

Created: 22/11/21

SAFETY DATA SHEET

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

1.1 Product identifier

- Product Name: Washing-Up Liquid
- Contains: Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl) Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with triethanolamine

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

- Use of the substance/mixture: Detergent; Cleaning agent; Hard surface cleaner
- Use advised against: No information available

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Out of Eden
- Address of Supplier: Kirkby Stephen
CA17 4AP
UK
- Telephone: +44 (0)1768 372939
- Email: sales@outofeden.co.uk

1.4 Emergency telephone number

- Emergency Telephone: Call NHS 111 or a doctor
- Supplier Telephone: +44 (0)1768 372939 (Office hours 9am to 5pm Monday-Friday (excl. Bank Holidays).

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]: Skin Irrit. 2, H315; Eye Dam. 1, H318; Aquatic Chronic 3, H412; EUH208
- Additional information: For full text of Hazard- and EU Hazard-statements: see section 16

2.2 Label elements



Signal Word: Danger

Hazard statements

- H315 - Causes skin irritation.
- H318 - Causes serious eye damage.
- H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements

- P102 - Keep out of reach of children.
- P264 - Wash thoroughly after handling.
- P273 - Avoid release to the environment.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- P305+P351+P338+P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
- P501 - Dispose of contents/container to an approved hazardous/special waste disposal facility in accordance with local and national regulations



SECTION 2: Hazards identification (...)

Supplemental Hazard information (EU)

EUH208 - Contains reaction mass of 5-chloro-2- methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3- one (3:1). May produce an allergic reaction.

Label requirements for the Detergents Regulation (EC 684/2004, 907/2006): Contains amongst other ingredients, 5 % or over but less than 15 % anionic surfactants; non-ionic surfactants. Contains methylchloroisothiazolinone & methylisothiazolinone.

2.3 Other hazards

- Not a PBT according to REACH Annex XIII
- Not a vPvB according to REACH Annex XIII
- Does not contain any substances with endocrine disrupting properties

SECTION 3: Composition/information on ingredients

3.1 Substances

- Not applicable

3.2 Mixtures

- Contains the following hazardous ingredients or ingredients with a workplace exposure limit:

Chemical Name	Conc.	CAS No.	EC No.	Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]	SCL/ M-Factor/ ATE	REACH Registration Number	WEL / OEL
Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl)	< 10%	68155-07-7	931-329-6	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411	-	01-2119490100 -53-XXXX	No
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with triethanolamine	< 5%	121617-08-1	939-464-2	Skin Corr. 1C, H314 Eye Dam. 1, H318 Aquatic Chronic 3, H412	Skin Corr. 1C: 50 % ≤ C < 100 % Skin Irrit. 2 H315: 1% ≤ C < 50 %	01-2119971970 -28-XXXX	No
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	< 0.0015%	55965-84-9	611-341-5	Acute Tox. 3, H301 Acute Tox. 2, H310 Acute Tox. 2, H330 Skin Corr. 1C, H314 Skin Sens. 1A, H317 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 EUH071	Eye Dam. 1: C ≥ 0.6 % Eye Irrit. 2, H319: 0.06 % ≤ C < 0.6 % Skin Corr. 1C: C ≥ 0.6 % Skin Irrit. 2, H315 0.06 % ≤ C < 0.6 % Skin Sens. 1A: C ≥ 0.0015 % M=100 M(Chronic)=100	-	No

Information on ingredients as required by the Detergents Regulation (EC 684/2004, 907/2006):

Chemical Name	INCI Name	PH.EUR. Name	CAS No.	Conc.
Water	AQUA	Aqua	7732-18-5	10% or more
Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl)	COCAMIDE DEA	-	68155-07-7	1 % or over, but less than 10 %
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with triethanolamine	TEA-DODECYLBENZENESULFONATE	-	121617-08-1	1 % or over, but less than 10 %
Alcohols, C12-14 (even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts	SODIUM COCETH-30 SULFATE SODIUM LAURETH SULFATE	-	68891-38-3	0.1 % or over, but less than 1 %
Sodium nitrate	SODIUM NITRATE	-	7631-99-4	Less than 0.1 %
Colorant	-	-	-	Less than 0.1 %



SECTION 3: Composition/information on ingredients (...)

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	METHYLCHLOROISOTHIAZOLINONE AND METHYLISOTHIAZOLINONE	-	55965-84-9	Less than 0.1 %
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SECTION 4: First aid measures

4.1 Description of first aid measures

- Rescuers should take suitable precautions to avoid becoming casualties themselves
- Rescuers should put on approved personal protective equipment (PPE) before administering first aid

Contact with eyes

If substance has got into eyes, immediately wash out with plenty of water for several minutes
Irrigate eyes thoroughly whilst lifting eyelids
Remove contact lenses, if present and easy to do. Continue rinsing.
Get immediate medical advice/attention.

Contact with skin

After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of soap and water
Contaminated clothing should be laundered before reuse
If skin irritation or rash occurs: Get medical advice/attention.

Ingestion

Rinse mouth.
Give plenty of water to drink
Get medical advice/attention.

Inhalation

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
Keep warm and at rest, in a half upright position. Loosen clothing
IF exposed or concerned: Get medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed

Contact with eyes

Causes burning sensation
May cause severe damage with formation of corneal ulcers and permanent impairment of vision.

Contact with skin

Causes redness and irritation
May cause allergic reaction in susceptible people

Ingestion

May cause nausea/vomiting
May cause diarrhoea

Inhalation

In cases of severe exposure, irritation of the respiratory tract may develop

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: In case of fire use water spray or fog, alcohol resistant foam, dry chemical or carbon dioxide
- Unsuitable extinguishing media: High volume water jet

5.2 Special hazards arising from the substance or mixture

- Gives off irritating or toxic fumes (or gases) in a fire.
- Decomposition products may include oxides of nitrogen, sulphur and carbon

5.3 Advice for firefighters

- Collect contaminated fire extinguishing water separately. This MUST not be discharged into drains. Prevent fire extinguishing water from contaminating surface or ground water.
- Special protective equipment: Wear self-contained breathing apparatus (SCBA). Wear full protective clothing including chemical protection suit.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- No action shall be taken involving any personal risk or without suitable training
- Only trained and authorised personnel should carry out emergency response
- Personal precautions for non-emergency personnel: Do not touch or walk through spilt material; Avoid breathing vapours, mist or gas; Avoid contact with skin and eyes; Wash thoroughly after handling.
- Personal precautions for emergency responders: Avoid breathing vapours, mist or gas; Avoid contact with skin and eyes; Wear suitable protective clothing, including eye/face protection and gloves (nitrile are recommended); Wash thoroughly after dealing with spillage

6.2 Environmental precautions

- Avoid release to the environment.
- Do not allow to penetrate the ground/soil.

6.3 Methods and material for containment and cleaning up

- Stop leak if safe to do so.
- Small spills
 - Wipe up spillage with damp absorbent cloth or towel
- Large spills
 - Contain the spillage using bunding
 - Absorb spillage in suitable inert material
 - Place in appropriate container
 - Seal containers and label them
 - Remove contaminated material to safe location for subsequent disposal
 - Ventilate the area and wash spill site after material pick-up is complete
 - Seek expert advice for removal and disposal of all contaminated materials and wastes

6.4 Reference to other sections

- See section(s): 7,8 &13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Use only in well ventilated areas
- Avoid breathing vapours, mist or gas



SECTION 7: Handling and storage (...)

- Do not get in eyes, on skin, or on clothing.
- Wear protective clothing as per section 8
- Wear goggles giving complete eye protection
- Do not eat, drink or smoke when using this product.
- Wash thoroughly after handling.
- Contaminated clothing should be laundered before reuse

7.2 Conditions for safe storage, including any incompatibilities

- Keep locked up and out of reach of children
- Keep away from food, drink and animal feedingstuffs
- Keep only in the original container
- Keep container tightly closed, in a cool, well ventilated place
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Opened containers should be carefully resealed and stored in an upright position
- Incompatible with strong acids, bases, and oxidizing agents

7.3 Specific end use(s)

- Cleaning agent

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

- If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace exposure - Measurement of exposure by inhalation to chemical agents - Strategy for testing compliance with occupational exposure limit values). European Standard EN 14042 (Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents). European Standard EN 482 (Workplace exposure. General requirements for the performance of procedures for the measurement of chemical agents). Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl)

DNEL (inhalational) 73.4 mg/m³ Industry, Long Term, Systemic Effects
 DNEL (dermal) 4.16 mg/kg bw/day Industry, Long Term, Systemic Effects
 DNEL (dermal) 93.6 µg/cm² Industry, Long Term, Local Effects
 DNEL (inhalational) 21.73 mg/m³ Consumer, Long Term, Systemic Effects
 DNEL (dermal) 2.5 mg/kg bw/day Consumer, Long Term, Systemic Effects
 DNEL (dermal) 56.2 µg/cm² Consumer, Long Term, Local Effects
 DNEL (oral) 6.25 mg/kg bw/day Consumer, Long Term, Systemic Effects
 PNEC aqua (freshwater) 7 µg/L
 PNEC aqua (intermittent releases, freshwater) 24 µg/L
 PNEC aqua (marine water) 700 ng/L
 PNEC (STP) 830 mg/L
 PNEC sediment (freshwater) 195 µg/kg
 PNEC sediment (marine water) 19.5 µg/kg
 PNEC terrestrial (soil) 34.8 µg/kg

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with triethanolamine

DNEL (inhalational) 4.1 mg/m³ Industry, Long Term, Systemic Effects
 DNEL (dermal) 5.29 mg/kg bw/day Industry, Long Term, Systemic Effects
 DNEL (inhalational) 1.01 mg/m³ Consumer, Long Term, Systemic Effects
 DNEL (dermal) 1.2 mg/kg bw/day Consumer, Long Term, Systemic Effects
 DNEL (oral) 580 µg/kg bw/day Consumer, Long Term, Systemic Effects
 PNEC aqua (freshwater) 268 µg/L
 PNEC aqua (intermittent releases, freshwater) 268 µg/L
 PNEC aqua (marine water) 26.8 µg/L
 PNEC (STP) 7 mg/L

SECTION 8: Exposure controls/personal protection (....)

PNEC sediment (freshwater) 8.1 mg/kg
 PNEC sediment (marine water) 8.1 mg/kg
 PNEC terrestrial (soil) 35 mg/kg

Reaction mass of 5-chloro-2- methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3- one (3:1)

DNEL (inhalational) 20 µg/m³ Industry, Long Term, Local Effects
 DNEL (inhalational) 40 µg/m³ Industry, Acute/Short Term, Local Effects
 DNEL (inhalational) 20 µg/m³ Consumer, Long Term, Local Effects
 DNEL (inhalational) 40 µg/m³ Consumer, Acute/Short Term, Local Effects
 DNEL (oral) 90 µg/kg bw/day Consumer, Long Term, Systemic Effects
 DNEL (oral) 110 µg/kg bw/day Consumer, Acute/Short Term, Systemic Effects
 PNEC aqua (freshwater) 3.39 µg/L
 PNEC aqua (intermittent releases, freshwater) 3.39 µg/L
 PNEC aqua (marine water) 3.39 µg/L
 PNEC aqua (intermittent releases, marine water) 3.39 µg/L
 PNEC (STP) 230 µg/L
 PNEC sediment (freshwater) 27 µg/kg
 PNEC sediment (marine water) 27 µg/kg
 PNEC terrestrial (soil) 10 µg/kg

8.2 Exposure controls

- Selection and use of personal protective equipment should be based on a risk assessment of exposure potential
- Engineering controls
 - Ensure adequate ventilation
 - Engineering controls should be provided which maintain airborne concentrations as low as practicable
- Respiratory protection
 - No respiratory protection is needed during normal handling
 - Respiratory protection may be required under exceptional circumstances when excessive air contamination exists
 - Where a reusable half mask respirator is required, use EN 140, with gas/vapour filter EN 14387 type ABEK, or EN 405; EN 1827
 - Where a full face mask respirator is required, use EN 136, with gas/vapour filter EN 14387 type ABEK
- Eye/face protection
 - Wear goggles giving complete eye protection approved to standard EN 166.
 - If risk of splashing, wear face-shield approved to standard EN 166 1B39N
- Skin protection
 - Wear suitable protective clothing
 - Wear protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.
 - The selection of a suitable glove depends on work conditions and whether the product is present on its own or in combination with other substances. Breakthrough time is dependent on the characteristics of the brand of glove used and the supplier should be consulted.
 - Nitrile rubber are recommended
 - Glove material: Nitrile rubber
 - Thickness: 0.1 mm
 - Breakthrough time: > 480 min
 - Reference: Literature
- Thermal hazards
 - Not applicable
- Hygiene measures
 - Use good personal hygiene practices
 - Do not eat, drink or smoke when using this product.
 - Wash thoroughly after handling.
 - Contaminated clothing should be laundered before reuse

SECTION 8: Exposure controls/personal protection (....)

- Environmental exposure controls
Do not allow to penetrate the ground/soil.
Do not empty into drains



SECTION 9: Physical and chemical properties
9.1 Information on basic physical and chemical properties

- Physical state: Liquid
- Colour: Green
- Odour: None
- Melting point/freezing point: Approx. 0 °C
- Boiling point or initial boiling point and boiling range: Approx. 100 °C
- Flammability: Not flammable; Does not support combustion
- Lower and upper explosion limit: Not applicable
- Flash point: Not applicable
- Auto-ignition temperature: Not determined; No data available
- Decomposition temperature: Not determined; No data available
- pH: 7.00 - 8.00
- Kinematic viscosity: Approx. 300 cP
- Solubility: Soluble in water; Solubility in water: Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl) = 15 mg/L @ 20 °C, Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with triethanolamine = 650 g/L @ 20 °C
- Partition coefficient n-octanol/water (log value): Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl) = Log Pow 3.75 @ 20 °C
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with triethanolamine = Log Pow 1.5 @ 23 °C
- Vapour pressure: Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl) = 0 Pa @ 20 °C
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with triethanolamine = 0.001 Pa @ 20 °C
- Density and/or relative density: 1.03
- Relative vapour density: No data available
- Particle characteristics: Not applicable

9.2 Other information

- No information available

SECTION 10: Stability and reactivity
10.1 Reactivity

- No hazardous reactions known if used for its intended purpose

10.2 Chemical stability

- Considered stable under normal conditions

10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

10.4 Conditions to avoid



SECTION 10: Stability and reactivity (...)

- Avoid extremes of temperature
- Keep away from heat and sources of ignition

10.5 Incompatible materials

- Incompatible with strong acids, bases, and oxidizing agents

10.6 Hazardous decomposition products

- Decomposition products may include oxides of nitrogen, sulphur and carbon

SECTION 11: Toxicological information

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

- Acute Toxicity
Based on available data, the classification criteria are not met

Substances

Chemical Name	LD ₅₀ (oral, rat)	LC ₅₀ (inhalation, rat)	LD ₅₀ (dermal, rabbit)
Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl)	2 000 mg/kg	No data available	2 000 mg/kg
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with triethanolamine	2 925 mg/kg	No data available	2 000 mg/kg
Reaction mass of 5-chloro-2- methyl -2H-isothiazol-3-one and 2-methyl-2H -isothiazol-3-one (3:1)	64 - 561 mg/kg	(4 h) 171 - 2 360 mg/m ³	87.12 - 660 mg/kg

- Skin corrosion/irritation
Causes skin irritation.
Classification based on calculation and concentration thresholds

Substances

Chemical Name	Irritation/corrosion
Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl)	Adverse effect observed (irritating)
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with triethanolamine	Adverse effect observed (corrosive)
Reaction mass of 5-chloro-2- methyl -2H-isothiazol-3-one and 2-methyl-2H -isothiazol-3-one (3:1)	Adverse effect observed (corrosive)

- Serious eye damage/irritation
Causes serious eye damage.
Classification based on calculation and concentration thresholds

SECTION 11: Toxicological information (...)

Substances

Chemical Name	Irritation/corrosion
Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl)	Adverse effect observed (irritating)
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with triethanolamine	Adverse effect observed (irreversible damage)
Reaction mass of 5-chloro-2-methyl -2H-isothiazol-3-one and 2-methyl-2H -isothiazol-3-one (3:1)	Adverse effect observed (irreversible damage)

- Respiratory or skin sensitisation

This mixture is not classified as sensitising but contains at least one substance classified as sensitising and present in a concentration that may trigger an allergic reaction

Substances

Chemical Name	Respiratory sensitisation	Skin sensitisation
Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl)	No study available	No adverse effect observed (not sensitising)
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with triethanolamine	No study available	No adverse effect observed (not sensitising)
Reaction mass of 5-chloro-2-methyl -2H-isothiazol-3-one and 2-methyl-2H -isothiazol-3-one (3:1)	No study available	Adverse effect observed (sensitising)

- Germ cell mutagenicity

No evidence of mutagenic effects

Substances

Chemical Name	Toxicity - InVitro	Toxicity - InVivo
Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl)	No adverse effect observed (negative)	No adverse effect observed (negative)
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with triethanolamine	No adverse effect observed (negative)	No adverse effect observed (negative)
Reaction mass of 5-chloro-2-methyl -2H-isothiazol-3-one and 2-methyl-2H -isothiazol-3-one (3:1)	No adverse effect observed (negative)	No adverse effect observed (negative)

- Carcinogenicity

No evidence of carcinogenic effects

SECTION 11: Toxicological information (...)

Substances

Chemical Name	NOAEL (oral, rat)	NOAEC (inhalation, rat)	NOAEL (dermal, rat)
Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl)	No data available	No data available	No data available
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with triethanolamine	No data available	No data available	No data available
Reaction mass of 5-chloro-2- methyl -2H-isothiazol-3-one and 2-methyl-2H -isothiazol-3-one (3:1)	17.2 mg/kg bw/day	No data available	No data available

- Reproductive toxicity
No evidence of reproductive effects

Substances

Chemical Name	NOAEL (oral, rat)	NOAEC (inhalation, rat)	NOAEL (dermal, rat)
Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl)	1 000 mg/kg bw/day (Effect on fertility) 1 000 mg/kg bw/day (Effect on developmental toxicity)	No data available	No data available
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with triethanolamine	300 mg/kg bw/day (Effect on fertility) 500 mg/kg bw/day (Effect on developmental toxicity)	No data available	No data available
Reaction mass of 5-chloro-2- methyl -2H-isothiazol-3-one and 2-methyl-2H -isothiazol-3-one (3:1)	22.7 mg/kg bw/day (Effect on fertility) 100 mg/kg bw/day (Effect on developmental toxicity)	No data available	No data available

- Specific target organ toxicity (STOT) - single exposure
Based on available data, the classification criteria are not met
- Specific target organ toxicity (STOT) - repeated exposure
Based on available data, the classification criteria are not met

Substances

Chemical Name	NOAEL (oral, rat)	NOAEC (inhalation, rat)	NOAEL (dermal, rat)
Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl)	750 mg/kg bw/day	No data available	50 mg/kg bw/day
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with triethanolamine	85 mg/kg bw/day	No data available	125 mg/kg bw/day
Reaction mass of 5-chloro-2- methyl -2H-isothiazol-3-one and 2-methyl-2H -isothiazol-3-one (3:1)	16.3 - 24.7 mg/kg bw/day	2.36 mg/m ³	100 µg/kg bw/day

- Aspiration hazard
Based on available data, the classification criteria are not met

SECTION 11: Toxicological information (...)

- Contact with eyes
Causes redness and swelling
May cause severe damage with formation of corneal ulcers and permanent impairment of vision.
- Contact with skin
Causes redness and irritation
May cause allergic reaction in susceptible people
- Ingestion
May cause nausea/vomiting
May cause diarrhoea
- Inhalation
In cases of severe exposure, irritation of the respiratory tract may develop

11.2 Information on other hazards

- Does not contain any substances with endocrine disrupting properties

SECTION 12: Ecological information

12.1 Toxicity

- Harmful to aquatic life with long lasting effects.
- Classification based on calculation and concentration thresholds

Substances

Chemical Name	LC ₅₀ (fish)	EC ₅₀ (aquatic invertebrates)	EC ₅₀ (aquatic algae)
Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl)	(4 days) 2.4 mg/L	(48 h) 3.2 mg/L	(72 h) 2.1 - 3.9 mg/L
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with triethanolamine	(4 days) 1.67 - 11 800 mg/L	(48 h) 2.9 - 609.88 mg/L	(72 h) 52.8 - 512 mg/L
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	(4 days) 190 - 300 /L	(48 h) 7 - 160 /L	(72 h) 6.3 - 27.3 /L

12.2 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.

Substances

Chemical Name	Biodegradation
Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl)	Readily biodegradable in water (100%)
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with triethanolamine	Readily biodegradable in water (100%)

SECTION 12: Ecological information (. ..)

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	Inherently biodegradable in water (100%)
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12.3 Bioaccumulative potential

- Bioaccumulation is insignificant

Substances

Chemical Name	Bioconcentration Factor (BCF)	Log Kow
Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl)	28 L/kg ww	(Log Pow) 3.75 @ 20 °C
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with triethanolamine	500 L/kg ww	(Log Pow) 1.5 @ 23 °C
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	3.16 (calculated)	≤ 0.71

12.4 Mobility in soil

- Soluble in water
- Mobile in soils

Substances

Chemical Name	Adsorption/desorption
Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl)	Koc 299
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with triethanolamine	Koc 17 (calculated)
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	Log Koc 1.06 - 141 (dimensionless)

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII
- Not a vPvB according to REACH Annex XIII

12.6 Endocrine disrupting properties

- Does not contain any substances with endocrine disrupting properties

12.7 Other adverse effects

- No information available



SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Do not discharge into drains or the environment, dispose to an authorised waste collection point
- Disposal should be in accordance with local, state or national legislation
- Do not reuse empty containers without commercial cleaning or reconditioning

13.2 Classification

- The waste must be identified according to the List of Wastes (2000/532/EC)
 - Hazardous Property Code(s): HP 4 Irritant; HP 14 Ecotoxic
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SECTION 14: Transport information

Not classified as hazardous for transport

14.1 UN number or ID number

- UN No.: Not applicable

14.2 UN proper shipping name

- Proper Shipping Name: Not applicable

14.3 Transport hazard class(es)

- Hazard Class: Not applicable

14.4 Packing group

- Packing Group: Not applicable

14.5 Environmental hazards

- Not applicable

14.6 Special precautions for user

- Not Classified

14.7 Maritime transport in bulk according to IMO instruments

- Not applicable

14.8 Road/Rail (ADR/RID)

- Proper Shipping Name: Not applicable
- ADR UN No.: Not applicable
- ADR Hazard Class: Not applicable
- ADR Packing Group: Not applicable
- Tunnel Code: Not applicable

14.9 Sea (IMDG)

- Proper Shipping Name: Not applicable
- IMDG UN No.: Not applicable
- IMDG Hazard Class: Not applicable
- IMDG Pack Group.: Not applicable

14.10 Air (ICAO/IATA)

- Proper Shipping Name: Not applicable
- ICAO UN No.: Not applicable
- ICAO Hazard Class: Not applicable
- ICAO Packing Group: Not applicable



SECTION 15: Regulatory information

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

- This safety data sheet is provided in compliance with REACH Regulation (EC) No 1907/2006 (as amended by Regulation (EU) 2020/878)
- The GB Classification, Labelling and Packaging Regulation (GB CLP) applies in Great Britain
- Regulation (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation) applies in Europe
- Label requirements for the Detergents Regulation (EC 684/2004, 907/2006): Contains amongst other ingredients, 5 % or over but less than 15 % anionic surfactants; non-ionic surfactants. Contains methylchloroisothiazolinone & methylisothiazolinone.
- Restrictions on use according to Annex XVII to REACH Regulation: Not applicable
- Seveso III Directive (2012/18/EU, Named Dangerous Substances in Annex I: No ingredients are listed

15.2 Chemical safety assessment

- A REACH chemical safety assessment has not been carried out
-

SECTION 16: Other information

The above information is believed to be correct but does not purport to be all inclusive and shall only be used as a guide. The company will not be held liable for any damage resulting from handling or from contact with this product.

Sources of data: Information from published literature and supplier safety data sheets

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

- Skin Irrit. 2, H315: Classification based on calculation and concentration thresholds
- Eye Dam. 1, H318: Classification based on calculation and concentration thresholds
- Aquatic Chronic 3, H412: Classification based on calculation and concentration thresholds

Text not given with phrase codes where they are used elsewhere in this safety data sheet:

- H301: Toxic if swallowed
- H310: Fatal in contact with skin
- H314: Causes severe skin burns and eye damage
- H315: Causes skin irritation.
- H317: May cause an allergic skin reaction.
- H318: Causes serious eye damage
- H319: Causes serious eye irritation.
- H330: Fatal if inhaled.
- 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
- EUH071: Corrosive to the respiratory tract
- EUH208: Contains (name of sensitising substance). May produce an allergic reaction

Acronyms

- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstracts Service
- DNEL: Derived No-Effect Level
- EC: European Community
- EC₅₀: Effective Concentration, 50%
- GHS: Globally Harmonised System
- LC₅₀: Lethal Concentration, 50%
- LD₅₀: Lethal Dose, 50%



SECTION 16: Other information (....)

- NOAEC: No observed adverse effect concentration
- NOAEL: No observed adverse effect level
- OEL: Occupational Exposure Limit
- PBT: Persistent, Bioaccumulative and Toxic
- PNEC: Predicted No-Effect Concentration
- REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
- SCL: Specific Concentration Limit
- STOT RE: Specific Target Organ Toxicity Repeated Exposure
- STOT SE: Specific Target Organ Toxicity Single Exposure
- SVHC: Substances of Very High Concern
- vPvB: very Persistent and very Bioaccumulative
- WEL: Workplace Exposure Limit

--- end of safety datasheet ---
