

# MEDIX PROFESSIONAL CONCENTRATED LAUNDRY DETERGENT UNIVERSAL DFC 111

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

**1.1 Product identifier:** MEDIX PROFESSIONAL CONCENTRATED LAUNDRY DETERGENT UNIVERSAL DFC 111

**Other means of identification:**

**UFI:** RTHQ-3PSN-K01V-0RP3

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

Relevant uses: Detergent for cleaning clothes. For professional users/industrial user only.

Uses advised against: All uses not specified in this section or in section 7.3

**1.3 Details of the supplier of the safety data sheet:**

Mexon Ltd.
266 Vasil Levski Str.
4003 Plovdiv - Bulgaria
Phone: +359 32 502 009 - Fax: +359 32 502 008
info@mexon.bg
www.mexon.bg

**1.4 Emergency telephone number:** +35932/502 009 – available during working hours (8.00 – 17.00). National Toxicology Centre, Hospital for Active Medical Treatment and Emergency Medicine "N.I.Pirogov" Phone for emergency / fax: +359 2 9154 233 E-mail: poison_centre@mail.orbitel.bg http://www.pirogov.bg

## SECTION 2: HAZARDS IDENTIFICATION **

**2.1 Classification of the substance or mixture:**

**CLP Regulation (EC) No 1272/2008:**

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

**2.2 Label elements:**

**CLP Regulation (EC) No 1272/2008:**

**Warning**



**Hazard statements:**

Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

**Precautionary statements:**

P102: Keep out of reach of children.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Supplementary information:**

Contains 2-methylisothiazol-3(2H)-one.

**UFI:** RTHQ-3PSN-K01V-0RP3

**2.3 Other hazards:**

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

*** Changes with regards to the previous version*

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

**3.1 Substance:**

- CONTINUED ON NEXT PAGE -

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Non-applicable

**3.2 Mixture:**

**Chemical description:** Aqueous solution based on surfactants, perfume and colourant.

**Components:**

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

| Identification | Chemical name/Classification | | Concentration |
|---|---|---|---|
| CAS: 68891-38-3<br>EC: 500-234-8<br>Index: Non-applicable<br>REACH: 01-2119488639-16-XXXX | **Alcohols, C12-C14, ethoxylated, sulphate, sodium salt(1)** Self-classified | | **5 - <10 %** |
| | Regulation 1272/2008 | Eye Dam. 1: H318; Skin Irrit. 2: H315 - Danger | |
| CAS: 68213-23-0<br>EC: 500-201-8<br>Index: Non-applicable<br>REACH: 01-2119489387-20-XXXX | **Alcohols, C12-18, ethoxylated (7 EO)(1)** Self-classified | | **5 - <10 %** |
| | Regulation 1272/2008 | Acute Tox. 4: H302; Eye Dam. 1: H318 - Danger | |
| CAS: 26836-07-7<br>EC: 248-024-2<br>Index: Non-applicable<br>REACH: Non-applicable | **Dodecylbenzenesulphonic acid, compound with 2-aminoethanol (1:1)(1)** Self-classified | | **1 - <5 %** |
| | Regulation 1272/2008 | Eye Dam. 1: H318; Skin Irrit. 2: H315 - Danger | |
| CAS: 1303-96-4<br>EC: 215-540-4<br>Index: 005-011-01-1<br>REACH: 01-2119490790-32-XXXX | **Disodium tetraborate decahydrate(1)** Self-classified | | **0,1 - <1 %** |
| | Regulation 1272/2008 | Eye Irrit. 2: H319; Repr. 1B: H360FD - Danger | |
| CAS: 2682-20-4<br>EC: 220-239-6<br>Index: 613-326-00-9<br>REACH: 01-2120764690-50-XXXX | **2-methylisothiazol-3(2H)-one(1)** ATP ATP13 | | **<0,1 %** |
| | Regulation 1272/2008 | Acute Tox. 2: H330; Acute Tox. 3: H301+H311; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Dam. 1: H318; Skin Corr. 1B: H314; Skin Sens. 1A: H317; EUH071 - Danger | |

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

**Other information:**

| Identification | M-factor | |
|---|---|---|
| 2-methylisothiazol-3(2H)-one<br>CAS: 2682-20-4 EC: 220-239-6 | Acute | 10 |
| | Chronic | 1 |

| Identification | Specific concentration limit |
|---|---|
| Alcohols, C12-C14, ethoxylated, sulphate, sodium salt<br>CAS: 68891-38-3<br>EC: 500-234-8 | % (w/w) >=10: Eye Dam. 1 - H318<br>5<= % (w/w) <10: Eye Irrit. 2 - H319 |
| Disodium tetraborate decahydrate<br>CAS: 1303-96-4<br>EC: 215-540-4 | % (w/w) >=8,5: Repr. 1B - H360FD |
| 2-methylisothiazol-3(2H)-one<br>CAS: 2682-20-4<br>EC: 220-239-6 | % (w/w) >=0,0015: Skin Sens. 1A - H317 |

## SECTION 4: FIRST AID MEASURES

**4.1 Description of first aid measures:**

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

**By inhalation:**

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

**By skin contact:**

May cause an allergic skin reaction. In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of changes on the skin (stinging, redness, rashes, blisters,…), seek medical advice with this Safety Data Sheet

- CONTINUED ON NEXT PAGE -

## SECTION 4: FIRST AID MEASURES (continued)

**By eye contact:**

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

**By ingestion/aspiration:**

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

**4.2 Most important symptoms and effects, both acute and delayed:**

Acute and delayed effects are indicated in sections 2 and 11.

**4.3 Indication of any immediate medical attention and special treatment needed:**

Non-applicable

## SECTION 5: FIREFIGHTING MEASURES

**5.1 Extinguishing media:**

**Suitable extinguishing media:**

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

**Unsuitable extinguishing media:**

Non-applicable

**5.2 Special hazards arising from the substance or mixture:**

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

**5.3 Advice for firefighters:**

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

**Additional provisions:**

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**6.1 Personal precautions, protective equipment and emergency procedures:**

**For non-emergency personnel:**

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

**For emergency responders:**

Wear protective equipment. Keep unprotected persons away. See section 8.

**6.2 Environmental precautions:**

it is recommended to avoid environmental spillage of both the product and its container

**6.3 Methods and material for containment and cleaning up:**

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

**6.4 Reference to other sections:**

- CONTINUED ON NEXT PAGE -

## SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

See sections 8 and 13.

## SECTION 7: HANDLING AND STORAGE

**7.1 Precautions for safe handling:**

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

**7.2 Conditions for safe storage, including any incompatibilities:**

A.- Technical measures for storage

Minimum Temp.: 5 ºC

Maximum time: 24 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

**7.3 Specific end use(s):**

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1 Control parameters:**

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

There are no applicable occupational exposure limits for the substances contained in the product

**DNEL (Workers):**

| | | Short exposure | | Long exposure | |
|---|---|---|---|---|---|
| Identification | | Systemic | Local | Systemic | Local |
| Alcohols, C12-C14, ethoxylated, sulphate, sodium salt | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| CAS: 68891-38-3 | Dermal | Non-applicable | Non-applicable | 2750 mg/kg | Non-applicable |
| EC: 500-234-8 | Inhalation | Non-applicable | Non-applicable | 175 mg/m³ | Non-applicable |
| Disodium tetraborate decahydrate | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| CAS: 1303-96-4 | Dermal | Non-applicable | Non-applicable | 316,4 mg/kg | Non-applicable |
| EC: 215-540-4 | Inhalation | Non-applicable | Non-applicable | 6,7 mg/m³ | Non-applicable |
| 2-methylisothiazol-3(2H)-one | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| CAS: 2682-20-4 | Dermal | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| EC: 220-239-6 | Inhalation | Non-applicable | 0,043 mg/m³ | Non-applicable | 0,021 mg/m³ |

**DNEL (General population):**

- CONTINUED ON NEXT PAGE -

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

| Identification | | Short exposure | | Long exposure | |
|---|---|---|---|---|---|
| | | Systemic | Local | Systemic | Local |
| Alcohols, C12-C14, ethoxylated, sulphate, sodium salt | Oral | Non-applicable | Non-applicable | 15 mg/kg | Non-applicable |
| CAS: 68891-38-3 | Dermal | Non-applicable | Non-applicable | 1650 mg/kg | Non-applicable |
| EC: 500-234-8 | Inhalation | Non-applicable | Non-applicable | 52 mg/m³ | Non-applicable |
| Disodium tetraborate decahydrate | Oral | 0,79 mg/kg | Non-applicable | 0,79 mg/kg | Non-applicable |
| CAS: 1303-96-4 | Dermal | Non-applicable | Non-applicable | 159,5 mg/kg | Non-applicable |
| EC: 215-540-4 | Inhalation | Non-applicable | Non-applicable | 3,4 mg/m³ | Non-applicable |
| 2-methylisothiazol-3(2H)-one | Oral | 0,053 mg/kg | Non-applicable | 0,027 mg/kg | Non-applicable |
| CAS: 2682-20-4 | Dermal | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| EC: 220-239-6 | Inhalation | Non-applicable | 0,043 mg/m³ | Non-applicable | 0,021 mg/m³ |

**PNEC:**

| Identification | | | | |
|---|---|---|---|---|
| Alcohols, C12-C14, ethoxylated, sulphate, sodium salt | STP | 10000 mg/L | Fresh water | 0,24 mg/L |
| CAS: 68891-38-3 | Soil | 7,5 mg/kg | Marine water | 0,024 mg/L |
| EC: 500-234-8 | Intermittent | 0,071 mg/L | Sediment (Fresh water) | 0,917 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 0,092 mg/kg |
| Disodium tetraborate decahydrate | STP | 10 mg/L | Fresh water | 2,9 mg/L |
| CAS: 1303-96-4 | Soil | 5,7 mg/kg | Marine water | 2,9 mg/L |
| EC: 215-540-4 | Intermittent | 13,7 mg/L | Sediment (Fresh water) | Non-applicable |
| | Oral | Non-applicable | Sediment (Marine water) | Non-applicable |
| 2-methylisothiazol-3(2H)-one | STP | 0,23 mg/L | Fresh water | 0,00339 mg/L |
| CAS: 2682-20-4 | Soil | 0,047 mg/kg | Marine water | 0,00339 mg/L |
| EC: 220-239-6 | Intermittent | 0,00339 mg/L | Sediment (Fresh water) | Non-applicable |
| | Oral | Non-applicable | Sediment (Marine water) | Non-applicable |

**8.2 Exposure controls:**

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|---|---|---|---|---|
|  Mandatory hand protection | Chemical protective gloves (Material: Nitrile, Breakthrough time: > 480 min, Thickness: 0.11 mm) | CE CAT III | EN ISO 21420:2020 | Replace the gloves at any sign of deterioration. |

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|---|---|---|---|---|
|  Mandatory face protection | Panoramic glasses against splash/projections. | CE CAT II | EN 166:2002<br>EN ISO 4007:2018 | Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing. |

E.- Body protection

- CONTINUED ON NEXT PAGE -

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|---|---|---|---|---|
| | Work clothing | CE CAT I | | Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994. |
| | Anti-slip work shoes | CE CAT II | EN ISO 20347:2012 | Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007 |

F.- Additional emergency measures

| Emergency measure | Standards | Emergency measure | Standards |
|---|---|---|---|
| Emergency shower | ANSI Z358-1<br>ISO 3864-1:2011, ISO 3864-4:2011 | Eyewash stations | DIN 12 899<br>ISO 3864-1:2011, ISO 3864-4:2011 |

**Environmental exposure controls:**

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

**Volatile organic compounds:**

With regard to Directive 2010/75/EU, this product has the following characteristics:

| | |
|---|---|
| V.O.C. (Supply): | 0 % weight |
| V.O.C. density at 20 ºC: | Non-applicable |
| Average carbon number: | 4 |
| Average molecular weight: | 115,15 g/mol |

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**9.1 Information on basic physical and chemical properties:**

For complete information see the product datasheet.

**Appearance:**

| | |
|---|---|
| Physical state at 20 ºC: | Liquid |
| Appearance: | Not available |
| Colour: | ☐ White |
| Odour: | Undefined |
| Odour threshold: | Non-applicable * |

**Volatility:**

| | |
|---|---|
| Boiling point at atmospheric pressure: | >100 ºC |
| Vapour pressure at 20 ºC: | 2350 Pa |
| Vapour pressure at 50 ºC: | 12380,96 Pa (12,38 kPa) |
| Evaporation rate at 20 ºC: | Non-applicable * |

**Product description:**

| | |
|---|---|
| Density at 20 ºC: | Non-applicable * |
| Relative density at 20 ºC: | 1,02 - 1,04 |
| Dynamic viscosity at 20 ºC: | Non-applicable * |
| Kinematic viscosity at 20 ºC: | Non-applicable * |
| Kinematic viscosity at 40 ºC: | Non-applicable * |

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

| | |
|---|---|
| Concentration: | Non-applicable * |
| pH: | 8 - 9 |
| Vapour density at 20 ºC: | Non-applicable * |
| Partition coefficient n-octanol/water 20 ºC: | Non-applicable * |
| Solubility in water at 20 ºC: | Non-applicable * |
| Solubility properties: | Non-applicable * |
| Decomposition temperature: | Non-applicable * |
| Melting point/freezing point: | Non-applicable * |
| **Flammability:** | |
| Flash Point: | Non Flammable (>60 ºC) |
| Flammability (solid, gas): | Non-applicable * |
| Autoignition temperature: | Non-applicable * |
| Lower flammability limit: | Non-applicable * |
| Upper flammability limit: | Non-applicable * |
| **Particle characteristics:** | |
| Median equivalent diameter: | Non-applicable |

**9.2 Other information:**

**Information with regard to physical hazard classes:**

| | |
|---|---|
| Explosive properties: | Non-applicable * |
| Oxidising properties: | Non-applicable * |
| Corrosive to metals: | Non-applicable * |
| Heat of combustion: | Non-applicable * |
| Aerosols-total percentage (by mass) of flammable components: | Non-applicable * |
| **Other safety characteristics:** | |
| Surface tension at 20 ºC: | Non-applicable * |
| Refraction index: | Non-applicable * |

*Not relevant due to the nature of the product, not providing information property of its hazards.

## SECTION 10: STABILITY AND REACTIVITY

**10.1 Reactivity:**

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

**10.2 Chemical stability:**

Chemically stable under the indicated conditions of storage, handling and use.

**10.3 Possibility of hazardous reactions:**

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

**10.4 Conditions to avoid:**

Applicable for handling and storage at room temperature:

| Shock and friction | Contact with air | Increase in temperature | Sunlight | Humidity |
|---|---|---|---|---|
| Not applicable | Not applicable | Not applicable | Avoid direct impact | Not applicable |

**10.5 Incompatible materials:**

| Acids | Water | Oxidising materials | Combustible materials | Others |
|---|---|---|---|---|
| Avoid strong acids | Not applicable | Avoid direct impact | Not applicable | Avoid alkalis or strong bases |

**10.6 Hazardous decomposition products:**

- CONTINUED ON NEXT PAGE -

## SECTION 10: STABILITY AND REACTIVITY (continued)

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide ($CO_2$), carbon monoxide and other organic compounds.

## SECTION 11: TOXICOLOGICAL INFORMATION

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

The experimental information related to the toxicological properties of the product itself is not available

**Dangerous health implications:**

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Prolonged inhalation of the product is corrosive to mucous membranes and the upper respiratory tract

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for skin contact. For more information see section 3.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Non-applicable
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

**Other information:**

Non-applicable

**Specific toxicology information on the substances:**

- CONTINUED ON NEXT PAGE -

## SECTION 11: TOXICOLOGICAL INFORMATION (continued)

| Identification | Acute toxicity | | Genus |
|---|---|---|---|
| Alcohols, C12-C14, ethoxylated, sulphate, sodium salt | LD50 oral | 4100 mg/kg | Rat |
| CAS: 68891-38-3 | LD50 dermal | Non-applicable | |
| EC: 500-234-8 | LC50 inhalation | Non-applicable | |
| Alcohols, C12-18, ethoxylated (7 EO) | LD50 oral | 500 mg/kg (ATEi) | |
| CAS: 68213-23-0 | LD50 dermal | Non-applicable | |
| EC: 500-201-8 | LC50 inhalation | Non-applicable | |
| Disodium tetraborate decahydrate | LD50 oral | 4500 mg/kg | Rat |
| CAS: 1303-96-4 | LD50 dermal | 10000 mg/kg | Rabbit |
| EC: 215-540-4 | LC50 inhalation | Non-applicable | |
| 2-methylisothiazol-3(2H)-one | LD50 oral | 120 mg/kg | Rat |
| CAS: 2682-20-4 | LD50 dermal | 242 mg/kg | Rat |
| EC: 220-239-6 | LC50 inhalation | Non-applicable | |

**11.2 Information on other hazards:**

**Endocrine disrupting properties**

Endocrine-disrupting properties: The product fails to meet the criteria.

**Other information**

Non-applicable

## SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

**12.1 Toxicity:**

**Acute toxicity:**

| Identification | Concentration | | Species | Genus |
|---|---|---|---|---|
| Alcohols, C12-C14, ethoxylated, sulphate, sodium salt | LC50 | 7,1 mg/L (96 h) | Danio rerio | Fish |
| CAS: 68891-38-3 | EC50 | 7,4 mg/L (48 h) | Daphnia magna | Crustacean |
| EC: 500-234-8 | EC50 | 27 mg/L (72 h) | Scenedesmus subspicatus | Algae |
| Disodium tetraborate decahydrate | LC50 | 178 mg/L (72 h) | Carassius auratus | Fish |
| CAS: 1303-96-4 | EC50 | 1085 mg/L (48 h) | Daphnia magna | Crustacean |
| EC: 215-540-4 | EC50 | 158 mg/L (96 h) | Scenedesmus subspicatus | Algae |
| 2-methylisothiazol-3(2H)-one | LC50 | 4,77 mg/L (96 h) | Oncorhynchus mykiss | Fish |
| CAS: 2682-20-4 | EC50 | 0,934 mg/L (48 h) | Daphnia magna | Crustacean |
| EC: 220-239-6 | EC50 | Non-applicable | | |

**Chronic toxicity:**

| Identification | Concentration | | Species | Genus |
|---|---|---|---|---|
| Alcohols, C12-C14, ethoxylated, sulphate, sodium salt | NOEC | 0,2 mg/L | Oncorhynchus mykiss | Fish |
| CAS: 68891-38-3 EC: 500-234-8 | NOEC | 0,27 mg/L | Daphnia magna | Crustacean |
| Disodium tetraborate decahydrate | NOEC | Non-applicable | | |
| CAS: 1303-96-4 EC: 215-540-4 | NOEC | 25,9 mg/L | Hyalella azteca | Crustacean |
| 2-methylisothiazol-3(2H)-one | NOEC | 4,93 mg/L | Oncorhynchus mykiss | Fish |
| CAS: 2682-20-4 EC: 220-239-6 | NOEC | 0,044 mg/L | Daphnia magna | Crustacean |

**12.2 Persistence and degradability:**

**Substance-specific information:**

| Identification | Degradability | | Biodegradability | |
|---|---|---|---|---|
| Alcohols, C12-C14, ethoxylated, sulphate, sodium salt | BOD5 | Non-applicable | Concentration | 10.5 mg/L |
| CAS: 68891-38-3 | COD | Non-applicable | Period | 28 days |
| EC: 500-234-8 | BOD5/COD | Non-applicable | % Biodegradable | 100 % |

- CONTINUED ON NEXT PAGE -

## SECTION 12: ECOLOGICAL INFORMATION (continued)

| Identification | Degradability | | Biodegradability | |
|---|---|---|---|---|
| 2-methylisothiazol-3(2H)-one | BOD5 | Non-applicable | Concentration | 10 mg/L |
| CAS: 2682-20-4 | COD | Non-applicable | Period | 28 days |
| EC: 220-239-6 | BOD5/COD | Non-applicable | % Biodegradable | 55,8 % |

**12.3 Bioaccumulative potential:**

**Substance-specific information:**

| Identification | Bioaccumulation potential | |
|---|---|---|
| 2-methylisothiazol-3(2H)-one | BCF | |
| CAS: 2682-20-4 | Pow Log | -0.49 |
| EC: 220-239-6 | Potential | |

**12.4 Mobility in soil:**

| Identification | Absorption/desorption | | Volatility | |
|---|---|---|---|---|
| 2-methylisothiazol-3(2H)-one | Koc | Non-applicable | Henry | 0E+0 Pa·m³/mol |
| CAS: 2682-20-4 | Conclusion | Non-applicable | Dry soil | Non-applicable |
| EC: 220-239-6 | Surface tension | Non-applicable | Moist soil | Non-applicable |

**12.5 Results of PBT and vPvB assessment:**

Product fails to meet PBT/vPvB criteria

**12.6 Endocrine disrupting properties:**

Endocrine-disrupting properties: The product fails to meet the criteria.

**12.7 Other adverse effects:**

Not described

## SECTION 13: DISPOSAL CONSIDERATIONS

**13.1 Waste treatment methods:**

| Code | Description | Waste class (Regulation (EU) No 1357/2014) |
|---|---|---|
| 20 01 29* | detergents containing hazardous substances | Dangerous |

**Type of waste (Regulation (EU) No 1357/2014):**

HP10 Toxic for reproduction, HP4 Irritant — skin irritation and eye damage

**Waste management (disposal and evaluation):**

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

**Regulations related to waste management:**

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

## SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

## SECTION 15: REGULATORY INFORMATION

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

Regulation (EC) No 528/2012: contains a preservative to protect the initial properties of the treated article. Contains 1,2-benzisothiazol-3(2H)-one, 2-methylisothiazol-3(2H)-one.

- CONTINUED ON NEXT PAGE -

## SECTION 15: REGULATORY INFORMATION (continued)

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Disodium tetraborate decahydrate

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: 2-methylisothiazol-3(2H)-one (Product-type 6, 11, 12, 13) ; 1,2-benzisothiazol-3(2H)-one (Product-type 2, 6, 9, 11, 12, 13)
REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

**Regulation (EC) No 648/2004 on detergents:**

In accordance with this regulation the product complies with the following:

The tensoactives contained in this mixture comply with the biodegradibility criteria stipulated in Regulation (EC) nº648/2004 on detergents. The information to prove this is available to the relevant authorities of the Member States and will be shown to them by direct request or the request of a detergent manufacturer.

**Labelling for contents:**

| Component | Concentration interval |
|---|---|
| Anionic surfactants | 5 <= % (w/w) < 15 |
| Non-ionic surfactants | 5 <= % (w/w) < 15 |
| Optical brighteners | |
| Soap | % (w/w) < 5 |
| Enzymes | |

Preservation agents: 1,2-benzisothiazol-3(2H)-one (BENZISOTHIAZOLINONE), 2-methylisothiazol-3(2H)-one (METHYLISOTHIAZOLINONE).

**Cleanright (www.cleanright.eu) © A.I.S.E.:**


Keep away from children.


Keep away from eyes. If product gets into eyes rinse thoroughly with water.


Rinse hands after use.


Do not ingest. If product is ingested then seek medical advice.

**Seveso III:**

Non-applicable

**Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):**

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

**Specific provisions in terms of protecting people or the environment:**

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

**Other legislation:**

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products
- Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents
- Commission Regulation (EC) No 907/2006 of 20 June 2006 amending Regulation (EC) No 648/2004 of the European Parliament and of the Council on detergents, in order to adapt Annexes III and VII
- Commission Regulation (EC) No 551/2009 of 25 June 2009 amending Regulation (EC) No 648/2004 of the European Parliament and of the Council on detergents, in order to adapt Annexes V and VI thereto (surfactant derogation)

- CONTINUED ON NEXT PAGE -

## SECTION 15: REGULATORY INFORMATION (continued)

**15.2 Chemical safety assessment:**

The supplier has not carried out evaluation of chemical safety.

## SECTION 16: OTHER INFORMATION

**Legislation related to safety data sheets:**

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

**Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:**

CLP Regulation (EC) No 1272/2008 (SECTION 2, SECTION 16):

· Precautionary statements

**Texts of the legislative phrases mentioned in section 2:**

H319: Causes serious eye irritation.
H317: May cause an allergic skin reaction.

**Texts of the legislative phrases mentioned in section 3:**

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

**CLP Regulation (EC) No 1272/2008:**

Acute Tox. 2: H330 - Fatal if inhaled.
Acute Tox. 3: H301+H311 - Toxic if swallowed or in contact with skin.
Acute Tox. 4: H302 - Harmful if swallowed.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Repr. 1B: H360FD - May damage fertility. May damage the unborn child.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

**Classification procedure:**

Eye Irrit. 2: Calculation method
Skin Sens. 1A: Calculation method

**Advice related to training:**

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

**Principal bibliographical sources:**

http://echa.europa.eu
http://eur-lex.europa.eu

**Abbreviations and acronyms:**

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -