

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

### 1.1. Product identifier

Product form : Mixture  
Product name : VITALISE  
Product code : 520  
Type of product : Detergent  
Product group : Mixture

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

#### 1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use  
Industrial/Professional use spec : Industrial  
For professional use only  
Use of the substance/mixture : Cleaning/washing agents and additives

#### 1.2.2. Uses advised against

No additional information available

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

#### Manufacturer

Christeyns Professional Hygiene UK Ltd  
Clover House Macclesfield Road  
SK23 7DQ Whaley Bridge – Derbyshire  
United Kingdom  
T 01663 733114 - F 01663 733115  
[info.cph.uk@christeyns.com](mailto:info.cph.uk@christeyns.com) - [www.christeyns-ph.co.uk](http://www.christeyns-ph.co.uk)

#### Supplier

Christeyns NV  
Afrikalaan 182  
9000 GENT  
Belgium  
T +32 (0)9/ 223 38 71 - F +32 (0)9/ 233 03 44  
[info@christeyns.be](mailto:info@christeyns.be) - [www.christeyns.com](http://www.christeyns.com)

### 1.4. Emergency telephone number

| Country        | Official advisory body                                                       | Address                                  | Emergency number                                                                                       | Comment                              |
|----------------|------------------------------------------------------------------------------|------------------------------------------|--------------------------------------------------------------------------------------------------------|--------------------------------------|
| Ireland        | National Poisons Information Centre<br>Beaumont Hospital                     | PO Box 1297<br>Beaumont Road<br>9 Dublin | +353 1 809 2566<br>(Healthcare professionals-<br>24/7)<br>+353 1 809 2166 (public,<br>8am - 10pm, 7/7) |                                      |
| United Kingdom | National Poisons Information Service<br>(Birmingham Centre)<br>City Hospital | Dudley Road<br>B18 7QH                   | 0344 892 0111                                                                                          | Only for healthcare<br>professionals |

## 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 1 H314  
Serious eye damage/eye irritation, Category 1 H318  
Full text of H- and EUH-statements: see section 16

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

No additional information available

### 2.2. Label elements

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

Hazard pictograms (CLP)



GHS05

CLP Signal word : Danger  
Contains : Fatty alcohol ethoxylate  
Hazard statements (CLP) : H314 - Causes severe skin burns and eye damage.  
Precautionary statements (CLP) : P102 - Keep out of reach of children.  
P260 - Do not breathe spray.  
P280 - Wear protective gloves, eye protection.  
P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P314 - Get medical advice/attention if you feel unwell.

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P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
P332+P313 - If skin irritation occurs: Get medical advice/attention.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 - If eye irritation persists: Get medical advice/attention.  
P363 - Wash contaminated clothing before reuse.

### 2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

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

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name                                       | Product identifier                                                                                   | %      | Classification according to Regulation (EC) No. 1272/2008 [CLP]               |
|--------------------------------------------|------------------------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------|
| sulphamic acid                             | CAS-no: 5329-14-6<br>Einecs nr: 226-218-8<br>EG annex nr: 016-026-00-0<br>REACH-no: 01-2119488633-28 | 5 – 10 | Eye Irrit. 2, H319<br>Skin Irrit. 2, H315<br>Aquatic Chronic 3, H412          |
| Alcohols, C12-14, ethoxylated propoxylated | CAS-no: 68439-51-0<br>Einecs nr: Polymer<br>REACH-no: Exempt from REACH: Polymer                     | 3 – 5  | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319                                     |
| Sodium Xylenesulphonate                    | CAS-no: 1300-72-7<br>Einecs nr: 215-090-9                                                            | 3 – 5  | Acute Tox. 4 (Dermal), H312 (ATE=2000 mg/kg bodyweight)<br>Eye Irrit. 2, H319 |
| Fatty alcohol ethoxylate                   | CAS-no: 160875-66-1<br>Einecs nr: 605-233-7<br>REACH-no: Exempted (polymer)                          | 1 – 3  | Acute Tox. 4 (Oral), H302 (ATE=300 mg/kg bodyweight)<br>Eye Dam. 1, H318      |

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

General advice

: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Inhalation

: Allow affected person to breathe fresh air. Allow the victim to rest.

Skin contact

: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

Eye contact

: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.

Ingestion

: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

Acute effects skin

: mild skin irritation.

Acute effects eyes

: Causes serious eye damage. Redness.

Acute effects oral route

: May cause irritation to the digestive tract.

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

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media

: Water.

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

Hazardous decomposition products in case of fire

: Toxic fumes may be released. Carbon dioxide. Carbon monoxide.

### 5.3. Advice for firefighters

Firefighting instructions

: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.

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Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.  
Collect spillage. Store away from other materials.

#### 6.4. Reference to other sections

See Section 8. Exposure controls and personal protection.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

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

Storage conditions : Keep container tightly closed.

Incompatible products : Strong bases.

Packaging materials : polyethylene. stainless steel.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

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

No additional information available

##### 8.1.2. Recommended monitoring procedures

No additional information available

##### 8.1.3. Air contaminants formed

No additional information available

##### 8.1.4. DNEL and PNEC

No additional information available

##### 8.1.5. Control banding

No additional information available

#### 8.2. Exposure controls

##### 8.2.1. Appropriate engineering controls

No additional information available

##### 8.2.2. Personal protection equipment

###### Personal protective equipment:

Avoid all unnecessary exposure.

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



###### 8.2.2.1. Eye and face protection

###### Eye protection:

Chemical goggles or safety glasses

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### 8.2.2.2. Skin protection

#### Protective equipment:

Wear suitable protective clothing

#### Hand protection:

Wear protective gloves.

### 8.2.2.3. Respiratory protection

No additional information available

### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Other information:

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

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

|                                            |                     |
|--------------------------------------------|---------------------|
| Physical state                             | : Liquid            |
| Physical state/form                        | : Liquid.           |
| Colour                                     | : Colourless.       |
| Odour                                      | : odourless.        |
| Odour threshold                            | : No data available |
| pH                                         | : 0.5 – 1.5         |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Melting point/range                        | : 0 °C              |
| Freezing point                             | : No data available |
| Boiling point/Boiling range                | : 100 °C            |
| Flash point                                | : No data available |
| Autoignition temperature                   | : No data available |
| Decomposition temperature                  | : No data available |
| Flammability (solid, gas)                  | : Non flammable.    |
| Vapour pressure                            | : No data available |
| Relative vapour density at 20°C            | : No data available |
| Relative density                           | : 1.043             |
| Solubility                                 | : Soluble in water. |
| Log Pow                                    | : No data available |
| Viscosity, kinematic                       | : No data available |
| Viscosity, dynamic                         | : No data available |
| Explosive properties                       | : No data available |
| Oxidising properties                       | : No data available |
| Explosive limits                           | : No data available |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 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

No additional information available

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

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### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

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

| sulphamic acid (5329-14-6) |                                                                                            |
|----------------------------|--------------------------------------------------------------------------------------------|
| LD50 oral rat              | 2140 mg/kg bodyweight Animal: rat, Animal sex: female, Remarks on results: other:          |
| LD50 dermal rat            | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |

| Fatty alcohol ethoxylate (160875-66-1) |                          |
|----------------------------------------|--------------------------|
| LD50 oral rat                          | > 300 (300 – 2000) mg/kg |
| LD50 dermal rat                        | > 2000 mg/kg             |
| ATE CLP (oral)                         | 300 mg/kg bodyweight     |

| Alcohols, C12-14, ethoxylated propoxylated (68439-51-0) |              |
|---------------------------------------------------------|--------------|
| LD50 oral rat                                           | > 2000 mg/kg |

| Sodium Xylenesulphonate (1300-72-7) |                       |
|-------------------------------------|-----------------------|
| LD50 oral rat                       | 7200 mg/kg            |
| LD50 dermal rabbit                  | 2000 mg/kg            |
| ATE CLP (oral)                      | 7200 mg/kg bodyweight |
| ATE CLP (dermal)                    | 2000 mg/kg bodyweight |

Skin corrosion/irritation : Causes severe skin burns.  
pH: 0.5 – 1.5

| Alcohols, C12-14, ethoxylated propoxylated (68439-51-0) |         |
|---------------------------------------------------------|---------|
| pH                                                      | 5 (≥ 7) |

Serious eye damage/irritation : Causes serious eye damage.  
pH: 0.5 – 1.5

| Alcohols, C12-14, ethoxylated propoxylated (68439-51-0) |         |
|---------------------------------------------------------|---------|
| pH                                                      | 5 (≥ 7) |

|                                   |                                                                    |
|-----------------------------------|--------------------------------------------------------------------|
| Respiratory or skin sensitisation | : Not classified                                                   |
| Additional information            | : Based on available data, the classification criteria are not met |
| Germ cell mutagenicity            | : Not classified                                                   |
| Additional information            | : Based on available data, the classification criteria are not met |
| Carcinogenicity                   | : Not classified                                                   |
| Additional information            | : Based on available data, the classification criteria are not met |
| Reproductive toxicity             | : Not classified                                                   |
| Additional information            | : Based on available data, the classification criteria are not met |

| sulphamic acid (5329-14-6) |                                                                                                                    |
|----------------------------|--------------------------------------------------------------------------------------------------------------------|
| NOAEL (animal/female, F1)  | 500 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EPA OPP 83-4 (Reproduction and Fertility Effects) |

|                                                     |                                                                    |
|-----------------------------------------------------|--------------------------------------------------------------------|
| STOT-single exposure                                | : Not classified                                                   |
| Additional information                              | : Based on available data, the classification criteria are not met |
| STOT-repeated exposure                              | : Not classified                                                   |
| Additional information                              | : Based on available data, the classification criteria are not met |
| Aspiration hazard                                   | : Not classified                                                   |
| Additional information                              | : Based on available data, the classification criteria are not met |
| Potential adverse human health effects and symptoms | : Based on available data, the classification criteria are not met |

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### SECTION 12: Ecological information

#### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

Not rapidly degradable

| sulphamic acid (5329-14-6) |                                                                                                      |
|----------------------------|------------------------------------------------------------------------------------------------------|
| LC50 - Fish [1]            | 70.3 mg/l Test organisms (species): Pimephales promelas                                              |
| EC50 - Crustacea [1]       | 71.6 mg/l Test organisms (species): Daphnia magna                                                    |
| EC50 72h - Algae [1]       | 48 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)   |
| EC50 72h - Algae [2]       | 33.8 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |
| LOEC (chronic)             | 34 mg/l Test organisms (species): Daphnia magna Duration: '21 d'                                     |
| NOEC (chronic)             | 19 mg/l Test organisms (species): Daphnia magna Duration: '21 d'                                     |
| NOEC chronic fish          | ≥ 60 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) Duration: '34 d'  |

#### Fatty alcohol ethoxylate (160875-66-1)

|                      |           |
|----------------------|-----------|
| EC50 - Crustacea [1] | > 10 mg/l |
| ErC50 algae          | > 10 mg/l |
| NOEC chronic fish    | > 1 mg/l  |

#### Sodium Xylenesulphonate (1300-72-7)

|                      |           |
|----------------------|-----------|
| LC50 - Fish [1]      | 1000 mg/l |
| EC50 - Crustacea [1] | 1000 mg/l |
| ErC50 algae          | 230 mg/l  |

#### 12.2. Persistence and degradability

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

#### Fatty alcohol ethoxylate (160875-66-1)

|                               |                |
|-------------------------------|----------------|
| Persistence and degradability | Biodegradable. |
|-------------------------------|----------------|

#### 12.3. Bioaccumulative potential

| VITALISE                  |                     |
|---------------------------|---------------------|
| Bioaccumulative potential | No bioaccumulation. |

#### Fatty alcohol ethoxylate (160875-66-1)

|                           |                     |
|---------------------------|---------------------|
| Bioaccumulative potential | No bioaccumulation. |
|---------------------------|---------------------|

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Results of PBT and vPvB assessment

| VITALISE                                                                               |  |
|----------------------------------------------------------------------------------------|--|
| This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII  |  |
| This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |  |

#### 12.6. Other adverse effects

Additional information : Avoid release to the environment.

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Product/Packaging disposal recommendations

: Dispose in a safe manner in accordance with local/national regulations.

Waste / unused products

: Avoid release to the environment.

HP Code

: HP8 - "Corrosive:" waste which on application can cause skin corrosion.

### SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

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

#### 14.6. Special precautions for user

##### Overland transport

Not regulated

##### Transport by sea

Not regulated

##### Air transport

Not regulated

#### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

### SECTION 15: Regulatory information

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

##### 15.1.1. EU-Regulations

###### REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

###### 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 (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

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### Detergent Regulation (648/2004)

| Labelling of contents                      |     |
|--------------------------------------------|-----|
| Component                                  | %   |
| non-ionic surfactants, anionic surfactants | <5% |

### 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)

#### 15.1.2. National regulations

No additional information available

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Data sources

: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information

: None.

| Full text of H- and EUH-statements: |                                                                   |
|-------------------------------------|-------------------------------------------------------------------|
| Acute Tox. 4 (Dermal)               | Acute toxicity (dermal), Category 4                               |
| Acute Tox. 4 (Oral)                 | Acute toxicity (oral), Category 4                                 |
| 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                     |
| 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.                                    |
| H412                                | Harmful to aquatic life with long lasting effects.                |
| Skin Irrit. 2                       | Skin corrosion/irritation, Category 2                             |

| Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]: |      |                       |
|---------------------------------------------------------------------------------------------------------------------------|------|-----------------------|
| Skin Corr. 1                                                                                                              | H314 | On basis of test data |
| Eye Dam. 1                                                                                                                | H318 | On basis of test data |

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.