

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Revision date: 08/02/2023 Version: 8.2

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

1.1. Product identifier

Product form	: Mixture
Trade name	: ULTRACLEAN 2000
UFI	: X4M0-R0M0-900Q-WGXK
Product code	: 51059
Type of product	: Detergent
Product group	: Blend

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

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
Function or use category	: Cleaning/washing agents and additives

1.3. Details of the supplier of the safety data sheet

Manufacturer

1.4. Emergency telephone number

Emergency number

: +44 (0)113 232 2600

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

Adverse physicochemical, human health and environmental effects

No additional information available

2.2

2.2. Label elements	
Labelling according to Regulation (EC) No. 1272/2	008 [CLP]
Hazard pictograms (CLP)	: GHS05
Signal word (CLP)	: Danger
Contains	: SODIUM METASILICATE; TETRASODIUM ETHYLENE DIAMINE TETRAACETATE; ISOTRIDECANOL ETHOXYLATE (EO 6 - 20)
Hazard statements (CLP)	: H314 - Causes severe skin burns and eye damage.
Precautionary statements (CLP)	 P264 - Wash hands thoroughly after handling. P280 - Wear protective clothing, eye protection, face protection. P301+P330+P331+P310 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

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Immediately call a POISON CENTER or doctor.

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.

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

Contains no PBT and/or vPvB substances ≥ 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]
DIPROPYLENE GLYCOL MONOMETHYL ETHER substance with a Community workplace exposure limit	CAS-No.: 34590-94-8 EC-No.: 252-104-2 REACH-no: 01-2119450011- 60	5 – 10	Not classified
ISOTRIDECANOL ETHOXYLATE (EO 6 - 20)	CAS-No.: 24938-91-8 EC-No.: 607-463-3	2.4 – 5	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
TETRAPOTASSIUM PYROPHOSPHATE	CAS-No.: 7320-34-5 EC-No.: 230-785-7	2.4 – 5	Eye Irrit. 2, H319
SODIUM METASILICATE	CAS-No.: 6834-92-0 EC-No.: 229-912-9 EC Index-No.: 014-010-00-8 REACH-no: 01-2119449811- 37	1 – 2.4	Met. Corr. 1, H290 Acute Tox. Not classified (Oral) Skin Corr. 1B, H314 STOT SE 3, H335
TETRASODIUM ETHYLENE DIAMINE TETRAACETATE	CAS-No.: 64-02-8 EC-No.: 200-573-9 EC Index-No.: 607-428-00-2 REACH-no: 01-2119486762- 27	0.1 – 2.4	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
SODIUM XYLENESULPHONATE	CAS-No.: 1300-72-7 EC-No.: 215-090-9 REACH-no: 01-2119513350- 56	1 – 2.4	Eye Irrit. 2, H319

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

SECTION 4: First aid measures 4.1. Description of first aid measures First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice. First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.

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 First-aid measures after skin contact
 : Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER/doctor.

 First-aid measures after 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.

 First-aid measures after ingestion
 : Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

 4.2. Most important symptoms and effects, both acute and delayed
 : Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

Symptoms/effects

: Causes severe skin burns and eye damage.

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 Unsuitable extinguishing media	Foam. Dry powder. Carbon dioxide. Water spray. Sand.Do not use a heavy water stream.	
5.2. Special hazards arising from the substance or mixture		
No additional information available		
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		
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.	
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. Avoid contact during pregnancy/while nursing.
Hygiene measures	: Wash hands, forearms and face thoroughly after handling.

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7.2. Conditions for safe storage, including any incompatibilities

Technical measures Storage conditions Incompatible products Incompatible materials	 Comply with applicable regulations. Keep container closed when not in use. Keep only in original container. Strong bases. Strong acids. Sources of ignition. Direct sunlight.
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

DIPROPYLENE GLYCOL MONOMETHYL ETHER (34590-94-8)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name (2-Methoxymethylethoxy)-propanol	
IOEL TWA	308 mg/m ³ 308 mg/m ³
	50 ppm
Remark	Skin Skin
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC COMMISSION DIRECTIVE 2000/39/EC

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

Skin protection

Skin and body protection: Wear suitable protective clothing

Hand protection: Wear protective gloves. Nitrile rubber gloves

Respiratory protection

Respiratory protection: Not required for normal conditions of use

Environmental exposure controls

Other information:

Do not eat, drink or smoke during use.

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SECTION 9: Physical and chemical p	properties
9.1. Information on basic physical and cl	hemical properties
Physical state Colour	: Liquid : red.
Odour	: Characteristic odour.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: > 100 °C
Flammability	: Non flammable.
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	$2 > 100 ^{\circ}\text{C}$
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: ≈ 13.6
Viscosity, kinematic	: Not available
Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: Not available
Relative density	: ≈ 1.05
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable
9.2. Other information	
Other safety characteristics	
VOC content	: 0 g/l

SECTION 10: Stability and reactivity
10.1. Reactivity
Corrosive vapours.
10.2. Chemical stability
Not established.
10.3. Possibility of hazardous reactions
Not established.
10.4. Conditions to avoid
Direct sunlight. Extremely high or low temperatures.
10.5. Incompatible materials
Strong acids. Strong bases.
10.6. Hazardous decomposition products

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

SECTION 11: Toxicological information

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

Acute toxicity (oral)

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Acute toxicity (dermal) Acute toxicity (inhalation)	: Not classified : Not classified
SODIUM METASILICATE (6834-92-0)	
LD50 oral rat	1280 mg/kg
TETRAPOTASSIUM PYROPHOSPHATE (732	0-34-5)
LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: other:FMC Non-Definitive Dermal Toxicity Protocol (Number 7), Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal	> 2000 mg/kg
LC50 Inhalation - Rat	> 1.1 mg/l air Animal: rat, Guideline: other:FMC Acute Inhalation Toxicity Protocol Number 27, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Guideline: other:US EPA Toxic Substances Health Effect Test Guidelines, October, 1984; (PB82-232984) Acute Inhalation Toxicity Study., Guideline: other:Commission of the European Communities, Council Directive 67/548/EEC, Annex V, Part B.2.; May 1, 1987, Guideline: other:US EPA Pesticide Assessment Guidelines: Subdivision F, Hazard Evaluation: Human and Domestic Animals, Nov, 1984; 81-3 Acute Inhalation Study
DIPROPYLENE GLYCOL MONOMETHYL ET	HER (34590-94-8)
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rat	> 19020 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal rabbit	9510 mg/kg bodyweight Animal: rabbit, Animal sex: male, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal	9150 mg/kg
ISOTRIDECANOL ETHOXYLATE (EO 6 - 20)	(24938-91-8)
LD50 oral rat	200 – 2000 mg/kg
Skin corrosion/irritation	: Causes severe skin burns. pH: ≈ 13.6
SODIUM METASILICATE (6834-92-0)	
рН	>11.5
Serious eye damage/irritation	: Assumed to cause serious eye damage pH: ≈ 13.6
SODIUM METASILICATE (6834-92-0)	
рН	>11.5
Respiratory or skin sensitisation Additional information Germ cell mutagenicity	 Not classified Based on available data, the classification criteria are not met Not classified
Additional information Carcinogenicity Additional information	 Based on available data, the classification criteria are not met Not classified Based on available data, the classification criteria are not met
Reproductive toxicity Additional information	 Not classified Based on available data, the classification criteria are not met
STOT-single exposure Additional information	: Not classified : Based on available data, the classification criteria are not met
SODIUM METASILICATE (6834-92-0)	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure Additional information	: Not classified : Based on available data, the classification criteria are not met
	: Based on available data, the classification criteria are not met

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symptoms

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TETRAPOTASSIUM PYROPHOSPHATE (7320-34-5)		
NOAEL (oral, rat, 90 days)	500 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90- Day Oral Toxicity in Rodents)	
DIPROPYLENE GLYCOL MONOMETHYL ETH	ER (34590-94-8)	
NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat, Guideline: other:KANPOGYO No.700, YAKUHATSU No. 1039.61, and KIKYKU No. 1014.	
NOAEL (dermal, rat/rabbit, 90 days)	2850 mg/kg bodyweight Animal: rabbit, Animal sex: male, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)	
TETRASODIUM ETHYLENE DIAMINE TETRAACETATE (64-02-8)		
LOAEC (inhalation, rat, dust/mist/fume, 90 days)	0.015 mg/l air Animal: rat, Animal sex: female, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)	
NOAEL (oral, rat, 90 days)	≥ 500 mg/kg bodyweight Animal: rat	
Aspiration hazard : Additional information :	Not classified Based on available data, the classification criteria are not met	
11.2. Information on other hazards		
Other information		
Potential adverse human health effects and :	Based on available data, the classification criteria are not met	

SECTION 12: Ecological information	
12.1. Toxicity	
(acute) Hazardous to the aquatic environment, long-term :	Not classified
(chronic) SODIUM METASILICATE (6834-92-0)	
LC50 - Fish [1]	210 mg/l
TETRAPOTASSIUM PYROPHOSPHATE (7320-	-34-5)
LC50 - Fish [1]	> 100 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	> 100 mg/l Test organisms (species): Daphnia magna
EC50 - Other aquatic organisms [1]	> 100 mg/l
EC50 72h - Algae [1]	> 100 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
DIPROPYLENE GLYCOL MONOMETHYL ETH	ER (34590-94-8)
LC50 - Fish [1]	> 1000 mg/l Test organisms (species): Poecilia reticulata
EC50 - Other aquatic organisms [1]	1930 mg/l Test organisms (species): other aquatic crustacea:Acartia tonsa
EC50 72h - Algae [1]	> 969 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [1]	> 969 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
LOEC (chronic)	0.5 mg/l Test organisms (species): Daphnia magna Duration: '22 d'
NOEC (chronic)	≥ 0.5 mg/l Test organisms (species): Daphnia magna Duration: '22 d'

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TETRASODIUM ETHYLENE DIAMINE TETRA	AACETATE (64-02-8)
EC50 - Crustacea [1]	140 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	> 60 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
LOEC (chronic)	50 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	25 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	≥ 25.7 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) Duration: '35 d'
ISOTRIDECANOL ETHOXYLATE (EO 6 - 20)	(24938-91-8)
LC50 - Fish [1]	1 – 100 mg/l
EC50 - Crustacea [1]	1 – 100 mg/l
12.2. Persistence and degradability	
ULTRACLEAN 2000	
Persistence and degradability	Not established.
SODIUM METASILICATE (6834-92-0)	
Persistence and degradability	Rapidly degradable
TETRAPOTASSIUM PYROPHOSPHATE (732	20-34-5)
Persistence and degradability	Rapidly degradable
DIPROPYLENE GLYCOL MONOMETHYL ET	HER (34590-94-8)
Persistence and degradability	Rapidly degradable
TETRASODIUM ETHYLENE DIAMINE TETRA	AACETATE (64-02-8)
Persistence and degradability	Rapidly degradable
SODIUM XYLENESULPHONATE (1300-72-7)	
Persistence and degradability	Rapidly degradable
ISOTRIDECANOL ETHOXYLATE (EO 6 - 20)	(24938-91-8)
Persistence and degradability	Rapidly degradable
12.3. Bioaccumulative potential	
ULTRACLEAN 2000	
Bioaccumulative potential	Not established.
12.4. Mobility in soil	
No additional information available	
12.5. Results of PBT and vPvB assessment	
No additional information available	

12.6. Endocrine disrupting properties

No additional information available

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12.7. Other adverse effects	
ULTRACLEAN 2000	
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.
Ecological waste information	: Avoid release to the environment.

SECTION 14: Transport information

ADR	IMDG	ΙΑΤΑ	ADN	RID
I4.1. UN number or ID nu	imber	· · · · · · · · · · · · · · · · · · ·	'	
Not regulated for transport				
14.2. UN proper shipping	name			
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard cl	ass(es)	· · · · · · · · · · · · · · · · · · ·	,	
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group		· · · · · · · · · · · · · · · · · · ·	·	
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental haza	ırds	·,	·	
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated

14.6. Special precautions for user

Overland transport Not regulated

Transport by sea Not regulated

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Air transport Not regulated

Inland waterway transport Not regulated

Rail transport

Not regulated

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

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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

VOC Directive (2004/42)

VOC content

: 0 g/l

Detergent Regulation (648/2004)

Contains no ingredient(s) required to be listed according to the Detergent Regulation (648/2004).

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)

15.2. 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
Acute Tox. Not classified (Oral)	Acute toxicity (oral) Not classified
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
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B

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Full text of H- and EUH-statements:	
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

Safety Data Sheet (SDS), EU

This information is based on our current knowledge using information from our raw material suppliers and describes the product for health, safety and environmental purposes only. It should therefore not be interpreted as guaranteeing any specific property of the product. This information does not exempt the user from checking the product and in no way engages our responsibility as to the use for which it is intended.