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

1.1. Product identifier

Product form	:	Mixture
Product name	:	ProvaStep
UFI Number	:	DH00-W0P2-M005-S2E6

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
Use of the substance/mixture	:	Disinfectant

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer
Sterilex LLC
111 Lake Front Dr
Hunt Valley, MD 21030
USA
T 443-541-8800

Distributor
Sterilex UK Ltd
Building 4, Foundation Park
Roxborough Way, Maidenhead, UK, SL63UD
+44 1628 274459
support@sterilex.co.uk

1.4. Emergency telephone number

Emergency number	:	VelocityEHS (24 hours): +1 (813)248-0585 (International); NHS direct: 111

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to GB CLP (SI 2019:720 as amended)

Acute toxicity (oral), Category 4	H302
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 GB CLP (SI 2019:720 as amended)

Hazard pictograms (GB CLP) :

GHS05 GHS07

Signal word (GB CLP)	:	Danger
Contains	:	Sodium percarbonate; Benzenesulfonic acid, C10-13-alkyl derivatives, sodium salts; Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)-, tetrasodium salt; Sulfuric acid, mono-C12-14-alkyl esters, sodium salts
Hazard statements (GB CLP)	:	H302 - Harmful if swallowed. H318 - Causes serious eye damage.
Precautionary statements (GB CLP)	:	P264 - Wash hands, forearms and face thoroughly after handling. P280 - Wear protective gloves, protective clothing, eye protection, face protection P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. P330 - Rinse mouth.

P305+P351+P338+310 - 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.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of UK REACH regulation, Annex XIII
This substance/mixture does not meet the vPvB criteria of UK REACH regulation, Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of UK 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 GB BPR and GB PPP at a concentration equal to or greater than 0.1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Labelling according to GB CLP (SI 2019:720 as amended)
Sodium percarbonate	CAS-No.: 15630-89-4 EC-No.: 239-707-6	45 - 65	Ox. Sol. 2, H272 Acute Tox. 4 (Oral), H302 (ATE=1034 mg/kg bodyweight) Eye Dam. 1, H318
Disodium carbonate	CAS-No.: 497-19-8 EC-No.: 207-838-8	7 - 13	Eye Irrit. 2, H319
Sulfuric acid, mono-C12-14-alkyl esters, sodium salts	CAS-No.: 85586-07-8 EC-No.: 287-809-4	1 - 3	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412
Benzenesulfonic acid, C10-13-alkyl derivatives, sodium salts	CAS-No.: 68411-30-3 EC-No.: 270-115-0	1 - 3	Acute Tox. 4 (Oral), H302 (ATE=1080 mg/kg bodyweight) Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412
Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)-, tetrasodium salt	CAS-No.: 64-02-8 EC-No.: 200-573-9	1 - 3	Acute Tox. 4 (Oral), H302 (ATE=1210 mg/kg bodyweight) Eye Dam. 1, H318

Specific concentration limits:		
Name	**Product identifier**	**Specific concentration limits (%)**
Sulfuric acid, mono-C12-14-alkyl esters, sodium salts	CAS-No.: 85586-07-8 EC-No.: 287-809-4	(10 ≤ C < 20) Eye Irrit. 2, H319 (20 ≤ C ≤ 100) Eye Dam. 1, H318
Benzenesulfonic acid, C10-13-alkyl derivatives, sodium salts	CAS-No.: 68411-30-3 EC-No.: 270-115-0	(65 ≤ C < 100) Acute Tox. 4 (Oral), H302

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 after inhalation : Remove to fresh air. Get medical attention if symptoms occur.
First-aid measures after skin contact : Wash skin with plenty of water. Get medical attention if irritation occurs.
First-aid measures after eye contact : 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/doctor.
First-aid measures after ingestion : IF SWALLOWED: Rinse mouth. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Call a POISON CENTER/doctor if you feel unwell.

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

Symptoms/effects after inhalation : Not expected to be harmful if inhaled.
Symptoms/effects after skin contact : May cause skin irritation.
Symptoms/effects after eye contact : Causes serious eye damage.
Symptoms/effects after ingestion : Harmful if swallowed.

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

Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media : Do not use water jet.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Products of combustion may include, and are not limited to: oxides of carbon. Oxides of sodium.

5.3. Advice for firefighters

Protection during firefighting : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Prevent entry to sewers and public waters. Relevant water authorities should be notified of any large spillage to water course or drain.

6.3. Methods and material for containment and cleaning up

For containment : Contain spill, then place in a suitable container. Minimise dust generation. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).
Methods for cleaning up : Sweep or shovel spills into appropriate container for disposal.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Do not swallow. Do not get in eyes. Avoid contact with skin and clothing. Avoid generating and breathing dust. Handle and open container with care. Good housekeeping is important to prevent accumulation of dust.

Hygiene measures : Always wash hands after handling the product. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep out of the reach of children. Keep container tightly closed. Store in a dry, cool area.

7.3. Specific end use(s)

Disinfectant.

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

Appropriate engineering controls:
Ensure good ventilation of the work station. Provide readily accessible eye wash stations and safety showers.

8.2.2. Personal protection equipment

8.2.2.1. Eye and face protection

Eye protection:
During normal use conditions: Safety glasses. In case of dust production: protective goggles (EN 166)

8.2.2.2. Skin protection

Skin and body protection:
Wear suitable protective clothing. Chemical resistant apron.

Hand protection:
Wear suitable gloves. Chemical resistant gloves (according to European standard NF ISO 374-1 or equivalent). Consult glove manufacturer's product information on material suitability and material thickness.

8.2.2.3. Respiratory protection

Respiratory protection:
None necessary under normal conditions of use. In case of insufficient ventilation, wear suitable respiratory equipment based on anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

8.2.2.4. Thermal hazards

Thermal hazard protection:
Not required for normal conditions of use.

8.2.3. Environmental exposure controls

Environmental exposure controls:
Avoid release to the environment.

Other information:
Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Solid Powder.
Colour	:	Blue. Light blue.
Odour	:	Odourless.
Odour threshold	:	Not available
Melting point	:	Not available
Freezing point	:	Not available
Boiling point	:	Not available
Flammability	:	Not flammable
Oxidising properties	:	Not oxidizing.
Explosive limits	:	Not applicable
Flash point	:	Not applicable
Auto-ignition temperature	:	Not applicable
Decomposition temperature	:	Not available
pH	:	9.5 – 10.5 (1% Solution)
pH solution	:	Not available
Viscosity, kinematic	:	Not applicable
Solubility	:	Not available
Partition coefficient n-octanol/water (Log Kow)	:	Not available
Vapour pressure	:	Not available
Vapour pressure at 50°C	:	Not available
Density	:	1.12 - 1.19 g/ml
Relative density	:	Not available
Relative vapour density at 20°C	:	Not applicable
Particle size	:	117 — 1207 µm Mean diameter

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

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

Heat. Incompatible materials.

10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizing agents.

10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon. Oxides of sodium.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Harmful if swallowed.
Acute toxicity (dermal) : Not classified. (Based on available data, the classification criteria are not met.)
Acute toxicity (inhalation) : Not classified. (Based on available data, the classification criteria are not met.)

ProvaStep	
ATE GB CLP (oral)	1444.21 mg/kg bodyweight

Sodium percarbonate (15630-89-4)	
LD50 oral rat	1034 mg/kg (Source: OECD_SIDS)
LD50 dermal rabbit	> 2000 mg/kg (Source: OECD_SIDS)
LC50 Inhalation rat	> 5.0 mg/L, 4hr (dust/mist)
ATE GB CLP (oral)	1034 mg/kg bodyweight

Disodium carbonate (497-19-8)	
LD50 oral rat	4090 mg/kg (Source: NLM_HSDB)
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: other:EPA 16 CFR 1500.40
LC50 Inhalation rat	> 4.74 mg/L, 4.5 hr (Source: ECHA dust/mist)
ATE GB CLP (oral)	4090 mg/kg bodyweight

Benzenesulfonic acid, C10-13-alkyl derivatives, sodium salts (68411-30-3)	
LD50 oral rat	1080 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rabbit	> 5000 mg/kg (Source: Supplier SDS)
LC50 Inhalation rat	>5.0 mg/L, 4hr (dust/mist)
ATE GB CLP (oral)	1080 mg/kg bodyweight

Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)-, tetrasodium salt (64-02-8)	
LD50 oral rat	1658 mg/kg (Source: NZ_CCID)
LD50 oral	1210 mg/kg
LC50 Inhalation rat	> 5.00 mg/L, 4hr (dust/mist)
ATE GB CLP (oral)	1210 mg/kg bodyweight

Sulfuric acid, mono-C12-14-alkyl esters, sodium salts (85586-07-8)	
LD50 oral rat	500 – 2000 mg/kg bodyweight Animal: rat, Guideline: EU Method B.1 bis (Acute Oral Toxicity - Fixed Dose Procedure)
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
ATE GB CLP (oral)	500 mg/kg bodyweight

Skin corrosion/irritation : Not classified. (Based on available data, the classification criteria are not met.)

Disodium carbonate (497-19-8)	
pH	11.5 (conc: 1 % (aqueous solution)

Sulfuric acid, mono-C12-14-alkyl esters, sodium salts (85586-07-8)	
pH	10.4 Concentration: 1 other:%

Serious eye damage/irritation : Causes serious eye damage.

Disodium carbonate (497-19-8)	
pH	11.5 (conc: 1 % (aqueous solution)

Sulfuric acid, mono-C12-14-alkyl esters, sodium salts (85586-07-8)	
pH	10.4 Concentration: 1 other:%

Respiratory or skin sensitisation : Not classified. (Based on available data, the classification criteria are not met.)
Germ cell mutagenicity : Not classified. (Based on available data, the classification criteria are not met.)
Carcinogenicity : Not classified. (Based on available data, the classification criteria are not met.)
Reproductive toxicity : Not classified. (Based on available data, the classification criteria are not met.)
STOT-single exposure : Not classified. (Based on available data, the classification criteria are not met.)
STOT-repeated exposure : Not classified. (Based on available data, the classification criteria are not met.)

Benzenesulfonic acid, C10-13-alkyl derivatives, sodium salts (68411-30-3)	
LOAEL (oral, rat, 90 days)	300 mg/kg bodyweight Animal: rat
NOAEL (dermal, rat/rabbit, 90 days)	2500 mg/kg bodyweight Animal: rat

Aspiration hazard : Not classified. (Based on available data, the classification criteria are not met.)

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties : 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 %

11.2.2. Other information

Other information : Likely routes of exposure: ingestion, inhalation, skin and eye

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Not classified. (Based on available data, the classification criteria are not met.)
Hazardous to the aquatic environment, short–term (acute) : Not classified. (Based on available data, the classification criteria are not met.)
Hazardous to the aquatic environment, long–term (chronic) : Not classified. (Based on available data, the classification criteria are not met.)

Sodium percarbonate (15630-89-4)	
LC50 - Fish [1]	70.7 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 - Crustacea [1]	4.9 mg/l (Exposure time: 48 h - Species: Daphnia pulex)

Disodium carbonate (497-19-8)	
LC50 - Fish [1]	300 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static] Source: EPA)
LC50 - Fish [2]	310 – 1220 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: EPA)
EC50 - Crustacea [1]	265 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 - Crustacea [2]	200 – 227 mg/l Test organisms (species): Ceriodaphnia sp.

Benzenesulfonic acid, C10-13-alkyl derivatives, sodium salts (68411-30-3)	
LC50 - Fish [1]	5.1 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [flow-through] Source: IUCLID)
LC50 - Fish [2]	0.6 – 1.9 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [semi-static] Source: IUCLID)

Benzenesulfonic acid, C10-13-alkyl derivatives, sodium salts (68411-30-3)	
EC50 - Crustacea [1]	0.63 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 72h - Algae [1]	11 mg/l (Species: Pseudokirchneriella subcapitata)
EC50 96h - Algae [1]	9 mg/l (Species: Desmodesmus subspicatus)
EC50 96h - Algae [2]	4.29 – 12.5 mg/l (Species: Pseudokirchneriella subcapitata)
NOEC (acute)	250 mg/kg (Exposure time: 14 Days - Species: Eisenia foetida [soil dry weight])
NOEC (chronic)	1.18 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	0.23 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '72 d'

Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)-, tetrasodium salt (64-02-8)	
LC50 - Fish [1]	41 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static] Source: IUCLID)
LC50 - Fish [2]	59.8 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: IUCLID)
EC50 - Crustacea [1]	> 114 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	> 60 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
ErC50 algae	1.01 mg/l
LOEC (chronic)	50 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	≥ 25.7 mg/l Test organisms (species): Duration: '35 d'

Sulfuric acid, mono-C12-14-alkyl esters, sodium salts (85586-07-8)	
LC50 - Fish [1]	3.6 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
LC50 - Fish [2]	2.5 mg/l (Exposure time: 96 h - Species: Pimephales promelas Source: IUCLID)
EC50 - Crustacea [1]	4.7 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	> 20 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 72h - Algae [2]	12 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
NOEC chronic fish	≥ 1.357 mg/l Test organisms (species): Pimephales promelas Duration: '42 d'

12.2. Persistence and degradability

ProvaStep	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

ProvaStep	
Bioaccumulative potential	Not established.

Sodium percarbonate (15630-89-4)	
BCF - Fish [1]	(no bioaccumulation)

Disodium carbonate (497-19-8)	
BCF - Fish [1]	(no bioaccumulation)

Benzenesulfonic acid, C10-13-alkyl derivatives, sodium salts (68411-30-3)	
BCF - Fish [1]	(87 L/kg)
Partition coefficient n-octanol/water	1.4 (at 23 °C (at pH 6.1)

Sulfuric acid, mono-C12-14-alkyl esters, sodium salts (85586-07-8)	
BCF - Fish [1]	2.1 – 11

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

ProvaStep
This substance/mixture does not meet the PBT criteria of UK REACH regulation, Annex XIII
This substance/mixture does not meet the vPvB criteria of UK REACH regulation, Annex XIII

12.6. Other adverse effects

Adverse effects on the environment caused by endocrine disrupting properties : 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 %.

Additional information : No other effects known

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. The generation of waste should be avoided or minimized wherever possible.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

14.1. UN number

UN-No. (ADR) : Not regulated
UN-No. (IMDG) : Not regulated
UN-No. (IATA) : Not regulated

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not regulated
Proper Shipping Name (IMDG) : Not regulated
Proper Shipping Name (IATA) : Not regulated

14.3. Transport hazard class(es)

ADR
Transport hazard class(es) (ADR) : Not regulated

IMDG
Transport hazard class(es) (IMDG) : Not regulated

IATA
Transport hazard class(es) (IATA) : Not regulated

14.4. Packing group

Packing group (ADR) : Not regulated
Packing group (IMDG) : Not regulated
Packing group (IATA) : Not regulated

14.5. Environmental hazards

Other information : 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)

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)

Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit 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)

15.1.2. United Kingdom

British National Regulations : Not determined.

UK REACH Annex XIV (Authorisation List)

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

UK REACH Candidate List (SVHC)

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

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes (UK):
None.

Abbreviations and acronyms:	
	°C – Degrees Celsius °F – Degrees Fahrenheit ADR – European Agreement concerning the International Carriage of Dangerous Goods by Road. ASTM: American Society for Testing and Materials ACGIH – American Conference of Governmental Industrial Hygienists ATE – Acute Toxicity Estimate BCF – Bioconcentration Factor BEI – Biological Exposure Index CAS – Chemical Abstracts Service CLP – Regulation (EC) No 1272/2008 on the Classification, Labeling and Packaging of substances and mixtures. CMR – Carcinogen, Mutagen, Reproductive toxin cP – centipoise (unit of dynamic viscosity) cSt – centistokes (unit of kinematic viscosity) DNEL – Derived No-effect Level DMEL – Derived Minimal Effect Level EC50 – Half maximal effective concentration ECHA – European Chemicals Agency EC-No. – European Community number EU – European Union GHS – Globally Harmonized System of Classification and Labelling of Chemicals h – Hours IATA – International Air Transport Association IC50 – Inhibition concentration IDLH – Immediately Dangerous to Life or Health IMDG – International Maritime Dangerous Goods IOELV – Indicative Occupational Exposure Limit Value KIFS – Swedish Chemicals Agency's (Keml's) Code of Statutes kPa – kilopascal Koc – Adsorption Coefficient Kow – Octanol-Water Partition Coefficient LC50 – Median Lethal Concentration LD50 – Median Lethal Dose LOAEL – Lowest Observed Adverse Effect level mg/l – Milligram per liter mg/kg – Milligram per kilogram mg/m3 – Milligram per cubic meter Min – Minutes NIOSH – National Institute for Occupational Safety and Health NOEC – No Observed Effect Concentration NO(A)EL – No Observed (Adverse) Effect Level N.O.S. – Not Otherwise Specified OEL – Occupational Exposure Limit PBT - Persistent, Bioaccumulative and Toxic PCN – Poison Centre Notification PNEC – Predicted No Effect Concentration ppm – Parts per million PVC – Polyvinyl chloride REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 RID – European Agreement concerning the International Carriage of Dangerous Goods by Rail SDS – Safety Data Sheet STEL – Short Term Exposure Limit STOT – Specific Target Organ Toxicity SVHC – Substance of Very High Concern (CMR, vPvB, PBT) TDI – Tolerable Daily Intake TLV – Threshold Limit Value TWA – Time Weighted Average UFI – Unique Formulation Identifier UN – United Nations vPvB - Very Persistent and Very Bioaccumulative WEL – Workplace Exposure Limit WGK – Wassergefahrdungklasse – German water quality classification

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.
Prepared by	:	Nexreg Compliance Inc. www.Nexreg.com

Full text of H- and EUH-statements:	
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
H272	May intensify fire; oxidiser.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.
Ox. Sol. 2	Oxidising Solids, Category 2
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]:		
Acute Tox. 4 (Oral)	H302	Calculation method
Eye Dam. 1	H318	Calculation method

Safety Data Sheet (SDS), UK - NEXREG 2024