

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

1.1. Product identifier

Product form : Mixture
Product name : VANQUISH
Product code : 304
Type of product : Detergent,Cleaning agent
Product group : Mixture

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

Relevant identified uses

Main use category : Professional use
Industrial/Professional use spec : Industrial
For professional use only
Use of the substance/mixture : Alkaline cleaner

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, 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, www.christeyns.com

1.4. Emergency telephone number

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

Signal word (CLP) :

Danger

Contains

: Amines, C12-14-alkyldimethyl, N-oxides; sodium hydroxide; caustic soda; Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Hazard statements (CLP) :

: H314 - Causes severe skin burns and eye damage.

Precautionary statements (CLP) :

: P102 - Keep out of reach of children.
P264 - Wash hands thoroughly after handling.
P280 - Wear eye protection, protective gloves.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

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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.
P362 - Take off contaminated clothing.
P405 - Store locked up.

2.3. Other hazards

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

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] |
|---|--|---------|---|
| sodium hydroxide; caustic soda substance with national workplace exposure limit(s) (AT, BE, BG, CZ, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, LT, LV, PL, PT, RO, SE, SK, IS, NO, MK, CH, TR) | CAS-no: 1310-73-2 EC-No.: 215-185-5 EC Index-No.: 011-002-00-6 REACH-no: 01-2119457892-27 | 10 – 30 | Met. Corr. 1, H290 Skin Corr. 1A, H314 Eye Dam. 1, H318 |
| Amines, C12-14-alkyldimethyl, N-oxides | CAS-no: 308062-28-4 EC-No.: 931-292-6 | 1 – 3 | Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 2, H411 |
| β -Alanine, N-(2-carboxyethyl)-, N-coco alkyl derivs., disodium salts | CAS-no: 90170-43-7 EC-No.: 290-476-8 REACH-no: 01-2119976233-35 | 1 – 3 | Eye Irrit. 2, H319 |
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts | CAS-no: 68891-38-3 EC-No.: 500-234-8 REACH-no: 01-2119488639-16 | 1 – 3 | Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412 |

Specific concentration limits:

| Name | Product identifier | Specific concentration limits (%) |
|---|--|--|
| sodium hydroxide; caustic soda | CAS-no: 1310-73-2 EC-No.: 215-185-5 EC Index-No.: 011-002-00-6 REACH-no: 01-2119457892-27 | (0.5 \leq C < 2) Eye Irrit. 2; H319 (0.5 \leq C < 2) Skin Irrit. 2; H315 (2 \leq C < 5) Skin Corr. 1B; H314 (5 \leq C \leq 100) Skin Corr. 1A; H314 |
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts | CAS-no: 68891-38-3 EC-No.: 500-234-8 REACH-no: 01-2119488639-16 | (5 \leq C < 10) Eye Irrit. 2; H319 (10 \leq C < 100) 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 | : Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor. |
| Skin contact | : Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER/doctor. |
| Eye contact | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. |

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Ingestion : Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

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

Symptoms/effects : Causes severe skin burns and eye damage.
Acute effects inhalation : May cause shortness of breath, tightness of the chest, a sore throat and cough.
Acute effects skin : Causes severe burns.
Acute effects eyes : Causes serious eye damage. Causes serious eye burns.
Acute effects oral route : Abdominal pain, nausea. Burns or irritation of the linings of the mouth, throat, and gastrointestinal 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 : Corrosive vapours.

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.
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

For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

For emergency responders

Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Avoid release to the environment.

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. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact during pregnancy/while nursing.

Hygiene measures : Wash hands, forearms and face thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Comply with applicable regulations.
Storage conditions : Keep container tightly closed.
Incompatible products : Strong acids.
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

National occupational exposure and biological limit values

| sodium hydroxide; caustic soda (1310-73-2) | |
|--|---------------------|
| Ireland - Occupational Exposure Limits | |
| Local name | Sodium hydroxide |
| OEL STEL | 2 mg/m ³ |

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| sodium hydroxide; caustic soda (1310-73-2) | |
|---|---|
| Remark | Advisory OELV (Advisory Occupational Exposure Limit Values) |
| Regulatory reference | Chemical Agents Code of Practice 2024 |
| United Kingdom - Occupational Exposure Limits | |
| Local name | Sodium hydroxide |
| WEL STEL (OEL STEL) | 2 mg/m ³ |
| Regulatory reference | EH40/2005 (Fourth edition, 2020). HSE |

8.2. Exposure controls

Personal protection equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Personal protective equipment symbol(s):



Eye and face protection

Eye protection:

Chemical goggles or face shield. Wear eye protection

Skin protection

Protective equipment:

Wear suitable protective clothing. alkali resistant protective clothing

Hand protection:

Wear protective gloves

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 |
| Colour | : Colourless. |
| Physical state/form | : Liquid. |
| Odour | : odourless. |
| Odour threshold | : Not available |
| Melting point/range | : 0 °C |
| Freezing point | : Not determined as it is not relevant for the characterization of the product |
| Boiling point/Boiling range | : 100 °C |
| Flammability | : Non flammable. |
| Lower explosion limit | : Constituents do not contain chemical groups associated with explosivity |
| Upper explosion limit | : Constituents do not contain chemical groups associated with explosivity |
| Flash point | : Not determined as it is not relevant for the characterization of the product |
| Autoignition temperature | : Determination of the auto-ignition temperature is only relevant for pyrophoric liquids, however the mixture is not a pyrophoric liquid so the test is not required. |
| Decomposition temperature | : Not available |
| pH | : 13 – 14 |
| Viscosity, kinematic | : Not available |
| Viscosity, dynamic | : ≈ 1100 cP at 20 °C |
| Solubility | : Soluble in water. |
| Partition coefficient n-octanol/water (Log Kow) | : Not available |
| Vapour pressure | : Not available |

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Vapour pressure at 50°C : Not available
Density : Not available
Relative density : 1.175 g/cm³
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

Thermal decomposition generates : Corrosive vapours.

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

Strong acids. Aluminium. Zinc.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide. Thermal decomposition generates : Corrosive vapours. Nitrogen oxides.

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

Amines, C12-14-alkyldimethyl, N-oxides (308062-28-4)

| | |
|-----------------|--|
| LD50 oral rat | 1064 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)) |

Alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3)

| | |
|-----------------|-----------------------|
| LD50 oral rat | > 4100 mg/kg OCDE 401 |
| LD50 dermal rat | > 2000 mg/kg OCDE 402 |

Skin corrosion/irritation : Causes severe skin burns.
pH: 13 – 14

Serious eye damage/irritation : Causes serious eye damage.
pH: 13 – 14

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

Amines, C12-14-alkyldimethyl, N-oxides (308062-28-4)

| | |
|-----------------------------|--|
| NOAEL (animal/male, F0/P) | 37 – 128 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 416 (Two-Generation Reproduction Toxicity Study), Guideline: other: |
| NOAEL (animal/female, F0/P) | 47 – 119 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 416 (Two-Generation Reproduction Toxicity Study), Guideline: other: |
| NOAEL (animal/male, F1) | 37 – 128 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 416 (Two-Generation Reproduction Toxicity Study), Guideline: other: |
| NOAEL (animal/female, F1) | 47 – 119 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 416 (Two-Generation Reproduction Toxicity Study), Guideline: other: |

STOT-single exposure : Not classified

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| | |
|------------------------|--|
| 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 |

Amines, C12-14-alkyldimethyl, N-oxides (308062-28-4)

| | |
|----------------------------|---|
| 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: |
|----------------------------|---|

β -Alanine, N-(2-carboxyethyl)-, N-coco alkyl derivs., disodium salts (90170-43-7)

| | |
|----------------------------|---|
| LOAEL (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) |
| NOAEL (oral, rat, 90 days) | 43 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) |

| | |
|------------------------|--|
| Aspiration hazard | : Not classified |
| Additional information | : Based on available data, the classification criteria are not met |

11.2. Information on other hazards

Other information

| | |
|---|--|
| Potential adverse human health effects and symptoms | : Based on available data, the classification criteria are not met |
|---|--|

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

Amines, C12-14-alkyldimethyl, N-oxides (308062-28-4)

| | |
|------------------------|---|
| LC50 - Fish [1] | 2.67 mg/l |
| EC50 - Crustacea [1] | 10.4 mg/l Test organisms (species): Daphnia magna |
| EC50 - Crustacea [2] | 3.1 mg/l Test organisms (species): Daphnia magna |
| NOEC (chronic) | 0.7 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| NOEC chronic fish | 0.42 mg/l 302 days |
| NOEC chronic crustacea | 0.7 mg/l 21 days, Daphnia magna |
| NOEC chronic algae | 0.067 mg/l 28 days |

sodium hydroxide; caustic soda (1310-73-2)

| | |
|------------------------------------|--------------------------|
| LC50 - Fish [1] | > 35 mg/l |
| EC50 - Crustacea [1] | 40.4 mg/l (Ceriodaphnia) |
| EC50 - Other aquatic organisms [1] | > 33 mg/l waterflea |

β -Alanine, N-(2-carboxyethyl)-, N-coco alkyl derivs., disodium salts (90170-43-7)

| | |
|----------------------|---|
| LC50 - Fish [1] | ≈ 4.2 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) |
| EC50 - Crustacea [1] | ≈ 29 mg/l Test organisms (species): Daphnia magna |
| EC50 72h - Algae [1] | ≈ 5.5 mg/l Test organisms (species): Chlorella vulgaris |
| EC50 72h - Algae [2] | ≈ 9.4 mg/l Test organisms (species): Chlorella vulgaris |
| NOEC (chronic) | ≈ 10 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |

Alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3)

| | |
|----------------------|-------------------|
| LC50 - Fish [1] | 7.1 mg/l OCDE 203 |
| EC50 - Crustacea [1] | 7.2 mg/l |
| EC50 72h - Algae [1] | 27.7 mg/l |
| EC50 96h - Algae [1] | 7.5 mg/l |

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| Alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3) | |
|---|---|
| NOEC chronic crustacea | 0.27 mg/l |
| NOEC chronic algae | 0.95 mg/l |
| 12.2. Persistence and degradability | |
| VANQUISH | |
| Persistence and degradability | Biodegradable. 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. |
| Amines, C12-14-alkyldimethyl, N-oxides (308062-28-4) | |
| Biodegradation | 90 % 28 days; OECD 301 B |
| sodium hydroxide; caustic soda (1310-73-2) | |
| Persistence and degradability | The methods for determining biodegradability are not applicable to inorganic substances. |
| β-Alanine, N-(2-carboxyethyl)-, N-coco alkyl derivs., disodium salts (90170-43-7) | |
| Persistence and degradability | Rapidly degradable |
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3) | |
| Persistence and degradability | Readily biodegradable, according to appropriate OECD test. |
| 12.3. Bioaccumulative potential | |
| VANQUISH | |
| Bioaccumulative potential | No bioaccumulation. |
| Amines, C12-14-alkyldimethyl, N-oxides (308062-28-4) | |
| Partition coefficient n-octanol/water (Log Kow) | < 2.7 |
| sodium hydroxide; caustic soda (1310-73-2) | |
| Log Pow | -3.88 |
| Bioaccumulative potential | No bioaccumulation. |
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3) | |
| Partition coefficient n-octanol/water (Log Kow) | 0.3 |
| 12.4. Mobility in soil | |
| No additional information available | |
| 12.5. Results of PBT and vPvB assessment | |
| VANQUISH | |
| This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII | |
| 12.6. Endocrine disrupting properties | |
| No additional information available | |
| 12.7. Other adverse effects | |
| VANQUISH | |
| Other information | Avoid release to the environment. |

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|--|---|
| Product/Packaging disposal recommendations | : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. |
| 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

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| ADR | IMDG | IATA |
|---|--|--|
| 14.1. UN number or ID number | | |
| UN 1760 | UN 1760 | UN 1760 |
| 14.2. UN proper shipping name | | |
| CORROSIVE LIQUID, N.O.S. (Sodium hydroxide) | CORROSIVE LIQUID, N.O.S. (Sodium hydroxide) | Corrosive liquid, n.o.s. (Sodium hydroxide) |
| Transport document description | | |
| UN 1760 CORROSIVE LIQUID, N.O.S. (Sodium hydroxide), 8, II, (E) | UN 1760 CORROSIVE LIQUID, N.O.S. (Sodium hydroxide), 8, II | UN 1760 Corrosive liquid, n.o.s. (Sodium hydroxide), 8, II |
| 14.3. Transport hazard class(es) | | |
| 8 | 8 | 8 |
| | | |
| 14.4. Packing group | | |
| II | II | II |
| 14.5. Environmental hazards | | |
| Dangerous for the environment: No | Dangerous for the environment: No Marine pollutant: No | Dangerous for the environment: No |
| No supplementary information available | | |

14.6. Special precautions for user

Overland transport

| | |
|---|---------------|
| Classification code (ADR) | : C9 |
| Special provisions (ADR) | : 274 |
| Limited quantities (ADR) | : 1I |
| Packing instructions (ADR) | : P001, IBC02 |
| Mixed packing provisions (ADR) | : MP15 |
| Portable tank and bulk container instructions (ADR) | : T11 |
| Portable tank and bulk container special provisions (ADR) | : TP2, TP27 |
| Tank code (ADR) | : L4BN |
| Vehicle for tank carriage | : AT |
| Transport category (ADR) | : 2 |
| Hazard identification number (Kemler No.) | : 80 |
| Orange plates | : |

| | |
|-------------|------|
| Tunnel code | : E |
| EAC code | : 2X |
| APP code | : B |

Transport by sea

| | |
|---------------------------------|---------|
| Special provisions (IMDG) | : 274 |
| Limited quantities (IMDG) | : 1 L |
| Packing instructions (IMDG) | : P001 |
| IBC packing instructions (IMDG) | : IBC02 |

Air transport

| | |
|--|--------|
| PCA Limited quantities (IATA) | : Y840 |
| PCA limited quantity max net quantity (IATA) | : 0.5L |
| PCA packing instructions (IATA) | : 851 |

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PCA max net quantity (IATA) : 1L
CAO packing instructions (IATA) : 855
CAO max net quantity (IATA) : 30L
Special provisions (IATA) : A3, A803

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)

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 (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

Detergent Regulation (EC 648/2004)

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

Explosives Precursors Regulation (EU 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 (EC 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)

15.2. 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 (Oral) | Acute toxicity (oral), Category 4 |
| Aquatic Acute 1 | Hazardous to the aquatic environment – Acute 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 |
| Met. Corr. 1 | Corrosive to metals, Category 1 |

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Full text of H- and EUH-statements:

| | |
|---------------|--|
| 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 |
| H290 | May be corrosive to metals. |
| H302 | Harmful if swallowed. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H400 | Very toxic to aquatic life. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

| | | |
|---------------|------|--------------------|
| Skin Corr. 1A | H314 | Calculation method |
| Eye Dam. 1 | H318 | Calculation method |

The classification complies with : ATP 12

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.