the biocidal active substance may mean that special conditions are required for marketing the treated goods.
These are indicated in the approval of the active substance.

National requirements/regulations on safety and health protection must be applied when using work equipment.

15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

SECTION 16: Other information

Revised sections: 3, 11, 12
These details refer to the product as it is delivered.
Employee instruction/training in handling hazardous materials is required.

Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP):

| Classification in accordance with regulation (EC) No. 1272/2008 (CLP) | Evaluation method used |
|---|--|
| Skin Irrit. 2, H315 | Classification according to calculation procedure. |
| Eye Dam. 1, H318 | Classification according to calculation procedure. |
| Skin Sens. 1, H317 | Classification according to calculation procedure. |
| Aquatic Chronic 3, H412 | Classification according to calculation procedure. |

The following phrases represent the posted Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents (specified in Section 2 and 3).

H330 Fatal if inhaled.
H310 Fatal in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H301 Toxic if swallowed.
H302 Harmful if swallowed.
H311 Toxic in contact with skin.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H335 May cause respiratory irritation.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

Page 27 of 29
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 14.09.2023 / 0003
Replacing version dated / version: 16.09.2022 / 0002
Valid from: 14.09.2023
PDF print date: 14.09.2023
Active Foam X-mas
Art.: 293999

EUH071 Corrosive to the respiratory tract.

Skin Irrit. — Skin irritation
Eye Dam. — Serious eye damage
Skin Sens. — Skin sensitization
Aquatic Chronic — Hazardous to the aquatic environment - chronic
Acute Tox. — Acute toxicity - oral
Eye Irrit. — Eye irritation
Acute Tox. — Acute toxicity - dermal
Aquatic Acute — Hazardous to the aquatic environment - acute
Acute Tox. — Acute toxicity - inhalation
STOT SE — Specific target organ toxicity - single exposure - respiratory tract irritation
Skin Corr. — Skin corrosion

Key literature references and sources for data:

Regulation (EC) No 1907/2006 (REACH) and Regulation (EC) No 1272/2008 (CLP) as amended.
Guidelines for the preparation of safety data sheets as amended (ECHA).
Guidelines on labelling and packaging according to the Regulation (EC) No 1272/2008 (CLP) as amended (ECHA).
Safety data sheets for the constituent substances.
ECHA Homepage - Information about chemicals.
GESTIS Substance Database (Germany).
German Environment Agency "Rigoletto" information site on substances that are hazardous to water (Germany).
EU Occupation Exposure Limits Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164, (EU) 2019/1831, each as amended.
National Lists of Occupational Exposure Limits for each country as amended.
Regulations on the transport of hazardous goods by road, rail, sea and air (ADR, RID, IMDG, IATA) as amended.

Any abbreviations and acronyms used in this document:

acc., acc. to according, according to
ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road)
AOX Adsorbable organic halogen compounds
approx. approximately
Art., Art. no. Article number
ASTM ASTM International (American Society for Testing and Materials)
ATE Acute Toxicity Estimate
BAM Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany)
BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany)
BCF Bioconcentration factor
BSEF The International Bromine Council
bw body weight
CAS Chemical Abstracts Service
CLP Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures)
CMR carcinogenic, mutagenic, reproductive toxic
DMEL Derived Minimum Effect Level
DNEL Derived No Effect Level
DOC Dissolved organic carbon
dw dry weight
e.g. for example (abbreviation of Latin 'exempli gratia'), for instance
EbCx, EyCx, EbLx (x = 10, 50) Effect Concentration/Level of x % on reduction of the biomass (algae, plants)
EC European Community
ECHA European Chemicals Agency
ECx, ELx (x = 0, 3, 5, 10, 20, 50, 80, 100) Effect Concentration/Level for x % effect
EEC European Economic Community
EINECS European Inventory of Existing Commercial Chemical Substances
ELINCS European List of Notified Chemical Substances
EN European Norms

Page 28 of 29
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 14.09.2023 / 0003
Replacing version dated / version: 16.09.2022 / 0002
Valid from: 14.09.2023
PDF print date: 14.09.2023
Active Foam X-mas
Art.: 293999

EPA United States Environmental Protection Agency (United States of America)
ErCx, EµCx, ErLx (x = 10, 50) Effect Concentration/Level of x % on inhibition of the growth rate (algae, plants)
etc. et cetera
EU European Union
EVAL Ethylene-vinyl alcohol copolymer
Fax. Fax number
gen. general
GHS Globally Harmonized System of Classification and Labelling of Chemicals
GWP Global warming potential
Koc Adsorption coefficient of organic carbon in the soil
Kow octanol-water partition coefficient
IARC International Agency for Research on Cancer
IATA International Air Transport Association
IBC (Code) International Bulk Chemical (Code)
IMDG-code International Maritime Code for Dangerous Goods
incl. including, inclusive
IUCLID International Uniform Chemical Information Database
IUPAC International Union for Pure Applied Chemistry
LC50 Lethal Concentration to 50 % of a test population
LD50 Lethal Dose to 50% of a test population (Median Lethal Dose)
Log Koc Logarithm of adsorption coefficient of organic carbon in the soil
Log Kow, Log Pow Logarithm of octanol-water partition coefficient
LQ Limited Quantities
MARPOL International Convention for the Prevention of Marine Pollution from Ships
n.a. not applicable
n.av. not available
n.c. not checked
n.d.a. no data available
NIOSH National Institute for Occupational Safety and Health (USA)
NLP No-longer-Polymer
NOEC, NOEL No Observed Effect Concentration/Level
OECD Organisation for Economic Co-operation and Development
org. organic
OSHA Occupational Safety and Health Administration (USA)
PBT persistent, bioaccumulative and toxic
PE Polyethylene
PNEC Predicted No Effect Concentration
ppm parts per million
PVC Polyvinylchloride
REACH Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals)
REACH-IT List-No. 9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT.
RID Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International Carriage of Dangerous Goods by Rail)
SVHC Substances of Very High Concern
Tel. Telephone
TOC Total organic carbon
UN RTDG United Nations Recommendations on the Transport of Dangerous Goods
VOC Volatile organic compounds
vPvB very persistent and very bioaccumulative
wwt wet weight

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.
No responsibility.

These statements were made by:

Chemical Check GmbH, Chemical Check Platz 1-7, D-32839 Steinheim, Tel.: +49 5233 94 17 0, Fax: +49 5233 94 17 90

Page 29 of 29

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 14.09.2023 / 0003

Replacing version dated / version: 16.09.2022 / 0002

Valid from: 14.09.2023

PDF print date: 14.09.2023

Active Foam X-mas

Art.: 293999

© by Chemical Check GmbH Gefahrstoffberatung. The copying or changing of this document is forbidden except with consent of the Chemical Check GmbH Gefahrstoffberatung.