



Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)/(EU) 2020/878

MOUSSOL®-APS LV 3/3 F-15 #6341



SECTION 1: Identification of the substance/mixture and of the company/undertaking 1.1 **Product identifier** MOUSSOL®-APS LV 3/3 F-15 #6341 UFI: PEJJ-K0G8-F00Q-A6M7 1.2 Relevant identified uses of the substance or mixture and uses advised against Use of the substance/mixture Fire-extinguishing foam 1.3 Details of the supplier of the safety data sheet Manufacturer Fabrik chemischer Präparate von Dr. R. Sthamer GmbH & Co. KG Street Liebigstraße 5 Postal code/City D-22113 Hamburg Country Deutschland Telephone +49 (0)40/736168-0 Telefax +49 (0)40/736168-60 E-mail (competent person) labor@sthamer.com http://sthamer.com Website Department responsible for information Dr. Prall, +49 (0)40/736168-31 Emergency telephone number +49 (0)40/736168-0 1.4 **Emergency telephone number** GIZ-Nord Poisons Centre of the University of Göttingen +49 (0)551/19240

SECTION 2: Hazards identification

The information in this section and in all following sections (unless otherwise stated) refer to the product in the delivery condition (concentrate). The ready-to-use solutions prepared according to the dilution recommendation are to be classified differently (see Section 16).

| 2.1 | Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008 [CLP] Acute Tox 4 H302 - Eye Irrit. 2 H319 - STOT RE 2 H373 | | | | | | |
|----------|---|--------------------------|--|---|--|--|--|
| 2.2 | Label elements | | | | | | |
| | Labelling according to Regul | ation (EC) No. 1272/2008 | 3 [CLP] | | | | |
| | Hazard pictograms | | | | | | |
| | Signal word | WARNING | \checkmark \checkmark | | | | |
| | Hazard statements | H302 | Harmful if swallowed or if inhaled. | | | | |
| | | H319 | Causes serious eye irritation. | | | | |
| | | H373.8 | May cause damage to kidneys through prolo | nged or repeated exposure if swallowed. | | | |
| | Precautionary statements | P262 | Do not get in eyes, on skin, or on clothing. | | | | |
| | | P280 | Wear protective gloves/protective clothing/ey protection/ | e protection/face protection/hearing | | | |
| | | P301+P330+P331 | IF SWALLOWED: rinse mouth. Do NOT indu | uce vomiting. | | | |
| | | P303+P361+P353 | IF ON SKIN (or hair): Take off immediately a | • | | | |
| vision c | late: 05 07 2023 | | Version ⁻ V18 | Replaces: 25.05.2023 (V1) | | | |





| | | P305+P351+P338 | water [or shower]. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
|-----|-------------------------------------|-------------------------------------|---|
| | Classification procedure | On basis of test data | /Experimental data |
| 2.3 | Other hazards | | |
| | Endocrine disrupting properties | S | |
| | Preparation related information | | |
| | There are no data available on the | e mixture itself. | |
| | Information on ingredients | | |
| | 1,2-ETHANDIOL: | la su sa su da sula sula sula su di | · · · · · · · · · · · · · · · · · · · |
| | | | ing properties with respect to humans. |
| | 2-(2-BUTOXYETHOXY)ETHANC | | in a man and in a stift was a set to be up and |
| | OCTYLSULFATE: | nave endocrine disrupt | ing properties with respect to humans. |
| | | havo ondoorino disrupt | ing properties with respect to humans. |
| | DECYLSULFATE: | | ing properties with respect to numaris. |
| | | have endocrine disrunt | ing properties with respect to humans. |
| | ALKYLPOLYGLYCOSIDE: | | |
| | | have endocrine disrupt | ing properties with respect to humans. |
| | FLUOROSURFACTANT: | | |
| | This substance does not | have endocrine disrupt | ing properties with respect to humans. |
| | INGREDIENTS NOT CLASSIFIE | D AS HAZARDOUS SU | IBSTANCES: |
| | This substance does not | have endocrine disrupt | ing properties with respect to humans. |
| | | | |
| | Results of PBT and vPvB asses | sment | |
| | Preparation related information | | |
| | There are no data available on the | e mixture itself. | |
| | Information on ingredients | | |
| | 1,2-ETHANDIOL: | | |
| | | | teria of REACH, Annex XIII. |
| | 2-(2-BUTOXYETHOXY)ETHANC | | teria of REACH, Annex XIII. |
| | OCTYLSULFATE: | | |
| | | meet the PRT/vPvB crit | teria of REACH, Annex XIII. |
| | DECYLSULFATE: | | |
| | | meet the PBT/vPvB crit | teria of REACH, Annex XIII. |
| | ALKYLPOLYGLYCOSIDE: | | |
| | | meet the PBT/vPvB crit | teria of REACH, Annex XIII. |
| | FLUOROSURFACTANT: | | |
| | This substance does not | meet the PBT/vPvB crit | teria of REACH, Annex XIII. |
| | INGREDIENTS NOT CLASSIFIE | | |
| | The substances in the m | ixture do not meet the F | PBT/vPvB criteria according to REACH, annex XIII. |
| | - | | |
| | - | | or use produced according to dilution recommendations are to be classified differently. |
| | Can harm the aquatic fauna wher | | |
| | Breathing is not possible whilst su | | nt plants when entering the sewerage system. |
| | The product contains fluorosurfac | | |
| | | | to aquatic life because they greatly reduce the surface tension of water thus disrupting |
| | | | plants, for example, the necessary aeration of the sewage stages can be hindered by |
| | the strong foam formation. | a comago a daanont p | |
| | | | |
| | | | |

SECTION 3: Composition/information on ingredients

3.1 Substances

not applicable



3.2 Mixtures

1,2-ETHANDIOL CAS No.: 107-21-1 EC No.: 203-473-3 REACH No.: 01-2119456816-28-XXXX Concentration: 20 - 25% Classification according to Regulation (EC) No 1272/2008 [CLP]: GHS07-GHS08; Acute Tox. 4-STOT RE 2; H302-H373.8

2-(2-BUTOXYETHOXY)ETHANOL

CAS No.: 112-34-5 EC No.: 203-961-6 REACH No.: 01-2119475104-44-XXXX Concentration: 1 - 5% Classification according to Regulation (EC) No 1272/2008 [CLP]: GHS07; Eye Irrit. 2; H319

OCTYLSULFATE

CAS No.: 142-31-4 EC No.: 205-535-5 REACH No.: 01-2119966154-35-XXXX Concentration: 1 - 5% Classification according to Regulation (EC) No 1272/2008 [CLP]: GHS05; Skin Irrit. 2-Eye Dam. 1; H315-H318

DECYLSULFATE

CAS No.: 142-87-0 EC No.: 205-568-5 REACH No.: 01-2119970328-30-XXXX Concentration: 0,25 - 2,5% Classification according to Regulation (EC) No 1272/2008 [CLP]: GHS05-GHS07; Acute Tox. 4-Skin Irrit. 2-Eye Dam. 1-Aquatic Chronic 3; H302-H315-H318-H412

ALKYLPOLYGLYCOSIDE

CAS No.: 68515-73-1 EC No.: 500-220-1 REACH No.: 01-2119488530-36-XXXX Concentration: 1 - 5% Classification according to Regulation (EC) No 1272/2008 [CLP]: GHS05; Eye Dam. 1; H318

FLUOROSURFACTANT

Concentration: 0,1 - 1% The concentration of the raw material is below the limit value above which a substance contained in a mixture must be listed (Regulation (EU) 2020/878, Section 3.2.1, Table 1.1). The listing is voluntary as part of the customer information.

INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES

Concentration: 1 - 5% The substances are not classified as dangerous according to Regulation (EC) No. 1272/2008 [CLP].

WATER

CAS No.: 7732-18-5 Concentration: 51,5 - 75,65% The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

The product does not contain any relevant amounts of substances that are on the SVHC list.

For full text of Hazard- and EU Hazard-statements: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information



Remove contaminated, saturated clothing immediately. Wash thoroughly the body (shower or bath). Observe risk of aspiration if vomiting occurs. When in doubt or if symptoms are observed, get medical advice.

Following inhalation

Provide fresh air.

Consult a doctor immediately in the case of inhaling spray mist and show him packing or label.

In case of skin contact

Wash immediately with:: Water

After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

Following ingestion

Do NOT induce vomiting. If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Dizziness Nausea Gastrointestinal complaints

4.3 Indication of any immediate medical attention and special treatment needed

If unconscious but breathing normally, place in recovery position and seek medical advice. IF SWALLOWED: Immediately call a POISON CENTER/doctor/....

SECTION 5: Firefighting measures

5.1 Extinguishing media

The product itself does not burn.

Co-ordinate fire-fighting measures to the fire surroundings.

5.2 Special hazards arising from the substance or mixture

The product itself does not burn.

5.3 Advice for firefighters

Regardless of the admixture of a foam agent, extinguishing water can be heavily contaminated with hazardous substances due to the absorption of fire residues and should therefore, if possible, not enter the sewage system or bodies of water.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation.

6.2 Environmental precautions

Cover drains.

Do not allow to enter into soil/subsoil.

Do not allow to enter into surface water or drains.

6.3 Methods and material for containment and cleaning up

Take up mechanically, placing in appropriate containers for disposal. Treat the recovered material as prescribed in the section on waste disposal. Suitable material for taking up



Sand Sawdust Chemical binding agents, containing acids

6.4 Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8 Disposal: see section 13

SECTION 7: Handling and storage

7.1 **Precautions for safe handling** Avoid Skin contact Eye contact Wear personal protection equipment (refer to section 8). Measures to prevent fire The product is not oxidising Combustible Flammable Explosive Highly flammable No special fire protection measures are necessary. **Environmental precautions** Shafts and sewers must be protected from entry of the product. Advices on general occupational hygiene When using do not eat, drink, smoke, sniff. 7.2 Conditions for safe storage, including any incompatibilities Technical measures and storage conditions Do not store at temperatures above: +50°C Requirements for storage rooms and vessels Suitable container/equipment material Refined steel Polyethylene (PE) Unsuitable container/equipment material Aluminium Light metal Copper Zinc Alloy, containing copper Alloy, contains light metal Iron. Steel Hints on joint storage Storage class 12: non-combustible liquids that cannot be assigned to any of the above storage classes



7.3 Specific end use(s)

Fire-extinguishing foams based on synthetic surfactants Do not use for cleaning purposes.

Recommendation

Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

| | Control parameters |
|---|--|
| | Substance name: 1,2-ETHANDIOL |
| | CAS No.: 107-21-1 |
| | REACH No.: 01-2119456816-28-XXXX |
| | United Kingdom |
| | Long-term occupational exposure limit value: 20 ppm; Limit value type (country of origin): TWA (EN) |
| | short-term occupational exposure limit value: 40 ppm; Limit value type (country of origin): STEL (EN) |
| | European Union |
| | Long-term occupational exposure limit value: 20 ppm; Limit value type (country of origin): TWA (EC) |
| | short-term occupational exposure limit value: 40 ppm; Limit value type (country of origin): STEL (EC) |
| | Germany |
| | Long-term occupational exposure limit value: 10 ppm; Limit value type (country of origin): AGW (DE) |
| | short-term occupational exposure limit value: 20 ppm; Limit value type (country of origin): Peak (DE) |
| | Ireland |
| | Long-term occupational exposure limit value: 20 ppm; Limit value type (country of origin): TWA (IE) short-term occupational exposure limit value: 40 ppm; Limit value type (country of origin): STEL (IE) |
| | |
| | Substance name: 2-(2-BUTOXYETHOXY)ETHANOL |
| | CAS No.: 112-34-5 |
| | REACH No.: 01-2119475104-44-XXXX |
| | United Kingdom |
| | Long-term occupational exposure limit value: 10 ppm; Limit value type (country of origin): TWA (EN) |
| | short-term occupational exposure limit value: 15 ppm; Limit value type (country of origin): STEL (EN) |
| | European Union |
| | Long-term occupational exposure limit value: 10 ppm; Limit value type (country of origin): TWA (EC) |
| | short-term occupational exposure limit value: 15 ppm; Limit value type (country of origin): STEL (EC) |
| | Germany |
| | Long-term occupational exposure limit value: 10 ppm; Limit value type (country of origin): AGW (DE) |
| | short-term occupational exposure limit value: 15 ppm; Limit value type (country of origin): Peak (DE) Ireland |
| | Long-term occupational exposure limit value: 10 ppm; Limit value type (country of origin): TWA (IE) |
| | short-term occupational exposure limit value: 15 ppm; Limit value type (country of origin): TVV (IE) |
| | |
| 2 | Exposure controls |
| | Advices on general occupational hygiene |
| | Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500. |
| | Avoid contact with skin, eyes and clothes. |
| | Remove contaminated, saturated clothing. |
| | Wash contaminated clothing prior to re-use. |
| | Wash hands before breaks and after work. |
| | Apply skin care products after work. |
| | Eye/face protection |
| | Suitable eye protection |
| | Eye glasses with side protection |
| | goggles |
| | Goggies Face protection shield |



Recommended eye protection articles EN 166

Hand protection

Suitable gloves type Gloves with long cuffs Suitable material NBR (Nitrile rubber) Butyl caoutchouc (butyl rubber) Breakthrough time 120 min. Thickness of the glove material > 0.6 mm Recommended glove articles EN ISO 374 Breakthrough times and swelling properties of the material must be taken into consideration.

Body protection

Body protection: not required.

Respiratory protection

Usually no personal respirative protection necessary.

Environmental exposure controls

Store concentrate according to national regulations. Do not let the concentrate get into the environment. If possible, hold back the application solution and dispose of after use.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| 9.1 | In | formation on basic | ; physical a | na c | ne | emical properties | | |
|-----|----|-----------------------------|-------------------|---------|----------------|------------------------------|--------------|--------|
| | a) | Physical state | | | : | Liquid | | |
| | b) | Colour | | | : | yellow / brown | | |
| | C) | Odour | | | : | Glycol, Ether, Surfactant | | |
| | d) | Melting point/freezing po | pint | | : | -15°C | EN 1568:2018 | } |
| | e) | Boiling point or initial bo | iling point and b | ooiling | | | | |
| | | range | | | : | > 100°C | DIN 51751 | |
| | f) | Flammability | | | : | not applicable | | |
| | g) | Lower and upper explos | ion limit/flamma | bility | | | | |
| | | limit | | | : | No data available | | |
| | h) | Flash point | | | : | No flash point up to 100 °C. | | |
| | i) | Ignition temperature in °C | | : | not applicable | | | |
| | j) | Decomposition tempera | ture | | : | No data available | | |
| | k) | рН | at °C | 20 | : | 6,5 - 8,5 | DIN 19268 | |
| | I) | Viscosity | at °C | 20 | : | < 15 mm²/s | DIN 51562 | Newton |
| | | | at °C | -15 | : | < 50 mm²/s | DIN 51562 | Newton |
| | m) | Solubility | | | : | Water: completely miscible | OECD 105 | |
| | n) | Partition coefficient n-oc | tanol/water (log | | | | | |
| | | value) | | | : | not applicable | | |
| | o) | Vapour pressure | | | : | No data available | | |
| | p) | Density and/or relative | | | | | | |
| | | density | at °C | 20 | : | 1,040 - 1,080 g/ml | DIN 12791 | |
| | q) | Relative vapour density | | | : | No data available | | |
| | r) | particle characteristics | | | : | not applicable | | |
| | | | | | | | | |



| 9.2 | Other information | | | | | |
|-----|-------------------|--|---|--|--|--|
| | Inf | Information with regard to physical hazard classes | | | | |
| | a) | Explosives | : | not applicable | | |
| | b) | Explosives | : | not applicable | | |
| | C) | Aerosols | : | not applicable | | |
| | d) | Oxidising gas | : | not applicable | | |
| | e) | Gases under pressure | : | not applicable | | |
| | f) | Flammable liquids | : | not applicable | | |
| | g) | Flammable solids | : | not applicable | | |
| | h) | Self-reactive substances and mixtures | : | not applicable | | |
| | i) | Pyrophoric liquids | : | not applicable | | |
| | j) | Pyrophoric solids | : | not applicable | | |
| | k) | Self-heating substances and mixtures | : | not applicable | | |
| | I) | Substances or mixtures which, in contact with | | | | |
| | | water, emit flammable gases | : | not applicable | | |
| | m) | Oxidising liquids | : | not applicable | | |
| | n) | Oxidizing solids | : | not applicable | | |
| | 0) | Organic peroxides | : | not applicable | | |
| | p) | Corrosive to metals | : | See section 7 of the safety data sheet. | | |
| | q) | Desensitised explosives | : | not applicable | | |
| | Ot | her safety characteristics | | | | |
| | a) | Mechanical sensitivity | : | not applicable | | |
| | b) | Self-accelerating polymerisation temperature | | | | |
| | | (SAPT) | : | not applicable | | |
| | C) | formation of explosible dust/air mixtures | : | not applicable | | |
| | d) | acid/alkaline reserve | : | not applicable | | |
| | e) | Evaporation rate | : | No data available | | |
| | f) | miscibility | : | Water: completely miscible | | |
| | g) | Conductivity | : | ~ 4100 µS/cm | | |
| | h) | Corrosiveness | : | Skin corrosion/irritation: none | | |
| | | | | Serious eye damage/irritation: irritant. | | |
| | i) | gas group | : | not applicable | | |
| | j) | Redox potential | : | not applicable | | |
| | k) | radical formation potential | : | not applicable | | |
| | I) | photocatalytic properties | : | not applicable | | |
| | ٨ | lditional hazards | | | | |

Additional hazards

Breathing is not possible whilst submerged in the foam. Take care when spraying people!

SECTION 10: Stability and reactivity

Materials to avoid Alkali (lye), concentrated Alkali metals Acid, concentrated Oxidising agent, strong Reducing agent, strong Acid halides

10.2 Chemical stability

No special measures are necessary.

10.3 Possibility of hazardous reactions





| | No special measures are necessary. | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| 0.4 | Conditions to avoid | | | | | | | |
| | Do not store at temperatures above: +50°C | | | | | | | |
| 0.5 | Incompatible materials | | | | | | | |
| | See section 7. No additional measures necessary. | | | | | | | |
| 06 | Hererdeus desembesition products | | | | | | | |
| 0.0 | Hazardous decomposition products Pyrolysis products, containing fluorine | | | | | | | |
| | Fluorinated hydrocarbons | | | | | | | |
| | Hydrofluoric acid | | | | | | | |
| EC | ΓΙΟΝ 11: Toxicological information | | | | | | | |
| | | | | | | | | |
| 1.1 | Information on hazard classes as defined in Regulation (EC) No 1272/2008 a) Acute toxicity | | | | | | | |
| | Acute oral toxicity | | | | | | | |
| | Preparation related information | | | | | | | |
| | LD50 > 2000 mg/kg The acute oral toxicity is corresponding to GHS-category 5. | | | | | | | |
| | Species Rat | | | | | | | |
| | Method On basis of test data.: OECD 420 | | | | | | | |
| | Information on ingredients | | | | | | | |
| | 1,2-ETHANDIOL: | | | | | | | |
| | LD50 (7d) 2310 mg/kg ==> | | | | | | | |
| | Harmful if swallowed. (Source: ECHA database «Registered substances») | | | | | | | |
| | 2-(2-BUTOXYETHOXY)ETHANOL: | | | | | | | |
| | LD50 (14d) 5530 mg/kg ==> | | | | | | | |
| | The acute oral toxicity is corresponding to GHS-category 5. | | | | | | | |
| | (Source: ECHA database «Registered substances») | | | | | | | |
| | OCTYLSULFATE: | | | | | | | |
| | LD50 (14d) > 2000 mg/kg ==> The parts and taxisity is corresponding to CHS estagon (5) | | | | | | | |
| | The acute oral toxicity is corresponding to GHS-category 5. (Source: ECHA database «Registered substances») | | | | | | | |
| | DECYLSULFATE: | | | | | | | |
| | LD50 (14d) 1200 mg/kg ==> | | | | | | | |
| | Harmful if swallowed. | | | | | | | |
| | (Source: ECHA database «Registered substances») | | | | | | | |
| | ALKYLPOLYGLYCOSIDE: | | | | | | | |
| | LD50 (14d) > 2000 mg/kg ==> | | | | | | | |
| | The acute oral toxicity is corresponding to GHS-category 5. (Source: ECHA database «Registered substances») | | | | | | | |
| | (Source: ECHA database «registered substances») FLUOROSURFACTANT: | | | | | | | |
| | LD50 (14d) > 5000 mg/kg ==> | | | | | | | |
| | The acute oral toxicity is corresponding to GHS-category 5. | | | | | | | |
| | (Source: ECHA database «Registered substances») | | | | | | | |
| | INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES: | | | | | | | |
| | The substances are not classified as dangerous according to Regulation (EC) No. 1272/2008 [CLP]. | | | | | | | |
| | No classification in the above-mentioned hazard class (Source: Safety Data Sheet) | | | | | | | |
| | Acute dermal toxicity | | | | | | | |
| | Preparation related information | | | | | | | |
| | There are no data available on the mixture itself. | | | | | | | |
| | Information on ingredients | | | | | | | |
| | | | | | | | | |



LD50 (14d) > 3500 mg/kg ==> The acute dermal toxicity is corresponding to GHS-category 5. (Source: ECHA database «Registered substances») 2-(2-BUTOXYETHOXY)ETHANOL: LD50 (1d) 2764 mg/kg ==> The acute dermal toxicity is corresponding to GHS-category 5. (Source: ECHA database «Registered substances») OCTYLSULFATE: LD50 (14d) > 2000 mg/kg ==> The acute dermal toxicity is corresponding to GHS-category 5. (Source: ECHA database «Registered substances») DECYLSULFATE: LD50 (14d) > 2000 mg/kg ==> The acute dermal toxicity is corresponding to GHS-category 5. (Source: ECHA database «Registered substances») ALKYLPOLYGLYCOSIDE: LD50 (14d) > 2000 mg/kg ==> The acute dermal toxicity is corresponding to GHS-category 5. (Source: ECHA database «Registered substances») FLUOROSURFACTANT: LD50 (14d) > 5000 mg/kg ==> The acute dermal toxicity is corresponding to GHS-category 5. (Source: ECHA database «Registered substances») INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES: The substances are not classified as dangerous according to Regulation (EC) No. 1272/2008 [CLP]. No classification in the above-mentioned hazard class (Source: Safety Data Sheet) Acute inhalation toxicity Preparation related information There are no data available on the mixture itself. Information on ingredients 1,2-ETHANDIOL: LC50 (6h) > 2,5 mg/L ==> The acute inhalation toxicity related to vapours is corresponding to GHS-category 5. (Source: ECHA database «Registered substances») 2-(2-BUTOXYETHOXY)ETHANOL: NOEC (2h) 29 ppm ==> The acute inhalation toxicity related to vapours is corresponding to GHS-category 5. (Source: ECHA database «Registered substances») OCTYLSULFATE: No data available No information available. No classification in the above-mentioned hazard class (Source: Safety Data Sheet) DECYLSULFATE: No data available No information available. No classification in the above-mentioned hazard class (Source: Safety Data Sheet) ALKYLPOLYGLYCOSIDE: No data available No information available. No classification in the above-mentioned hazard class (Source: Safety Data Sheet) FLUOROSURFACTANT: No data available No information available. No classification in the above-mentioned hazard class (Source: Safety Data Sheet) INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES: The substances are not classified as dangerous according to Regulation (EC) No. 1272/2008 [CLP]. No classification in the above-mentioned hazard class



(Source: Safety Data Sheet)

b) Skin corrosion/irritation Preparation related information non-irritant. Species Albino rabbit Method On basis of test data .: OECD 404 Information on ingredients 1,2-ETHANDIOL: non-irritant. (Source: Safety Data Sheet) 2-(2-BUTOXYETHOXY)ETHANOL: non-irritant. (Source: Safety Data Sheet) OCTYLSULFATE: Causes skin irritation. (Source: Safety Data Sheet) DECYLSULFATE: Causes skin irritation. (Source: Safety Data Sheet) ALKYLPOLYGLYCOSIDE: non-irritant. (Source: Safety Data Sheet) FLUOROSURFACTANT: non-irritant. (Source: Safety Data Sheet) INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES: non-irritant. (Source: Safety Data Sheet) c) Serious eye damage/irritation Preparation related information Causes eye irritation. Species Albino rabbit On basis of test data .: OECD 404 Method Information on ingredients 1,2-ETHANDIOL: non-irritant. (Source: Safety Data Sheet) 2-(2-BUTOXYETHOXY)ETHANOL: Causes serious eye irritation. (Source: Safety Data Sheet) OCTYLSULFATE: Causes serious eye damage. (Source: Safety Data Sheet) DECYLSULFATE: Causes serious eye damage. (Source: Safety Data Sheet) ALKYLPOLYGLYCOSIDE: Causes serious eve damage. (Source: Safety Data Sheet) FLUOROSURFACTANT: Causes serious eye irritation. (Source: Safety Data Sheet) INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES: non-irritant. (Source: Safety Data Sheet)

d) Respiratory or skin sensitisation



Preparation related information There are no data available on the mixture itself. Information on ingredients 1,2-ETHANDIOL: not sensitisina. (Source: Safety Data Sheet) 2-(2-BUTOXYETHOXY)ETHANOL: not sensitising. (Source: Safety Data Sheet) OCTYLSULFATE: not sensitising. (Source: Safety Data Sheet) DECYLSULFATE: not sensitising. (Source: Safety Data Sheet) ALKYLPOLYGLYCOSIDE: not sensitising. (Source: Safety Data Sheet) FLUOROSURFACTANT: not sensitising. (Source: Safety Data Sheet) INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES: not sensitising. (Source: Safety Data Sheet) e) Germ cell mutagenicity Preparation related information There are no data available on the mixture itself. Information on ingredients 1,2-ETHANDIOL: No indications of human germ cell mutagenicity exist. (Source: Safety Data Sheet) 2-(2-BUTOXYETHOXY)ETHANOL: No indications of human germ cell mutagenicity exist. (Source: Safety Data Sheet) OCTYLSULFATE: No indications of human germ cell mutagenicity exist. (Source: Safety Data Sheet) DECYLSULFATE: No indications of human germ cell mutagenicity exist. (Source: Safety Data Sheet) ALKYLPOLYGLYCOSIDE: No indications of human germ cell mutagenicity exist. (Source: Safety Data Sheet) FLUOROSURFACTANT: No indications of human germ cell mutagenicity exist. (Source: Safety Data Sheet) INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES: No indications of human germ cell mutagenicity exist. (Source: Safety Data Sheet) f) Carcinogenicity Preparation related information There are no data available on the mixture itself. Information on ingredients 1.2-ETHANDIOL: No indication of human carcinogenicity. (Source: Safety Data Sheet)

2-(2-BUTOXYETHOXY)ETHANOL:



No indication of human carcinogenicity. (Source: Safety Data Sheet) OCTYLSULFATE: No indication of human carcinogenicity. (Source: Safety Data Sheet) DECYLSULFATE: No indication of human carcinogenicity. (Source: Safety Data Sheet) ALKYLPOLYGLYCOSIDE: No indication of human carcinogenicity. (Source: Safety Data Sheet) FLUOROSURFACTANT: No indication of human carcinogenicity. (Source: Safety Data Sheet) INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES: No indication of human carcinogenicity. (Source: Safety Data Sheet) g) Reproductive toxicity Preparation related information There are no data available on the mixture itself. Information on ingredients 1.2-ETHANDIOL: No indications of human reproductive toxicity exist. (Source: Safety Data Sheet) 2-(2-BUTOXYETHOXY)ETHANOL: No indications of human reproductive toxicity exist. (Source: Safety Data Sheet) OCTYLSULFATE: No indications of human reproductive toxicity exist. (Source: Safety Data Sheet) DECYLSULFATE: No indications of human reproductive toxicity exist. (Source: Safety Data Sheet) ALKYLPOLYGLYCOSIDE: No indications of human reproductive toxicity exist. (Source: Safety Data Sheet) FLUOROSURFACTANT: No indications of human reproductive toxicity exist. (Source: Safety Data Sheet) INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES: No indications of human reproductive toxicity exist. (Source: Safety Data Sheet) h) STOT-single exposure Preparation related information There are no data available on the mixture itself. Information on ingredients 1,2-ETHANDIOL: No known symptoms to date. (Source: Safety Data Sheet) 2-(2-BUTOXYETHOXY)ETHANOL: No known symptoms to date. (Source: Safety Data Sheet) OCTYLSULFATE: No known symptoms to date. (Source: Safety Data Sheet) DECYLSULFATE:

No known symptoms to date.



(Source: Safety Data Sheet) ALKYLPOLYGLYCOSIDE: No known symptoms to date. (Source: Safety Data Sheet) FLUOROSURFACTANT: No known symptoms to date. (Source: Safety Data Sheet) INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES: No known symptoms to date. (Source: Safety Data Sheet) i) STOT-repeated exposure Preparation related information There are no data available on the mixture itself. Information on ingredients 1,2-ETHANDIOL: May cause damage to kidneys through prolonged or repeated exposure if swallowed. (Source: Safety Data Sheet) 2-(2-BUTOXYETHOXY)ETHANOL: No known symptoms to date. (Source: Safety Data Sheet) OCTYLSULFATE: No known symptoms to date. (Source: Safety Data Sheet) DECYLSULFATE: No known symptoms to date. (Source: Safety Data Sheet) ALKYLPOLYGLYCOSIDE: No known symptoms to date. (Source: Safety Data Sheet) FLUOROSURFACTANT: No known symptoms to date. (Source: Safety Data Sheet) INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES: No known symptoms to date. (Source: Safety Data Sheet) j) Aspiration hazard Preparation related information There are no data available on the mixture itself. Information on ingredients 1.2-ETHANDIOL: No known symptoms to date. (Source: Safety Data Sheet) 2-(2-BUTOXYETHOXY)ETHANOL: No known symptoms to date. (Source: Safety Data Sheet) OCTYLSULFATE: No known symptoms to date. (Source: Safety Data Sheet) DECYLSULFATE: No known symptoms to date. (Source: Safety Data Sheet) ALKYLPOLYGLYCOSIDE: No known symptoms to date. (Source: Safety Data Sheet) FLUOROSURFACTANT: No known symptoms to date. (Source: Safety Data Sheet)





| | INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES: |
|------|---|
| | No known symptoms to date. |
| | (Source: Safety Data Sheet) |
| | (oblice: ballety balla officery |
| 11.2 | Information on other hazards |
| | Endocrine disrupting properties |
| | Preparation related information |
| | There are no data available on the mixture itself. |
| | Information on ingredients |
| | 1,2-ETHANDIOL: |
| | This substance does not have endocrine disrupting properties with respect to humans. |
| | (Source: Safety Data Sheet) |
| | 2-(2-BUTOXYETHOXY)ETHANOL: |
| | This substance does not have endocrine disrupting properties with respect to humans. |
| | (Source: Safety Data Sheet) |
| | OCTYLSULFATE: |
| | This substance does not have endocrine disrupting properties with respect to humans. |
| | (Source: Safety Data Sheet) |
| | DECYLSULFATE: |
| | This substance does not have endocrine disrupting properties with respect to humans. |
| | (Source: Safety Data Sheet) |
| | ALKYLPOLYGLYCOSIDE: |
| | This substance does not have endocrine disrupting properties with respect to humans. |
| | (Source: Safety Data Sheet) |
| | FLUOROSURFACTANT: |
| | This substance does not have endocrine disrupting properties with respect to humans. |
| | (Source: Safety Data Sheet) |
| | INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES: |
| | This substance does not have endocrine disrupting properties with respect to humans. |
| | (Source: Safety Data Sheet) |
| | Other information |
| | Breathing is not possible whilst submerged in the foam. Take care when spraying people! |

SECTION 12: Ecological information

12.1 Toxicity

| Acute (short-term) fish | toxicity | | | | | | | |
|---------------------------|------------|---------------|----------------------|--|--|--|--|--|
| Preparation related infor | mation | | | | | | | |
| Effective dose | LC50 | : ~ 2000 | mg/L | | | | | |
| Exposure time | | : 96 h | | | | | | |
| Species | | : Leuciscus i | dus (golden orfe) | | | | | |
| Method | | : On basis of | test data.: OECD 203 | | | | | |
| Information on ingredier | <u>its</u> | | | | | | | |
| 1,2-ETHANDIOL: | | | | | | | | |
| LC50 (96h) > 72860 mg/L | | | | | | | | |
| (Source: ECH/ | A databas | e «Registered | substances») | | | | | |
| 2-(2-BUTOXYETHOXY | ETHAN | DL: | | | | | | |
| LC50 (96hr) 1300mg/L | | | | | | | | |
| (Source: ECH/ | A databas | e «Registered | substances») | | | | | |
| OCTYLSULFATE: | | | | | | | | |
| LC50 (96h) > 1 | 00 mg/L | NOEC (96h) 1 | 00 mg/L | | | | | |
| (Source: ECH/ | A databas | e «Registered | substances») | | | | | |
| DECYLSULFATE: | | | | | | | | |
| LC50 (48h) 13 | mg/L | | | | | | | |
| (| | e «Registered | substances») | | | | | |
| ALKYLPOLYGLYCOSI | DE: | | | | | | | |
| LC50 (96h) 10 | 0,81 mg/l | - | | | | | | |
| | | | | | | | | |



| (O EC | | | | | | | | | |
|---|---|--|--|--|--|--|--|--|--|
| (Source: EC | | se «Registered substances») | | | | | | | |
| LC50 (96h) > 35 mg/L | | | | | | | | | |
| | (Source: ECHA database «Registered substances») | | | | | | | | |
| INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES: | | | | | | | | | |
| | No classification in the above-mentioned hazard class | | | | | | | | |
| | (Source: Safety Data Sheet) | | | | | | | | |
| (000.001.001 | | | | | | | | | |
| Acute (short-term) t | oxicitv to a | equatic invertebrates | | | | | | | |
| Preparation related in | - | | | | | | | | |
| Effective dose | | :~2100 mg/L | | | | | | | |
| Exposure time | 2000 | : 48 h | | | | | | | |
| Species | | : Daphnia magna (Big water flea) | | | | | | | |
| Method | | : On basis of test data.: OECD 202 | | | | | | | |
| | lionto | | | | | | | | |
| Information on ingred | lients | | | | | | | | |
| 1,2-ETHANDIOL: |) > 13900 m | | | | | | | | |
| | | w ∟ se «Registered substances») | | | | | | | |
| 2-(2-BUTOXYETHO | | c , | | | | | | | |
| EC50 (48hr | , | | | | | | | | |
| | | se «Registered substances») | | | | | | | |
| OCTYLSULFATE: | | | | | | | | | |
| | > 100 ma/L | .; NOEC (48 h) 100 mg/L | | | | | | | |
| | | se «Registered substances») | | | | | | | |
| DECYLSULFATE: | | , | | | | | | | |
| EC50 (48h) | > 100 mg/L | _ | | | | | | | |
| | | se «Registered substances») | | | | | | | |
| ALKYLPOLYGLYCC | | , | | | | | | | |
| EC50 (48h) | > 100 mg/L | - | | | | | | | |
| (Source: EC | CHA databas | se «Registered substances») | | | | | | | |
| FLUOROSURFACT | ANT: | | | | | | | | |
| EC50 (48h) | • | | | | | | | | |
| | | se «Registered substances») | | | | | | | |
| | | ED AS HAZARDOUS SUBSTANCES: | | | | | | | |
| | | above-mentioned hazard class | | | | | | | |
| (Source: Sa | fety Data Sl | heet) | | | | | | | |
| Acusto (chart torres) t | ovicity to a | lang and avenable starie | | | | | | | |
| | | algae and cyanobacteria | | | | | | | |
| Preparation related in | | | | | | | | | |
| Effective dose | EC50 | :~600 mg/L | | | | | | | |
| Exposure time | | : 72 h | | | | | | | |
| Species | | : Scenedesmus subspicatus | | | | | | | |
| Method | | : On basis of test data.: OECD 201 | | | | | | | |
| Information on ingred | <u>lients</u> | | | | | | | | |
| 1,2-ETHANDIOL: | | | | | | | | | |
| | - | /L; NOEC (96h) 479 mg/L | | | | | | | |
| | | se «Registered substances») | | | | | | | |
| 2-(2-BUTOXYETHO | , | | | | | | | | |
| EC50 (72h) | - | | | | | | | | |
| • | CHA databas | se «Registered substances») | | | | | | | |
| OCTYLSULFATE: | | | | | | | | | |
| | | .; NOEC (72h) 199 mg/L | | | | | | | |
| • | HA databas | se «Registered substances») | | | | | | | |
| DECYLSULFATE: EC50 (72b) | 861 mall . | NOEC (72h) 0.05 ma/ | | | | | | | |
| | - | NOEC (72h) 0,95 mg/L | | | | | | | |
| | | se «Registered substances») | | | | | | | |
| | טוטב. | | | | | | | | |
| F('PU) (1/2PV | 27 22 ma/l | · NOEC (72h) 6 25 mg/l | | | | | | | |
| | | .; NOEC (72h) 6,25 mg/L se «Registered substances») | | | | | | | |



| | FLUOROSURFACTA | NIT: | | | | | | | | | |
|----------|--|-----------------------------------|----------------------|-------------------|-------------------------------|--------------------|--|--|--|--|--|
| | EC50 (72h) | | | | | | | | | | |
| | | - | ed substances») | | | | | | | | |
| | (Source: ECHA database «Registered substances») INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES: | | | | | | | | | | |
| | | tion in the above-menti | | | | | | | | | |
| | (Source: Sat | ety Data Sheet) | | | | | | | | | |
| | | | | | | | | | | | |
| | Effects in sewage pl | | | | | | | | | | |
| | Preparation related in | | | | | | | | | | |
| | - | Respiratory inhibition | | - | | | | | | | |
| | 3800 mg/L | Concentration | : 100% | Dilution | : > 263 | | | | | | |
| | 126600 mg/L | ► Concentration | : 3% | Dilution | :>8 | | | | | | |
| | | On basis of test data.: | DIN 38412/part 3 (1 | TC) | | | | | | | |
| | Information on ingredi | <u>ents</u> | | | | | | | | | |
| | 1,2-ETHANDIOL: | ► 400F | | | | | | | | | |
| | |) > 1995 mg/L | ad aubatanaaa») | | | | | | | | |
| | 2-(2-BUTOXYETHO) | HA database «Register | eu substances») | | | | | | | | |
| | NOEC (0,5h | | | | | | | | | | |
| | · · | HA database «Register | ed substances») | | | | | | | | |
| | OCTYLSULFATE: | | ou ousourrooo, | | | | | | | | |
| | EC50 (3h) 1 | 35 mg/L | | | | | | | | | |
| | () | HA database «Register | ed substances») | | | | | | | | |
| | DECYLSULFATE: | · | , | | | | | | | | |
| | EC50 (3h) 135 mg/L | | | | | | | | | | |
| | (Source: ECHA database «Registered substances») | | | | | | | | | | |
| | ALKYLPOLYGLYCOSIDE: | | | | | | | | | | |
| | EC50 (6h) > 560 mg/L | | | | | | | | | | |
| | | HA database «Register | ed substances») | | | | | | | | |
| | FLUOROSURFACTANT: | | | | | | | | | | |
| | EC50 (3h) >1000 mg/L | | | | | | | | | | |
| | (Source: ECHA database «Registered substances») INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES: | | | | | | | | | | |
| | INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES: No classification in the above-mentioned hazard class | | | | | | | | | | |
| | (Source: Safety Data Sheet) | | | | | | | | | | |
| | | | | | | | | | | | |
| | The product contains fluorosurfactants that are not completely biodegradable. | | | | | | | | | | |
| | Some of the components are poorly biodegradable. | | | | | | | | | | |
| | Demeri | | | | | | | | | | |
| | Remark | | the stars and | | | | | | | | |
| | - | ons concerning effluent | liealment. | | | | | | | | |
| | Special pre-treatments are necessary. | | | | | | | | | | |
| 12.2 | Persistence and degradability | | | | | | | | | | |
| | Biodegradation | ia aogradability | | | | | | | | | |
| | Preparation related in | formation | | | | | | | | | |
| | | e (according to OECD o | riteria). | | | | | | | | |
| | Additional information | | , | factants that are | not completely biodegradable. | | | | | | |
| | Degradation rate | :~98% | | | | | | | | | |
| | Test duration | : 28 d | | | | | | | | | |
| | Analytical method | : BOD (% of | COD) | | | | | | | | |
| | Method | • | f test data.: OECD 3 | 01F | | | | | | | |
| | Туре | | logical treatment | | | | | | | | |
| | Information on ingredi | | | | | | | | | | |
| | 1,2-ETHANDIOL: | 0110 | | | | | | | | | |
| | | OECD 301A | | | | | | | | | |
| | Readily biod | | | | | | | | | | |
| | | HA database «Register | | | | | | | | | |
| ining de | | - | | ion: \/18 | | Poplaces: 25.05.20 | | | | | |



| 2-(2-BUTCXYETHON/ETHANOL: G2R2 (284) OECD 301 E Readily biodegradable (according to OECD oriteria). (Source EDIA database «Registered substances») OCTI-SULFATE SS.5% (284) OECD 301 B Readily biodegradable (according to OECD oriteria). (Source EDIA database «Registered substances») DECV SULFATE SS.1% (284) OECD 301 D Readily biodegradable (according to OECD oriteria). (Source EDIA database «Registered substances») ALXYLPAL (VAI NOSSIDE: T70% (284) OECD 301 F Not readily biodegradable (according to OECD oriteria). (Source EDIA database «Registered substances») ALXYLPAL (VAI NOSSIDE: T70% (284) OECD 301 F Not readily biodegradable (according to OECD oriteria). (Source EDIA database «Registered substances») NORDEDENTS NOT (LASSITE OAS NAZAPOLIS SUBSTANCES: > 70% (284) OECD 301 F Not readily biodegradable (according to OECD oriteria). (Source: Safety Data Sheet) Chemical oygen demand - 35000 mg '021 ► Concentration : 100% Method DIN EN 38409+141.1 = 175500 mg '021 ► Concentration : 3% Method DIN EN 1889-1 Test duration 5 d - 10830 mg '021 ► Concentration : 3% Method DIN EN 1889-1 Test duration 5 d = 25% 12.3 Biocccumulative potential There are no data available on the mixture itset. Information on ingradents 1.2.ETHANDOL: (bg Now 1.35 No indication of bioaccumulation potential. (Source: EDIA database Registered substances») 2.2.PAUTOX/ETHO/0X/ETHANOL: (bg Now 1.36 No indication of bioaccumulation potential. (Source: EDIA database Registered substances») 2.2.PAUTOX/ETHO/0X/ETHANOL: (bg Now 1.36 No indication of bioaccumulation potential. (Source: EDIA database Registered substances») 2.2.PAUTOX/ETHO/0X/ETHANOL: (bg Now 1.37 No indication of bioaccumulation potential. (Source: EDIA database Registered substances») 2.2.PAUTOX/ETHO/0X/ETHANOL: (bg Now 1.37 No indication of bioaccumulation potential. (Source: EDIA database Registered substances») 2.2.PAUTOX/ETHO/0X/ETHANOL: (bg Now 1.37 No indication of bioaccumulation potential. (Source: EDIA database Registered | | | | | | | | | | |
|--|------|---|-------------|----------|---------------|---------------|-----|--|--|--|
| Readly biodegradable (according to OECD orteria). (C)TVLS.UF.ATE: 33.9% (294) 0ECD 301 B Readly biodegradable (according to OECD orteria). (Source ECHA database of Registered substances») DECYTS.UF.ATE: 32% (300) 0ECD 301 D Readly biodegradable (according to OECD orteria). (Source ECHA database of Registered substances») ALXYLPOUR (VCSDE): 70% (284) 0ECD 301 F Readly biodegradable (according to OECD orteria). (Source: ECHA database of Registered substances») ALXYLPOUR (VCSDE): 70% (284) 0ECD 301 F Not readly biodegradable (according to OECD orteria). (Source: ECHA database of Registered substances) MOREDENTS NOT CLASSFIED AS HAZARPOUS SUBSTANCES: > 70% (284) 0ECD 301 F Readly biodegradable (according to OECD orteria). (Source: Safety Data Sheet) (Source: Safety Data Sheet) Chemical oyagen demand - 10630 mg '021. ► Concentration : 100% Method DIN EN 38409-H41-1 - 10630 mg '021. ► Concentration : 3% Method DIN EN 38409-H41-1 Bioaccumulative potential E Information of more concurrentiation potential. Sod BODSCOD ratio | | 2-(2-BUTOXYETHOXY)ETHANOL: | | | | | | | | |
| (Source ECHA database a Registered substances») COCYNSULFATE: \$3,5% (204) OECD 201 B Readily biodegradable (according to OECD orbina), (Source ECHA database a Registered substances») DECVLSULFATE: \$2% (204) OECD 201 D Readily biodegradable (according to OECD orbina), (Source ECHA database a Registered substances») ALKYLPOLYGLY (COSO) (Source ECHA database a Registered substances») ALKYLPOLYGLY (COSO) (Source ECHA database a Registered substances») ALKYLPOLYGLY (COSO) (Source ECHA database a Registered substances») FLUOROSUFFACTANT: (Source ECHA database a Registered substances») FLUOROSUFFACTANT: (Source ECHA database a Registered substances») (Source ECHA database (according to OECD orbina) (Source ECHA database a Registered substances») (Source ECHA database (according to OECD orbina) (Source ECHA database in potential. (Source ECHA database a Registered substances») 2/2 SUTXYET/TOXYET/TANNOL: (b) (Row < 3) No indication of bioaccumulation potential. (Source ECHA database a Registered substances») 0CTYLSULFATE: (b) (PW < -2.3) No indication of bioaccumulation potential. (Source ECHA database a Registered substances») 0CTYLSULFATE: (b) (PW < -2.3) No indication of bioaccumulation potential. (Source ECHA database a Registered substances») 0CTYLSULFATE: (b) (PW < -2.3) No indication of bioaccumulation potential. (Source ECHA database a Registered substances») 0CTYLSULFATE: (b) (PW < -2.3) | | | | | | | | | | |
| OCTVLSULFATE: SN: (24) OCED 301 B Pradity biodegradable (according to OECD orteria). (Source ECHA database «Registered substances») DECVLSULFATE: S2% (30) OECD 301 D Readity biodegradable (according to OECD orteria). (Source ECHA database «Registered substances») ALXYLPOV (SUC YOSDE): TW, (28) OECD 301 A Readity biodegradable (according to OECD orteria). (Source ECHA database «Registered substances») VLUORO SUPPACTANT: 0% (28) OECD 301 F Not readity biodegradable (according to OECD orteria). (Source: ECHA database «Registered substances») VUORO SUPPACTANT: 0% (28) OECD 301 F Readity biodegradable (according to OECD orteria). (Source: Safety Data Sheet) Committation: 100% Method DIN EN 38409-H41-1 - 17550 mg 'O2L ► Concentration: 100% Method - 385000 mg 'O2L ► Concentration: 100% Method - 30000 mg 'O2L ► Concentration: 100% Method - 10830 mg 'O2L ► Concentration: 100% Method DIN EN 1899-1 Test duration: 5 d BODSCOD ratio 5 d 62%< | | | | | | | | | | |
| 93.5% (290) OECD 301 B Readily biodogradable (according to OECD onteria). (Source ECHA database «Registered substances») DECVLSULFATE S28. (200) OECD 301 D Readily biodogradable (according to OECD onteria). (Source ECHA database «Registered substances») ALXYLPOLVGLYCOSDEE: (%) (280) OECD 301 A Readily biodogradable (according to OECD onteria). (%) (280) OECD 301 A Readily biodogradable (according to OECD onteria). (%) (280) OECD 301 A Readily biodogradable (according to OECD onteria). (%) (280) OECD 301 F NOREDEDENTS NOT CLASSFED AS NAZAPOUS SUBSTANCES: > 70% (280) OECD 301 Readily biodogradable (according to OECD onteria). (Source ECHA database (Registered substances») NOREDEDENTS NOT CLASSFED AS NAZAPOUS SUBSTANCES: > 70% (280) OECD 301 Readily biodogradable (according to OECD onteria). (Source ECHA database (Registered substances) Source ECHA database (Registered substances) OBOBCOD ratio 02% 12.2E Bloaccemulative potential Information on ingradiation potential. (Source ECHA database (Registered substances») O | | · · · · · · · · · · · · · · · · · · · | ubstances | ») | | | | | | |
| Readity biodegradable (according to OECD criteria). (Strume: ECHA database viRegistered substances») DECVS.ULF.ATE: 92% (300) OECD 301 D Readity biodegradable (according to OECD criteria). (Strume: ECHA database viRegistered substances») ALXYEPO/VSV1COSICE: 70% (280) OECD 301 A Readity biodegradable (according to OECD criteria). (Source: ECHA database viRegistered substances») <i>PLUDROSUPRATCTANT:</i> 0% (280) OECD 301 F Netadaty biodegradable (according to OECD criteria). (Source: ECHA database viRegistered substances.) <i>PLUDROSUPRATCTANT:</i> 0% (280) OECD 301 F Readity biodegradable (according to OECD criteria). (Source: SCHA database viRegistered substances.) <i>VORT CLASSIFED AS HAZARODUS SUBSTANCES:</i> - 70% (280) OECD 301 Readity biodegradable (according to OECD criteria). (Source: SCHA database viRegistered substances.) <i>Chemical organel demand</i> - 365000 mg 'O2L E Concentration : 100% Method DIN EN 38409-H41-1 - 10930 mg 'O2L E Concentration : 3% Method DIN EN 38409-H41-1 BobsicCOD ratio 62% Cefeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee | | | | | | | | | | |
| (Source: ECHA database «Flegisterid substances») DECYLSULFATE: 92% (30d) OECD 301 D Readily hoodsgradable (according to DECD criteria). (Source: ECHA database «Flegisterid substances») ALXYLPOL VGLYCOSIDE: T/W (28d) OECD 301 A Readily hoodsgradable (according to DECD criteria). (Source: ECHA database «Flegisterid substances») <i>ILUOROSUPE ACTANT:</i> O% (28d) OECD 301 F Notreadily hoodsgradable (according to OECD criteria). (Source: ECHA database «Flegisterid substances») <i>ILUOROSUPE ACTANT:</i> O% (28d) OECD 301 F Notreadily hoodsgradable (according to OECD criteria). (Source: ECHA database «Flegisterid substances») <i>INGEDEDENTS NOT CLASSIFIED SN HAZENOUS SUBSTANCES</i> > 70% (28d) OECD 301 Readily hoodsgradable (according to DECD criteria). (Source: ECHA database negasterid substances) Source: Obstantial oxygen demand - 17550 00 mg '02/L) Concentration : 100% Method DIN EN 38409-H44-11 - 17630 mg '02/L) Concentration : 3% Method DIN EN 1899-1 Test duration : 5 d BODStCOD ratio 5 d 62% Concentration : 3% Method DIN E | | Readily biodegradable (according to OECD criteria). | | | | | | | | |
| DECVLSULFATE: SW (304) OECD 301 D Readily biodegradable (according to DECD oriteria). (Source: ECHA database «Registered substances») ALXYEPO/VGV (2020): 70% (280) OECD 301 A Readily biodegradable (according to OECD oriteria). (Source: ECHA database «Registered substances») <i>FLUOROSLIFERACTANT:</i> 0% (280) OECD 301 F Notreadily biodegradable (according to OECD oriteria). (Source: ECHA database «Registered substances») <i>INGREDIENTS</i> NOT CLASSIFIED AS HAZAROOUS SUBSTANCES: > 70% (280) OECD 301 Readily biodegradable (according to OECD oriteria). (Source: Stately Data Sheet) Chemical oxygen demand - *108300 mg *02L ► Concentration : 100% Method DIN EN 38409-H41-1 ~17550 mg *02L ► Concentration : 3% Method DIN EN 1899-1 Test duration 5 d 62% Concentration : 3% Method DIN EN 1899-1 Test duration 5 d BODS/COD ratio Concentration : 3% Method DIN EN 1899-1 Test duration 5 d 12.2ETHANDIC: Iog Kow - 1.36 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») 2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/ | | | | | | | | | | |
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| Readity biodegradable (according to OECD criteria). (Source: ECHA database «Registered substances») ALKYLPOL YGLYCOSIDE: 70% (280) OECD 301 A Readity biodegradable (according to OECD criteria). (Source: ECHA database «Registered substances») PLUDROSURFACTANT: 0% (280) OECD 301 F Not readity biodegradable (according to OECD criteria). (Source: ECHA database «Registered substances») INGREDIENTS NOT CLASSIFIED AS MAZAROOUS SUBSTANCES: > 70% (280) OECD 301 Readity biodegradable (according to OECD criteria). (Source: Stafety Data Sheet) Chemical oxygen demand - 361000 mg *02L ► Concentration : 100% Method DIN EN 38409-H41-1 ~ 17550 mg *02L ► Concentration : 3% Method DIN EN 1899-1 Test duration 5 d - 70830 mg *02L ► Concentration : 3% Method DIN EN 1899-1 Test duration 5 d - 70830 mg *02L ► Concentration : 3% Method DIN EN 1899-1 Test duration 5 d 62% E Pageardion related information There are no data available on the mixture itset. Information on Directeding to the mixture itset. Information on Directeding to potential. (Source: ECHA database «Registered substances») 2/2/2/UTXFITMON/FIFAMANCI: Indication of bioaccumul | | | | | | | | | | |
| ALKYLPOLYGLYCOSDE: 70% (280) OECD 301 A Readily biodegradable (according to OECD criteria). (Source: ECHA database «Registered substances») FLUCROSOURFACTANT: 0% (280) OECD 301 F Not readily biodegradable (according to OECD criteria). (Source: ECHA database «Registered substances») INGREDIENTS NOT CLASSIFIED AS HAZAROUS SUBSTANCES: > 70% (280) OECD 301 F Readily biodegradable (according to OECD criteria). (Source: ECHA database «Registered substances») (Source: ECHA database (Registered substances») INGREDIENTS NOT CLASSIFIED AS HAZAROUS SUBSTANCES: > 70% (280) OECD 301 Readily biodegradable (according to OECD criteria). (Source: ECHA database (Registered substances)) INGREDIENTS NOT CLASSIFIED AS HAZAROUS SUBSTANCES: > 70% (280) OGD 000 mg 'O2L Concentration : 100% Method DIN EN 38409-H41-11 Biochemical oxygen demand - 10530 mg 'O2L Concentration : 100% Method DIN EN 1899-1 - 10830 mg 'O2L Concentration : 100% Method DIN EN 1899-1 Test duration 5 d BODS/COD ratio 62% E E 17.2 Bioaccumulative potential Information on the induce itself. Information on the induce itself. Information on ingredients 1, 2, ETHANDIOL: Ing Kow 1.36 No indication of bio | | | CD criteria |). | | | | | | |
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| Readily biodegradable (according to OECD orteria); (Source: ECHA database «Registered substances») <i>FLUOROSURFACTANT:</i> (% (283) OECD 301 F Not readily biodegradable (according to OECD orteria); (Source: ECHA database «Registered substances») <i>INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES:</i> > 70% (280) OECD 301 Readily biodegradable (according to OECD orteria); (Source: Safety Data Sheet) Chemical oxygen demand (COD) - 655000 mg 'CO2L ► Concentration : 100% Method DIN EN 38409-H41-1 - 17550 mg 'O2L ► Concentration : 3% Method DIN EN 38409-H41-1 Biochemical oxygen demand - 361000 mg 'CO2L ► Concentration : 100% Method DIN EN 1899-1 Test duration 5 d - 10830 mg 'CO2L ► Concentration : 3% Method DIN EN 1899-1 Test duration 5 d BODS/COD ratio 62% 62% 11.3 Bioaccumulative potential (Source: ECHA database «Registered substances») 2./2. <i>BUTOXYETHOXYJETHANOL:</i> log Kow - 3.0 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») 2./2. <i>BUTOXYETHOXYJETHANOL:</i> log Kow - 3 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») 0.CTYLS. <i>SULFATE:</i> log Pow + 2.31 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») 0.ECYLS. <i>SULFATE:</i> log Pow + 2.37 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») 0.ECYLS. <i>SULFATE:</i> log Pow + 2.37 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») 0.ECYLS. <i>ULFATE:</i> log Pow + 2.37 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») 0.ECYLS. <i>ULFATE:</i> log Pow + 2.37 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») 0.ECYLS. <i>ULFATE:</i> log Pow + 2.37 | | | | | | | | | | |
| (Source: ECHA database «Registered substances») FLUOROSURFACTANT: 0(% (28d) OECD 301 F Not readily biodegradable (according to OECD oriteria) (Source: ECHA database «Registered substances») WGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES: > 70% (28d) OECD 301 Readily biodegradable (according to OECD oriteria). (Source: Safety Data Sheet) Chemical oyagen demand (COD) - 588000 mg 'O2L ► Concentration : 100% Method DIN EN 38409-H41-1 - 17550 mg 'O2L ► Concentration : 3% Method DIN EN 38409-H41-1 Biochemical oxygen demand - 361000 mg 'O2L ► Concentration : 100% Method DIN EN 38409-H41-1 Biochemical oxygen demand - 301000 mg 'O2L ► Concentration : 100% Method DIN EN 1899-1 Test duration 5 d - 1030 mg 'O2L ► Concentration : 3% Method DIN EN 1899-1 Test duration 5 d BOD5/COD ratio 62% 12.3 Bioaccumulative potential Preparation related information There are no data available on the mixture itself. Information on ingredients 1.2.EFTHANDICL: log Kow - 13 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») 2/2.BUTOXYETHANCL: log Fow - 4.31 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») CCTY_SULFATE: log Pow + 7.21 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») DECYLSULFATE: log Pow + 7.22 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») DECYLSULFATE: log Pow + 7.27 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») DECYLSULFATE: log Pow + 7.27 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») DECYLSULFATE: log Pow + 7.27 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») DECYLSULFATE: log Pow + 7.27 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») DECYLSULFATE: log Pow + 7.27 No indication of bioaccumulation potential. (Source: | | | | | | | | | | |
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| Notireadly biodegradable (according to OECD oriteria) (Source: ECHA database «Registered substances») <i>NINGREDIENTS NOT CLASSIFED AS HAZARDOUS SUBSTANCES:</i> > 7/% (280) CECD 301 Readily biodegradable (according to OECD oriteria). (Source: Safety Data Sheet) Chemical oxygen demand (COD) ~ 565000 mg '02/L Concentration : 100% Method DIN EN 38409-H41-1 Interview of the text of text | | | | | | | | | | |
| (Source: ÉCHA database «Registered substances») NGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES: > 70% (280) QECD 301 Readily biodegradable (according to OECD criteria). (Source: Safety Data Sheet) Chemical oxygen demand (COD) - 565000 mg *02/L ► Concentration : 100% Method DIN EN 38409-H41.1 - 17550 mg *02/L ► Concentration : 3% Method DIN EN 38409-H41.1 - 17550 mg *02/L ► Concentration : 100% Method DIN EN 38409-H41.1 - 17550 mg *02/L ► Concentration : 100% Method DIN EN 1899-1 Test duration 5 d - 10830 mg *02/L ► Concentration : 100% Method DIN EN 1899-1 Test duration 5 d - 10830 mg *02/L ► Concentration : 3% Method DIN EN 1899-1 Test duration 5 d - 10830 mg *02/L ► Concentration : 3% Method DIN EN 1899-1 Test duration 5 d 62% 12.3 Bioaccumulative potential Preparation related information There are no data available on the mixture itself. Information on ingredients 1,2.ETHAND/OL: log Kow < 3 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») 2/2.BUTOXYETHOXYD_ITHANOL: log Kow < 3 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») OCTVLSULFATE: log Pow < 2.31 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») DECYLSULFATE: log Pow < 1.72 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») DECYLSULFATE: log Pow < 1.72 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») DECYLSULFATE: log Pow < 1.72 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») DECYLSULFATE: log Pow < 1.72 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») DECYLSULFATE: log Pow < 1.72 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») DECYLSULFATE: log Pow < 1.72 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») DECYLSULF | | | DECD crite | eria) | | | | | | |
| >70% (28d) OECD 301 Readily biodegradable (according to OECD criteria). (Source: Safety Data Sheet) Chemical oyzgen demand (COD) -565000 mg '02/L ► Concentration : 100% Method DIN EN 38409-H41-1 -17550 mg '02/L ► Concentration : 3% Method DIN EN 38409-H41-1 Biochemical oyzgen demand -361000 mg '02/L ► Concentration : 100% Method DIN EN 1899-1 Test duration 5 d - 10830 mg '02/L ► Concentration : 3% Method DIN EN 1899-1 Test duration 5 d - 10830 mg '02/L ► Concentration : 3% Method DIN EN 1899-1 Test duration 5 d BODS/COD ratio 62% 12.3 Bioaccumulative potential Preparation related information There are no data available on the mixture itself. Information on tipacecumulation potential. (Source: ECHA database «Registered substances») 2/2/2/JUTOXYETHAVOL: Ing Row < 2.31 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») OCTY.SULFATE: Ing Pow < 2.31 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») DECYLSULFATE: Ing Pow < 2.31 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») DECYLSULFATE: Ing Pow < 2.31 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») DECYLSULFATE: Ing Pow < 2.31 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») | | | | | | | | | | |
| Readily biodegradable (according to OECD criteria). (Source: Safety Data Sheet) Chemical oyxgen demand (COD) ~585000 mg '02/L ► Concentration : 100% Method DIN EN 38409-H41-1 ~17550 mg '02/L ► Concentration : 3% Method DIN EN 38409-H41-1 Biochemical oxygen demand ~381000 mg '02/L ► Concentration : 100% Method DIN EN 1899-1 Test duration 5 d ~10830 mg '02/L ► Concentration : 3% Method DIN EN 1899-1 Test duration 5 d BOD5/COD ratio 62% Preparation related information There are no data available on the mixture itself. Information on ingredients 1.2-ETHANDIOL: log Kow <1.35 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») 2/2-BUTOXYETHOXY/ETHANOL: log Kow <2.31 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») CCTV.SULFATE: log Pow <2.31 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») DECYLSULFATE: log Pow <2.31 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») DECYLSULFATE: | | INGREDIENTS NOT CLASSIFIED AS HAZARDO | OUS SUBS | STANCES: | | | | | | |
| (Source: Safety Data Sheet) Chemical oyxgen demand (COD) ~585000 mg *O2/L | | > 70% (28d) OECD 301 | | | | | | | | |
| Chemical oyxgen demand (COD) - Se85000 mg 'O2/L > Concentration : 100% Method DIN EN 38409-H41-1 - '17550 mg 'O2/L > Concentration : 3% Method DIN EN 38409-H41-1 Biochemical oxygen demand - '361000 mg 'O2/L > Concentration : 100% Method DIN EN 1899-1 Test duration 5 d - '10830 mg 'O2/L > Concentration : 3% Method DIN EN 1899-1 Test duration 5 d - '10830 mg 'O2/L > Concentration : 3% Method DIN EN 1899-1 Test duration 5 d BOD5/COD ratio 62% 21.3 Bioaccumulative potential Preparation related information There are no data available on the mixture itself. Information on ingredients 1.2-ETHANDIC: log Kow -1,36 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») 2-(2-BUTOXYETHOXYETHANOL: log Kow < 3 | | | CD criteria |). | | | | | | |
| - 585000 mg *02/L ► Concentration :: 100% Method DIN EN 38409-H41-1 - 17550 mg *02/L ► Concentration :: 3% Method DIN EN 38409-H41-1 Biochemical oxygen demand - 361000 mg *02/L ► Concentration :: 100% Method DIN EN 1899-1 Test duration 5 d - 10830 mg *02/L ► Concentration :: 3% Method DIN EN 1899-1 Test duration 5 d BODS/COD ratio 62% 12.3 Bioaccumulative potential Preparation related information There are no data available on the mixture itself. Information on ingredients 1,2-ETHANDIOL: log Kow -1,36 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») 2/2-BUTOXYETHOXYETHANOL: log Kow <3 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») DECYSULFATE: log Pow 1.72 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») DECYSULFATE: log Pow 1.72 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») DECYSULFATE: log Pow 1.72 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») DECYSULFATE: log Pow 1.72 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») DECYSULFATE: log Pow 1.72 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») DECYSULFATE: log Pow 1.72 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») DECYSULFATE: log Pow 1.72 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») DECYSULFATE: log Pow 1.72 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») ALKYLPOLYGLYCOSIDE: | | (Source: Safety Data Sheet) | | | | | | | | |
| - 585000 mg *02/L ► Concentration :: 100% Method DIN EN 38409-H41-1 - 17550 mg *02/L ► Concentration :: 3% Method DIN EN 38409-H41-1 Biochemical oxygen demand - 361000 mg *02/L ► Concentration :: 100% Method DIN EN 1899-1 Test duration 5 d - 10830 mg *02/L ► Concentration :: 3% Method DIN EN 1899-1 Test duration 5 d BODS/COD ratio 62% 12.3 Bioaccumulative potential Preparation related information There are no data available on the mixture itself. Information on ingredients 1,2-ETHANDIOL: log Kow -1,36 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») 2/2-BUTOXYETHOXYETHANOL: log Kow <3 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») DECYSULFATE: log Pow 1.72 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») DECYSULFATE: log Pow 1.72 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») DECYSULFATE: log Pow 1.72 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») DECYSULFATE: log Pow 1.72 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») DECYSULFATE: log Pow 1.72 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») DECYSULFATE: log Pow 1.72 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») DECYSULFATE: log Pow 1.72 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») DECYSULFATE: log Pow 1.72 No indication of bioaccumulation potential. (Source: ECHA database «Registered substances») ALKYLPOLYGLYCOSIDE: | | Chamical average domand (COD) | | | | | | | | |
| - 17550 mg '02L ► Concentration :: 3% Method DIN EN 38409-H41-1 Biochemical oxygen demand ~ 361000 mg '02L ► Concentration :: 100% Method DIN EN 1899-1 Test duration 5 d ~ 10830 mg '02L ► Concentration :: 3% Method DIN EN 1899-1 Test duration 5 d BOD5/COD ratio 62% 12.3 Bioaccumulative potential Preparation related information There are no data available on the mixture itself. Information on ingredients 1,2-ETHANDICL: | | | · 100% | Mathad | | 1 1 | | | | |
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| log Kow < 1,77 | | | | | | | | | | |
| | | log Kow < 1,77 | | | | | | | | |



| | No indication of bioaccumulation potential. |
|------|---|
| | (Source: ECHA database «Registered substances») |
| | FLUOROSURFACTANT: BCF < 5,1 |
| | No indication of bioaccumulation potential. |
| | (Source: ECHA database «Registered substances») |
| | INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES: |
| | No classification in the above-mentioned hazard class |
| | No information available. No classification in the above-mentioned hazard class |
| | (Source: Safety Data Sheet) |
| | |
| 12.4 | Mobility in soil |
| | If product enters soil, it will be mobile and may contaminate groundwater. |
| | |
| 12.5 | Results of PBT and vPvB assessment |
| | Preparation related information |
| | There are no data available on the mixture itself. |
| | Information on ingredients |
| | 1,2-ETHANDIOL: |
| | This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII. |
| | (Source: Safety Data Sheet) |
| | 2-(2-BUTOXYETHOXY)ETHANOL: |
| | This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII. |
| | (Source: Safety Data Sheet) |
| | OCTYLSULFATE: |
| | This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII. |
| | (Source: Safety Data Sheet) |
| | DECYLSULFATE: |
| | This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII. |
| | (Source: Safety Data Sheet) ALKYLPOLYGLYCOSIDE: |
| | This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII. |
| | (Source: Safety Data Sheet) |
| | FLUOROSURFACTANT: |
| | This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII. |
| | (Source: Safety Data Sheet) |
| | INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES: |
| | The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII. |
| | (Source: Safety Data Sheet) |
| | |
| 12.6 | Endocrine disrupting properties |
| | Preparation related information |
| | There are no data available on the mixture itself. |
| | Information on ingredients |
| | 1,2-ETHANDIOL: |
| | This substance does not have endocrine disrupting properties with respect to humans. |
| | (Source: Safety Data Sheet) |
| | 2-(2-BUTOXYETHOXY)ETHANOL: |
| | This substance does not have endocrine disrupting properties with respect to humans. |
| | (Source: Safety Data Sheet) |
| | OCTYLSULFATE: |
| | This substance does not have endocrine disrupting properties with respect to humans. |
| | (Source: Safety Data Sheet) DECYLSULFATE: |
| | This substance does not have endocrine disrupting properties with respect to humans. |
| | (Source: Safety Data Sheet) |
| | ALKYLPOLYGLYCOSIDE: |
| | This substance does not have endocrine disrupting properties with respect to humans. |
| | (Source: Safety Data Sheet) |
| | |



FLUOROSURFACTANT:

This substance does not have endocrine disrupting properties with respect to humans. (Source: Safety Data Sheet)

INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES:

This substance does not have endocrine disrupting properties with respect to humans. (Source: Safety Data Sheet)

12.7 Other adverse effects

The product contains fluorosurfactants that are not completely biodegradable.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste. Dispose of waste according to applicable legislation.

Waste codes/waste designations according to EWC/AVV

Waste code product

- 16 WASTES NOT OTHERWISE SPECIFIED IN THE LIST
- 1603 off-specification batches and unused products
- 160305* organic wastes containing dangerous substances

Waste code packaging

- 15 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT
- OTHERWISE SPECIFIED
- 1501 packaging (including separately collected municipal packaging waste)
- 150110* packaging containing residues of or contaminated by dangerous substances

Remark

Delivery to an approved waste disposal company.

Send to a hazardous waste incinerator facility under observation of official regulations.

SECTION 14: Transport information

14.1 UN number or ID number

none

14.2 UN proper shipping name

not applicable

14.3 Transport hazard class(es)

Land transport (ADR/RID)

No dangerous good in sense of these transport regulations.

Inland waterway craft (ADN)

No dangerous good in sense of these transport regulations.

Sea transport (IMDG)

No dangerous good in sense of these transport regulations.

Air transport (ICAO-TI / IATA-DGR)

No dangerous good in sense of these transport regulations.

14.4 Packing group

not applicable

14.5 Environmental hazards

none

Marine pollutant : No



14.6 Special precautions for user

none

14.7 Maritime transport in bulk according to IMO instruments

not applicable

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture EU legislation Regulation (EC) No. 2037/2000 concerning materials, which cause damage to the ozone layer not applicable Regulation (EU) No. 649/2012 of the European parliament and of the council concerning the export and import of dangerous chemicals not applicable Directive 96/59/EC (PCB-guideline) not applicable Regulation (EC) No. 648/2004 [Detergents regulation]

The surfactant contained in this mixture complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

Information according to 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline). Volatile organic compounds (VOC) content in percent by weight:: max. 5

Regulation (EC) No. 842/2006 on certain fluorinated greenhouse gases not applicable

Regulation (EC) No 2019/1021 [POP/PFOS-Regulation]

The product fulfills all requirements and limit values of this EU regulation. The validity of this statement refers to the assessment period from January 1st, 2021. Separate information must be obtained from the manufacturer for the time before that.

Regulation (EC) No 2020/784 [PFOA-Regulation]

The product fulfills all requirements and limit values of this EU regulation. The validity of this statement refers to the assessment period from January 1st, 2021. Separate information must be obtained from the manufacturer for the time before that.

Regulation (EC) No 2021/1297 [C9-C14-PFCA-Regulation]

The product fulfills all requirements and limit values of this EU regulation. The validity of this statement refers to the assessment period from January 1st, 2021. Separate information must be obtained from the manufacturer for the time before that.

National regulations

Störfallverordnung (12. BlmschV) This product is not classified according to StörfallV.

Water hazard class

slightly hazardous to water (WGK 1) Self-classification according to AwSV (mixture).

Annex Chemikalien-Verbotsverordnung (ChemVerbotsV) not applicable



15.2 Chemical Safety Assessment

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

SECTION 16: Other information

The product described in the Safety Data Sheet may only be used for its intended purpose. For exercises please observe the recommendations of the technical committee of BMU/LAMA. The details in this safety data sheet are based on today's stand of our knowledge and is applicable to the product with regard to appropriate safety precautions. They do not represent any guarantee of the properties of the product and do not establish any legal relationship.

Please refer to our internet website for more information. www.sthamer.com

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

Classification for the 3% application solution of MOUSSOL-APS LV 3/3 F-15 #6341:

The information in this safety data sheet only applies to the unchanged product in the delivery condition. An application solution prepared therefrom by diluting it with water as recommended usually has significantly fewer hazardous features due to the dilution principle and can even be unclassified. See also the environmental data sheet provided by us.

Full text of Hazard- and EU Hazard-statements

H302Harmful if swallowed or if inhaled.H315Causes skin and eye irritation.H318Causes serious eye damage.H319Causes serious eye irritation.H373.8May cause damage to kidneys through prolonged or repeated exposure if swallowed.H412Harmful to aquatic life with long lasting effects.

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