



# POLARIS - Active Foam

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Issue date: 11/26/2020 Revision date: 10/22/2024 Supersedes version of: 1/10/2024 Version: 4.0

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

#### 1.1. Product identifier

Product form : Mixture  
Trade name : POLARIS - Active Foam  
UFI : XSPK-9QN1-W105-F5CP  
Product code : 115555631  
Product group : Trade product

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

##### Relevant identified uses

Intended for general public  
Main use category : Consumer use  
Use of the substance/mixture : Exterior cleaning products - all vehicle types

#### 1.3. Details of the supplier of the safety data sheet

##### Manufacturer

Brands Alliance s.r.o. Ltd  
Pri Šajbách 1  
SK 831 06 Bratislava  
T +421244871700  
[msds@brandsalliance.eu](mailto:msds@brandsalliance.eu), [www.brandsalliance.eu](http://www.brandsalliance.eu)

##### Distributor

AENSO UK LTD  
Chandos House  
School Lane  
GB MK18 1HD Buckingham  
T +441280703163

#### 1.4. Emergency telephone number

| Country/Area   | Organisation/Company                                                                             | Address                  | Emergency number | Comment |
|----------------|--------------------------------------------------------------------------------------------------|--------------------------|------------------|---------|
| United Kingdom | Guy's & St Thomas' Poisons Unit<br>Medical Toxicology Unit, Guy's & St<br>Thomas' Hospital Trust | Avonley Road<br>SE14 5ER | +44 20 7188 7188 |         |

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin corrosion/irritation, Category 2 H315  
Serious eye damage/eye irritation, Category 1 H318  
Hazardous to the aquatic environment – Chronic Hazard, Category 2 H411  
Full text of H- and EUH-statements: see section 16

##### Adverse physicochemical, human health and environmental effects

Causes skin irritation. Causes serious eye damage. Very toxic to aquatic life with long lasting effects.

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



GHS05

GHS09

Signal word (CLP)

: Danger

Contains

: Sodium lauriminodipropionate; Coco-glucoside; Sodium laureth sulfate; Lauramine Oxide

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|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hazard statements (CLP)        | : H315 - Causes skin irritation.<br>H318 - Causes serious eye damage.<br>H411 - Toxic to aquatic life with long lasting effects.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Precautionary statements (CLP) | : P102 - Keep out of reach of children.<br>P264 - Wash hands thoroughly after handling.<br>P273 - Avoid release to the environment.<br>P280 - Wear eye protection, protective gloves.<br>P302+P352 - IF ON SKIN: Wash with plenty of water.<br>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P310 - Immediately call a doctor.<br>P321 - Specific treatment (see supplemental first aid instruction on this label).<br>P332+P313 - If skin irritation occurs: Get medical advice/attention.<br>P362+P364 - Take off contaminated clothing and wash it before reuse.<br>P391 - Collect spillage.<br>P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. |

### 2.3. Other hazards

Contains no PBT and/or vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

| Name                                                                                    | Product identifier                                                    | %       | Classification according to Regulation (EC) No. 1272/2008 [CLP]                                                                |
|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------|---------|--------------------------------------------------------------------------------------------------------------------------------|
| Trilon(R) M                                                                             | CAS-No.: 164462-16-2<br>EC-No.: 423-270-5                             | 1 – 5   | Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                                                                               |
| Sodium lauriminodipropionate                                                            | CAS-No.: 14960-06-6<br>EC-No.: 239-032-7                              | 1 – 5   | Skin Irrit. 2, H315<br>Eye Dam. 1, H318                                                                                        |
| Coco-glucoside                                                                          | CAS-No.: 110615-47-9                                                  | 1 – 5   | Skin Irrit. 2, H315<br>Eye Dam. 1, H318                                                                                        |
| Sodium laureth sulfate                                                                  | CAS-No.: 68891-38-3<br>EC-No.: 500-234-8                              | 1 – 5   | Acute Tox. 4 (Dermal), H312<br>STOT RE 2, H373<br>Aquatic Chronic 2, H411                                                      |
| Lauramine Oxide                                                                         | CAS-No.: 1643-20-5<br>EC-No.: 216-700-6                               | 1 – 5   | Acute Tox. 4 (Oral), H302<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Aquatic Acute 1, H400<br>Aquatic Chronic 2, H411       |
| Citric acid<br>substance with national workplace exposure limit(s)<br>(DE)              | CAS-No.: 77-92-9<br>EC-No.: 201-069-1<br>EC Index-No.: 607-750-00-3   | 0.5 – 1 | Eye Irrit. 2, H319                                                                                                             |
| Sodium hydroxide<br>substance with national workplace exposure limit(s)<br>(GB, PL, SK) | CAS-No.: 1310-73-2<br>EC-No.: 215-185-5<br>EC Index-No.: 011-002-00-6 | 0.5 – 1 | Acute Tox. 3 (Oral), H301<br>Acute Tox. 4 (Dermal), H312<br>Skin Corr. 1A, H314<br>Eye Dam. 1, H318<br>Aquatic Chronic 3, H412 |

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| Name                                                                                       | Product identifier                      | %         | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--------------------------------------------------------------------------------------------|-----------------------------------------|-----------|-----------------------------------------------------------------|
| Sodium chloride                                                                            | CAS-No.: 7647-14-5<br>EC-No.: 231-598-3 | 0.1 – 0.5 | Aquatic Acute 1, H400 (M=10)<br>Aquatic Chronic 1, H410 (M=10)  |
| Butanedione<br>substance with national workplace exposure limit(s)<br>(DE, GB, NL, PL, SK) | CAS-No.: 431-03-8<br>EC-No.: 207-069-8  | < 0.1     | Not classified                                                  |

### Specific concentration limits:

| Name                   | Product identifier                                                    | Specific concentration limits (%)                                                                                                             |
|------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Coco-glucoside         | CAS-No.: 110615-47-9                                                  | (12 < C ≤ 30) Eye Dam. 1; H318<br>(30 < C < 100) Skin Irrit. 2; H315<br>(30 < C < 100) Eye Dam. 1; H318                                       |
| Sodium laureth sulfate | CAS-No.: 68891-38-3<br>EC-No.: 500-234-8                              | (5 ≤ C < 10) Eye Irrit. 2; H319<br>(10 ≤ C < 100) Eye Dam. 1; H318                                                                            |
| Sodium hydroxide       | CAS-No.: 1310-73-2<br>EC-No.: 215-185-5<br>EC Index-No.: 011-002-00-6 | (0.5 ≤ C < 2) Skin Irrit. 2; H315<br>(0.5 ≤ C < 2) Eye Irrit. 2; H319<br>(2 ≤ C < 5) Skin Corr. 1B; H314<br>(5 ≤ C ≤ 100) Skin Corr. 1A; H314 |

Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |                                                                                                                                                      |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures general            | : If you feel unwell, seek medical advice.                                                                                                           |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing.                                                                                     |
| First-aid measures after skin contact | : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.                           |
| First-aid measures after eye contact  | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately. |
| First-aid measures after ingestion    | : Call a poison center or a doctor if you feel unwell.                                                                                               |

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

|                                     |                                                                                                                                         |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Symptoms/effects after inhalation   | : Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard. |
| Symptoms/effects after skin contact | : Irritation.                                                                                                                           |
| Symptoms/effects after eye contact  | : Serious damage to eyes.                                                                                                               |
| Symptoms/effects after ingestion    | : None under normal conditions.                                                                                                         |

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

|                                |                                                  |
|--------------------------------|--------------------------------------------------|
| Suitable extinguishing media   | : Water spray. Dry powder. Foam. Carbon dioxide. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.               |

### 5.2. Special hazards arising from the substance or mixture

|                  |                               |
|------------------|-------------------------------|
| Fire hazard      | : No fire hazard.             |
| Explosion hazard | : No direct explosion hazard. |

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Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Advice for firefighters

Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.

#### For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.

#### For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

For containment : Collect spillage. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.

Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep in a cool, well-ventilated place away from heat.

Storage conditions : Keep cool. Protect from sunlight.

Packaging materials : Store always product in container of same material as original container.

### 7.3. Specific end use(s)

No additional information available

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### National occupational exposure and biological limit values

| Sodium hydroxide (1310-73-2)                  |                                       |
|-----------------------------------------------|---------------------------------------|
| United Kingdom - Occupational Exposure Limits |                                       |
| Local name                                    | Sodium hydroxide                      |
| WEL STEL (OEL STEL)                           | 2 mg/m³                               |
| Regulatory reference                          | EH40/2005 (Fourth edition, 2020). HSE |
| Butanedione (431-03-8)                        |                                       |
| United Kingdom - Occupational Exposure Limits |                                       |
| Local name                                    | Diacetyl (Butanedione)                |
| WEL TWA (OEL TWA)                             | 0.07 mg/m³                            |
|                                               | 0.02 ppm                              |
| WEL STEL (OEL STEL)                           | 0.36 mg/m³                            |
|                                               | 0.1 ppm                               |
| Regulatory reference                          | EH40/2005 (Fourth edition, 2020). HSE |

#### 8.2. Exposure controls

##### Appropriate engineering controls

###### Appropriate engineering controls:

Ensure good ventilation of the work station.

##### Personal protection equipment

###### Personal protective equipment:

Safety glasses.

###### Personal protective equipment symbol(s):



##### Eye and face protection

###### Eye protection:

Safety glasses

##### Skin protection

###### Skin and body protection:

Wear suitable protective clothing

###### Hand protection:

Protective gloves

| Hand protection   |                                                  |                   |                |             |                                          |
|-------------------|--------------------------------------------------|-------------------|----------------|-------------|------------------------------------------|
| Type              | Material                                         | Permeation        | Thickness (mm) | Penetration | Standard                                 |
| Disposable gloves | Nitrile rubber (NBR),<br>Chloroprene rubber (CR) | 6 (> 480 minutes) | 0,4-0,7        |             | EN ISO 374, EN<br>ISO 374-1, EN<br>374-2 |

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### Respiratory protection

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

### Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                                                 |                     |
|-------------------------------------------------|---------------------|
| Physical state                                  | : Liquid            |
| Colour                                          | : dark red.         |
| Appearance                                      | : Liquid.           |
| Odour                                           | : Fruity.           |
| Odour threshold                                 | : Not available     |
| Melting point                                   | : Not available     |
| Freezing point                                  | : < -20 °C          |
| Boiling point                                   | : Not available     |
| Flammability                                    | : Non flammable.    |
| Lower explosion limit                           | : Not available     |
| Upper explosion limit                           | : Not available     |
| Flash point                                     | : Not available     |
| Auto-ignition temperature                       | : Not available     |
| Decomposition temperature                       | : Not available     |
| pH                                              | : ≈ 7.5             |
| Viscosity, kinematic                            | : Not available     |
| Solubility                                      | : Soluble in water. |
| Partition coefficient n-octanol/water (Log Kow) | : Not available     |
| Vapour pressure                                 | : Not available     |
| Vapour pressure at 50°C                         | : Not available     |
| Density                                         | : Not available     |
| Relative density                                | : Not available     |
| Relative vapour density at 20°C                 | : Not available     |
| Particle characteristics                        | : Not applicable    |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

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### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

#### Citric acid (77-92-9)

|                 |                                                                                                               |
|-----------------|---------------------------------------------------------------------------------------------------------------|
| LD50 oral rat   | 3000 mg/kg Source: OECD Screening Information Data Set                                                        |
| LD50 oral       | 5400 mg/kg bodyweight Animal: mouse, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 4500 - 6400 |
| LD50 dermal rat | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)                    |

#### Sodium hydroxide (1310-73-2)

|                    |                              |
|--------------------|------------------------------|
| LD50 oral rat      | 140 – 340 mg/kg Source: ECHA |
| LD50 dermal rabbit | 1350 mg/kg Source: HSDB      |

#### Sodium lauriminodipropionate (14960-06-6)

|               |                                                                                         |
|---------------|-----------------------------------------------------------------------------------------|
| LD50 oral rat | 31300 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity) |
|---------------|-----------------------------------------------------------------------------------------|

#### Coco-glucoside (110615-47-9)

|                    |                                                                                               |
|--------------------|-----------------------------------------------------------------------------------------------|
| LD50 oral rat      | > 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)      |
| LD50 dermal rabbit | > 2000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |

#### Sodium laureth sulfate (68891-38-3)

|                 |                                                                                            |
|-----------------|--------------------------------------------------------------------------------------------|
| LD50 oral rat   | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)   |
| LD50 dermal rat | ≥ 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |

#### Sodium chloride (7647-14-5)

|                                   |                                                                        |
|-----------------------------------|------------------------------------------------------------------------|
| LD50 oral rat                     | 3000 mg/kg Source: International Uniform Chemical Information Database |
| LD50 dermal rabbit                | > 10000 mg/kg bodyweight Animal: rabbit                                |
| LC50 Inhalation - Rat (Dust/Mist) | > 10.5 mg/l Source: Corporate Solution From Thomson Micromedex         |

#### Lauramine Oxide (1643-20-5)

|                 |                                                                                                                                                |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| LD50 oral       | 1267 mg/kg                                                                                                                                     |
| LD50 dermal rat | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal)) |

#### Butanedione (431-03-8)

|                    |              |
|--------------------|--------------|
| LD50 oral rat      | 1580 mg/kg   |
| LD50 oral          | 3000 mg/kg   |
| LD50 dermal rabbit | > 5000 mg/kg |

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|                                                  |                                                                                                                                                                                                                            |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Butanedione (431-03-8)</b>                    |                                                                                                                                                                                                                            |
| LC50 Inhalation - Rat (Vapours)                  | 7.92 mg/l/4h                                                                                                                                                                                                               |
| <b>Trilon(R) M (164462-16-2)</b>                 |                                                                                                                                                                                                                            |
| LD50 oral rat                                    | > 2000 mg/kg bodyweight Animal: rat, Guideline: EU Method B.1 (Acute Toxicity (Oral))                                                                                                                                      |
| LD50 dermal rat                                  | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)                                                                                                                                 |
| LC50 Inhalation - Rat (Dust/Mist)                | > 4.25 mg/l Source: ECHA                                                                                                                                                                                                   |
| Skin corrosion/irritation                        | : Causes skin irritation.<br>pH: ≈ 7.5                                                                                                                                                                                     |
| <b>Sodium hydroxide (1310-73-2)</b>              |                                                                                                                                                                                                                            |
| pH                                               | 1.5 Source: HSDB                                                                                                                                                                                                           |
| <b>Sodium chloride (7647-14-5)</b>               |                                                                                                                                                                                                                            |
| pH                                               | 6.7 Source: The Chemical Database, The Department of Chemistry at the University of Akron                                                                                                                                  |
| Serious eye damage/irritation                    | : Causes serious eye damage.<br>pH: ≈ 7.5                                                                                                                                                                                  |
| <b>Sodium hydroxide (1310-73-2)</b>              |                                                                                                                                                                                                                            |
| pH                                               | 1.5 Source: HSDB                                                                                                                                                                                                           |
| <b>Sodium chloride (7647-14-5)</b>               |                                                                                                                                                                                                                            |
| pH                                               | 6.7 Source: The Chemical Database, The Department of Chemistry at the University of Akron                                                                                                                                  |
| Respiratory or skin sensitisation                | : Not classified                                                                                                                                                                                                           |
| Germ cell mutagenicity                           | : Not classified                                                                                                                                                                                                           |
| Carcinogenicity                                  | : Not classified                                                                                                                                                                                                           |
| <b>Trilon(R) M (164462-16-2)</b>                 |                                                                                                                                                                                                                            |
| NOAEL (chronic, oral, animal/male, 2 years)      | 262.2 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies), Remarks on results: other:Effect type: carcinogenicity (migrated information)   |
| NOAEL (chronic, oral, animal/female, 2 years)    | 333.9 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies), Remarks on results: other:Effect type: carcinogenicity (migrated information) |
| Reproductive toxicity                            | : Not classified                                                                                                                                                                                                           |
| STOT-single exposure                             | : Not classified                                                                                                                                                                                                           |
| STOT-repeated exposure                           | : Not classified                                                                                                                                                                                                           |
| <b>Citric acid (77-92-9)</b>                     |                                                                                                                                                                                                                            |
| LOAEL (oral, rat, 90 days)                       | 8000 mg/kg bodyweight Animal: rat                                                                                                                                                                                          |
| NOAEL (oral, rat, 90 days)                       | 4000 mg/kg bodyweight Animal: rat                                                                                                                                                                                          |
| <b>Sodium lauriminodipropionate (14960-06-6)</b> |                                                                                                                                                                                                                            |
| NOAEL (oral, rat, 90 days)                       | 160 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other:EPA OPPTS 870.3650, July 2000      |
| <b>Coco-glucoside (110615-47-9)</b>              |                                                                                                                                                                                                                            |
| NOAEL (oral, rat, 90 days)                       | 1000 mg/kg bodyweight Animal: rat, Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents)                                                                         |

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| Sodium laureth sulfate (68891-38-3) |                                                                                                                             |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| LOAEL (oral, rat, 90 days)          | 25 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)        |
| NOAEL (oral, rat, 90 days)          | > 225 mg/kg bodyweight/day Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents) |
| STOT-repeated exposure              | May cause damage to organs through prolonged or repeated exposure.                                                          |

| Lauramine Oxide (1643-20-5) |                                                                                                                                                                                                       |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NOAEL (oral, rat, 90 days)  | 40 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other:OPPTS 870.3650 |

Aspiration hazard : Not classified

| Sodium chloride (7647-14-5) |                |
|-----------------------------|----------------|
| Viscosity, kinematic        | Not applicable |

| Trilon(R) M (164462-16-2) |                |
|---------------------------|----------------|
| Viscosity, kinematic      | Not applicable |

### 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Very toxic to aquatic life with long lasting effects.  
Hazardous to the aquatic environment, short-term (acute) : Not classified  
Hazardous to the aquatic environment, long-term (chronic) : Toxic to aquatic life with long lasting effects.

| Citric acid (77-92-9)              |                                                              |
|------------------------------------|--------------------------------------------------------------|
| LC50 - Fish [1]                    | 48 mg/l Source: ECOTOX                                       |
| EC50 - Other aquatic organisms [1] | > 50 mg/l Test organisms (species): other aquatic crustacea: |

| Sodium hydroxide (1310-73-2) |                                                      |
|------------------------------|------------------------------------------------------|
| LC50 - Fish [1]              | 125 mg/l                                             |
| EC50 - Crustacea [1]         | 40.4 mg/l Test organisms (species): Ceriodaphnia sp. |

| Sodium lauriminodipropionate (14960-06-6) |                                                                                           |
|-------------------------------------------|-------------------------------------------------------------------------------------------|
| LC50 - Fish [1]                           | 4.2 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)   |
| LC50 - Fish [2]                           | ≈ 4.2 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) |
| EC50 - Crustacea [1]                      | 5.7 mg/l Test organisms (species): Daphnia magna                                          |
| EC50 - Crustacea [2]                      | 1.71 mg/l Test organisms (species): Daphnia magna                                         |
| EC50 72h - Algae [1]                      | 31 mg/l Test organisms (species): Chlorella vulgaris                                      |
| EC50 96h - Algae [1]                      | 870.085 mg/l Source: EPISUITE                                                             |
| NOEC (chronic)                            | 1.5 mg/l Test organisms (species): Daphnia magna Duration: '21 d'                         |

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| Coco-glucoside (110615-47-9)        |                                                                                                           |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------|
| LC50 - Fish [1]                     | 2.95 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)                        |
| LC50 - Fish [2]                     | 5.9 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)                         |
| EC50 - Crustacea [1]                | 7 mg/l Test organisms (species): Daphnia magna                                                            |
| EC50 - Crustacea [2]                | 14 mg/l Test organisms (species): Daphnia magna                                                           |
| EC50 72h - Algae [1]                | 12.5 mg/l Source: ECHA                                                                                    |
| Sodium laureth sulfate (68891-38-3) |                                                                                                           |
| LC50 - Fish [1]                     | 7.1 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)                         |
| EC50 - Crustacea [1]                | 7.2 mg/l Test organisms (species): Daphnia magna                                                          |
| EC50 - Crustacea [2]                | 7.4 mg/l Test organisms (species): Daphnia magna                                                          |
| EC50 72h - Algae [1]                | 27 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)        |
| EC50 72h - Algae [2]                | 27.7 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)      |
| NOEC (chronic)                      | 0.27 mg/l Test organisms (species): Daphnia magna Duration: '21 d'                                        |
| NOEC chronic fish                   | 0.14 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '28 d' |
| Sodium chloride (7647-14-5)         |                                                                                                           |
| LC50 - Fish [1]                     | 5840 mg/l Test organisms (species): Lepomis macrochirus                                                   |
| EC50 72h - Algae [1]                | 0.0269 mg/l                                                                                               |
| LOEC (chronic)                      | 441 mg/l Test organisms (species): Daphnia pulex Duration: '21 d'                                         |
| NOEC (chronic)                      | 314 mg/l Test organisms (species): Daphnia pulex Duration: '21 d'                                         |
| Lauramine Oxide (1643-20-5)         |                                                                                                           |
| LC50 - Fish [1]                     | 134 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)                         |
| LC50 - Fish [2]                     | 31.8 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)                        |
| EC50 - Crustacea [1]                | 3.9 mg/l Test organisms (species): Daphnia magna                                                          |
| EC50 - Crustacea [2]                | 3.1 mg/l Test organisms (species): Daphnia magna                                                          |
| ErC50 algae                         | 0.1 mg/l                                                                                                  |
| NOEC (chronic)                      | 0.7 mg/l Test organisms (species): Daphnia magna Duration: '21 d'                                         |
| NOEC chronic fish                   | 0.42 mg/l Test organisms (species): Pimephales promelas Duration: '302 d'                                 |
| NOEC chronic algae                  | 0.004 mg/l                                                                                                |
| Butanedione (431-03-8)              |                                                                                                           |
| LC50 - Fish [1]                     | 88015.43 mg/l Source: Ecological Structure Activity Relationships                                         |
| EC50 96h - Algae [1]                | 38624.133 mg/l Source: Ecological Structure Activity Relationships                                        |
| Trilon(R) M (164462-16-2)           |                                                                                                           |
| LC50 - Fish [1]                     | > 110 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)                       |
| EC50 - Crustacea [1]                | > 100 mg/l Test organisms (species): Daphnia magna                                                        |
| EC50 72h - Algae [1]                | > 100 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)     |
| EC50 96h - Algae [1]                | > 0.63 mg/l Source: ECHA                                                                                  |

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| Trilon(R) M (164462-16-2) |                                                                                                          |
|---------------------------|----------------------------------------------------------------------------------------------------------|
| LOEC (chronic)            | > 100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'                                      |
| NOEC (chronic)            | ≥ 100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'                                      |
| NOEC chronic fish         | 100 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '28 d' |

### 12.2. Persistence and degradability

| POLARIS - Active Foam                     |                        |
|-------------------------------------------|------------------------|
| Persistence and degradability             | Not rapidly degradable |
| Citric acid (77-92-9)                     |                        |
| Persistence and degradability             | Not rapidly degradable |
| Sodium hydroxide (1310-73-2)              |                        |
| Persistence and degradability             | Not rapidly degradable |
| Sodium lauriminodipropionate (14960-06-6) |                        |
| Persistence and degradability             | Not rapidly degradable |
| Coco-glucoside (110615-47-9)              |                        |
| Persistence and degradability             | Not rapidly degradable |
| Sodium laureth sulfate (68891-38-3)       |                        |
| Persistence and degradability             | Not rapidly degradable |
| Sodium chloride (7647-14-5)               |                        |
| Persistence and degradability             | Not rapidly degradable |
| Lauramine Oxide (1643-20-5)               |                        |
| Persistence and degradability             | Not rapidly degradable |
| Butanedione (431-03-8)                    |                        |
| Persistence and degradability             | Not rapidly degradable |
| Trilon(R) M (164462-16-2)                 |                        |
| Persistence and degradability             | Not rapidly degradable |

### 12.3. Bioaccumulative potential

| Citric acid (77-92-9)                           |                                                        |
|-------------------------------------------------|--------------------------------------------------------|
| Partition coefficient n-octanol/water (Log Pow) | -1.7 Source: ICSC                                      |
| Sodium hydroxide (1310-73-2)                    |                                                        |
| Partition coefficient n-octanol/water (Log Pow) | -3.88 Source: SRC                                      |
| Sodium chloride (7647-14-5)                     |                                                        |
| Partition coefficient n-octanol/water (Log Pow) | -0.46 Source: Quantitative Structure Activity Relation |
| Lauramine Oxide (1643-20-5)                     |                                                        |
| Partition coefficient n-octanol/water (Log Pow) | 4.67                                                   |
| Butanedione (431-03-8)                          |                                                        |
| Partition coefficient n-octanol/water (Log Pow) | -1.34                                                  |

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### Trilon(R) M (164462-16-2)

|                                                 |                 |
|-------------------------------------------------|-----------------|
| Partition coefficient n-octanol/water (Log Pow) | -4 Source: ECHA |
|-------------------------------------------------|-----------------|

### 12.4. Mobility in soil

### Sodium lauriminodipropionate (14960-06-6)

|                  |                          |
|------------------|--------------------------|
| Mobility in soil | 0.08707 Source: EPISUITE |
|------------------|--------------------------|

### Butanedione (431-03-8)

|                  |                  |
|------------------|------------------|
| Mobility in soil | 4.5 Source: HSDB |
|------------------|------------------|

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|                                            |                                                                                               |
|--------------------------------------------|-----------------------------------------------------------------------------------------------|
| Regional waste regulation                  | : Disposal must be done according to official regulations.                                    |
| Waste treatment methods                    | : Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| Sewage disposal recommendations            | : Disposal must be done according to official regulations.                                    |
| Product/Packaging disposal recommendations | : Disposal must be done according to official regulations.                                    |
| Additional information                     | : Do not re-use empty containers.                                                             |

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

| ADR                                     | IMDG          | IATA          | ADN           | RID           |
|-----------------------------------------|---------------|---------------|---------------|---------------|
| <b>14.1. UN number or ID number</b>     |               |               |               |               |
| Not regulated for transport             |               |               |               |               |
| <b>14.2. UN proper shipping name</b>    |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.3. Transport hazard class(es)</b> |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.4. Packing group</b>              |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.5. Environmental hazards</b>      |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| No supplementary information available  |               |               |               |               |

### 14.6. Special precautions for user

#### Overland transport

Not regulated

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**Transport by sea**

Not regulated

**Air transport**

Not regulated

**Inland waterway transport**

Not regulated

**Rail transport**

Not regulated

**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-Regulations**

**REACH Annex XVII (Restriction List)**

| EU restriction list (REACH Annex XVII) |                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                   |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reference code                         | Applicable on                                                                                                                                   | Entry title or description                                                                                                                                                                                                                                                                                        |
| 3(b)                                   | POLARIS - Active Foam ;<br>Sodium hydroxide ;<br>Sodium lauriminodipropionate ;<br>Coco-glucoside ; Sodium laureth sulfate ;<br>Lauramine Oxide | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10 |
| 3(c)                                   | POLARIS - Active Foam ;<br>Sodium hydroxide ;<br>Sodium laureth sulfate ;<br>Lauramine Oxide                                                    | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1                                                                                                                                         |

**REACH Annex XIV (Authorisation List)**

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

**REACH Candidate List (SVHC)**

Contains no substance(s) listed on the REACH Candidate List

**PIC Regulation (Prior Informed Consent)**

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

**POP Regulation (Persistent Organic Pollutants)**

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

**Ozone Regulation (2024/590)**

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

**Council Regulation (EC) for the control of dual-use items**

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

**Explosives Precursors Regulation (2019/1148)**

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

**Drug Precursors Regulation (273/2004)**

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

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### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

### SECTION 16: Other information

#### Abbreviations and acronyms:

|         |                                                                                                 |
|---------|-------------------------------------------------------------------------------------------------|
| ADN     | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR     | European Agreement concerning the International Carriage of Dangerous Goods by Road             |
| ATE     | Acute Toxicity Estimate                                                                         |
| BCF     | Bioconcentration factor                                                                         |
| BLV     | Biological limit value                                                                          |
| BOD     | Biochemical oxygen demand (BOD)                                                                 |
| COD     | Chemical oxygen demand (COD)                                                                    |
| DMEL    | Derived Minimal Effect level                                                                    |
| DNEL    | Derived-No Effect Level                                                                         |
| EC-No.  | European Community number                                                                       |
| EC50    | Median effective concentration                                                                  |
| EN      | European Standard                                                                               |
| IARC    | International Agency for Research on Cancer                                                     |
| IATA    | International Air Transport Association                                                         |
| IMDG    | International Maritime Dangerous Goods                                                          |
| LC50    | Median lethal concentration                                                                     |
| LD50    | Median lethal dose                                                                              |
| LOAEL   | Lowest Observed Adverse Effect Level                                                            |
| NOAEC   | No-Observed Adverse Effect Concentration                                                        |
| NOAEL   | No-Observed Adverse Effect Level                                                                |
| NOEC    | No-Observed Effect Concentration                                                                |
| OECD    | Organisation for Economic Co-operation and Development                                          |
| OEL     | Occupational Exposure Limit                                                                     |
| PBT     | Persistent Bioaccumulative Toxic                                                                |
| PNEC    | Predicted No-Effect Concentration                                                               |
| RID     | Regulations concerning the International Carriage of Dangerous Goods by Rail                    |
| SDS     | Safety Data Sheet                                                                               |
| STP     | Sewage treatment plant                                                                          |
| ThOD    | Theoretical oxygen demand (ThOD)                                                                |
| TLM     | Median Tolerance Limit                                                                          |
| VOC     | Volatile Organic Compounds                                                                      |
| CAS-No. | Chemical Abstract Service number                                                                |
| N.O.S.  | Not Otherwise Specified                                                                         |
| vPvB    | Very Persistent and Very Bioaccumulative                                                        |
| ED      | Endocrine disruptor                                                                             |

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| Full text of H- and EUH-statements: |                                                                    |
|-------------------------------------|--------------------------------------------------------------------|
| Acute Tox. 3 (Oral)                 | Acute toxicity (oral), Category 3                                  |
| Acute Tox. 4 (Dermal)               | Acute toxicity (dermal), Category 4                                |
| Acute Tox. 4 (Oral)                 | Acute toxicity (oral), Category 4                                  |
| Aquatic Acute 1                     | Hazardous to the aquatic environment – Acute Hazard, Category 1    |
| Aquatic Chronic 1                   | Hazardous to the aquatic environment – Chronic Hazard, Category 1  |
| Aquatic Chronic 2                   | Hazardous to the aquatic environment – Chronic Hazard, Category 2  |
| Aquatic Chronic 3                   | Hazardous to the aquatic environment – Chronic Hazard, Category 3  |
| Eye Dam. 1                          | Serious eye damage/eye irritation, Category 1                      |
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2                      |
| Skin Corr. 1A                       | Skin corrosion/irritation, Category 1, Sub-Category 1A             |
| Skin Corr. 1B                       | Skin corrosion/irritation, Category 1, Sub-Category 1B             |
| Skin Irrit. 2                       | Skin corrosion/irritation, Category 2                              |
| STOT RE 2                           | Specific target organ toxicity – Repeated exposure, Category 2     |
| H301                                | Toxic if swallowed.                                                |
| H302                                | Harmful if swallowed.                                              |
| H312                                | Harmful in contact with skin.                                      |
| H314                                | Causes severe skin burns and eye damage.                           |
| H315                                | Causes skin irritation.                                            |
| H318                                | Causes serious eye damage.                                         |
| H319                                | Causes serious eye irritation.                                     |
| H373                                | May cause damage to organs through prolonged or repeated exposure. |
| H400                                | Very toxic to aquatic life.                                        |
| H410                                | Very toxic to aquatic life with long lasting effects.              |
| H411                                | Toxic to aquatic life with long lasting effects.                   |
| H412                                | Harmful to aquatic life with long lasting effects.                 |

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.