

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

1.1. Product Identifier

Product form: Mixture
 Trade name: ECOCLEANSE ULTIMATE CONCENTRATE DISINFECTANT
 UFI: 5WQ4-S08G-P00K-GQQT

Product code: 99-01-007
 Type of product: Disinfectant

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

1.2.1. Relevant identified uses

Main use category: Professional use
 Industrial/Professional use spec: For professional use only
 Use of the substance/mixture: Hard surface cleaner for Kitchens and Catering.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier:
 Hygenex Ltd
 The Fulcrum
 Vantage Way
 Poole
 Dorset
 BH12 4NU
 UK
 Tel: +44 (0)1202 731555
 Fax: +44 (0)1202731666
 Email: sales@hygenex.co.uk

1.4 Emergency telephone number

Country	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 Birmingham	0344 892 0111	Only for healthcare professionals

SECTION 2: Hazards Identified

2.1. Classification of the substance or mixture

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

Skin corrosion/irritation, Category 2: H315
 Serious eye damage/eye irritation, Category 1: H318
 Hazardous to the aquatic environment — Acute Hazard, Category 1: H400
 Hazardous to the aquatic environment — Chronic Hazard, Category 2: H411
 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:

Hazard pictograms (CLP):



GHS05



GHS09

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Signal Word (CLP):	Danger
Contains:	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides, didecyldimethylammonium chloride
Hazard statements (CLP)	H315 - Causes skin irritation. H318 - Causes serious eye damage. H410 - Very toxic to aquatic life with long lasting effects
Precautionary Statements (CLP):	P264 - Wash hands thoroughly after handling. P273 - Avoid release to the environment. P280 - Wear eye protection, protective gloves. P302+P352 - IF ON SKIN: Wash with plenty of water. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P315 - Get immediate medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse. P391 - Collect spillage.

Section 2.3 Other Hazards:

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

3.1 Substances Not applicable

3.2. Mixtures

Name	Product Identifier	%	Classification according to Regulation (EC) No. 1272/2008 (CLP)
Alcohol Alkoxylate	CAS-No.: 166736-08-9 REACH-no: Exempt/Polymer	1 – 5	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	CAS-No.: 68424-85-1 EC-No.: 270-325-2 REACH-no: 01-2119965180-41	1 - 5	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1)
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine	CAS-No.: 2372-82-9 EC-No.: 219-145-8 REACH-no: 01-2119980592- 29	1 - 5	Acute Tox. 3 (Oral), H301 Skin Corr. 1B, H314 STOT RE 2, H373 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1)

Specific concentration limits:		
Name	Product Identifier	Specific concentration limits
Alcohol Alkoxylate	CAS-No.: 166736-08-9 REACH-no: Exempt/Polymer	(1 <C ≤ 10) Eye Irrit. 2, H319 (10 <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

First-aid measures general :	Get medical advice/attention if you feel unwell.
First-aid measures after inhalation :	Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact :	Wash skin with plenty of water.
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. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion :	Do NOT induce vomiting. Rinse mouth. Drink plenty of water. Get medical advice/attention.

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

Symptoms/effects after inhalation :	May cause respiratory irritation.
Symptoms/effects after skin contact :	Causes skin irritation.
Symptoms/effects after eye contact :	Causes serious eye damage.
Symptoms/effects after ingestion :	May cause gastrointestinal irritation, nausea, vomiting and diarrhoea

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

Immediate/special treatments	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Carbon dioxide. Dry powder. Foam.

5.2. Special hazards arising from the substance or mixture

No additional information available.

5.3. Advice for fire fighters

No additional information available.

SECTION 6: Accidental release measures

6.1.1. For non-emergency personnel

Emergency procedures: Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment: Use personal protective equipment as required

6.2. Environmental precautions

Avoid release to the environment

6.3. Methods and material for containment and cleaning up

For containment: Collect spillage.

Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling: Avoid contact with skin and eyes.

Hygiene measures: Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures: Does not require any specific or particular technical measures.

Storage conditions: Keep container closed when not in use.

Incompatible products: Oxidizing agent. Strong acids. Strong bases.

Special rules on packaging: Keep only in original container.

7.3. Specific end use(s)

No additional information available.

SECTION 8: Exposure Controls/personal protection

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

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8.2. Exposure controls

8.2.1. Appropriate engineering controls

No additional information available

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8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Safety glasses. ISO 16321-1

8.2.2.2. Skin protection

Skin and body protection:

Not required for normal conditions of use

Hand protection:

Chemical resistant gloves (according to European standard ISO 374-1 or equivalent).
Nitrile rubber gloves

Other skin protection

Materials for protective clothing: Not required for normal conditions of use.

8.2.2.3. Respiratory protection

Respiratory protection:

Not required for normal conditions of use

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

No additional information available

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Physical state	:Liquid
Colour	:Red
Appearance	:Liquid
Odour	:Odourless
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: $\geq 100^{\circ}\text{C}$
Flammability	: Not available
Explosive limits	: Not available
Lower explosive limit (LEL)	: Not available
Upper explosive limit (UEL) Flash point	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	:10.8
Viscosity, kinematic	: Not available
Solubility	:Soluble in water
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	:1.08
Relative vapour density at 20°C	: Not available
Particle size	: Not available
Particle size distribution	: Not available
Particle shape	: Not available
Particle aspect ratio	: Not available
Particle aggregation state	: Not available
Particle agglomeration state	: Not available
Particle specific surface area	: Not available
Particle dustiness	: Not available

9.2. Other information

No additional information only.

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SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

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

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

None under normal use.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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SECTION 11: Ecological Information

11.1 Information on toxicological effects

Acute toxicity (oral) :	Not classified
Acute toxicity (dermal) :	Not classified
Acute toxicity (inhalation) :	Not classified
Skin corrosion/irritation :	Causes skin irritation.
pH:	10.8
Serious eye damage/irritation :	Causes serious eye damage.
pH:	10.8
Respiratory or skin sensitisation :	Not classified
Germ cell mutagenicity :	Not classified
Carcinogenicity	Not classified
Reproductive toxicity :	Not classified
STOT-single exposure :	Not classified
STOT-repeated exposure :	Not classified
Aspiration hazard :	Not classified

N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine

STOT-repeated exposure May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard Not classified

SECTION 12: Ecological Information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) Very toxic to aquatic life

Hazardous to the aquatic environment, long-term (chronic) Toxic to aquatic life with long lasting effects

Alcohol Alkoxylate (166736-08-9)	
LC50 - Fish [1]	10 – 100 mg/l
EC50 - Crustacea [1]	10 – 100 mg/l
ErC50 other aquatic plants	10 – 100 mg/l

12.2 Persistence and degradability

No additional information available

12.3 Bioaccumulative potential

N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine (2372-82-9)

Partition coefficient n-octanol/water (Log Pow) -0.17

12.4 Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional waste regulation	: Dispose of in accordance with relevant local regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
European List of Waste (LoW, EC 2000/532)	20 01 29* - detergents containing dangerous substances

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SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

14.1 UN Number

UN-No. (ADR) : UN 3082
UN-No. (IMDG) : UN 3082
UN-No. (IATA) : UN 3082

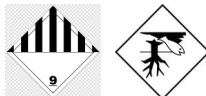
14.2 UN proper shipping name

Proper Shipping Name (ADR) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Proper Shipping Name (IMDG) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Proper Shipping Name (IATA) : Environmentally hazardous substance, liquid, n.o.s.
Transport document description (ADR) : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ALKYLDIMETHYLBENZYLAMMONIUM CHLORIDE, DIDECYL DIMETHYLAMMONIUM CHLORIDE), 9, III, (-)
Transport document description (IMDG) : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ALKYLDIMETHYLBENZYLAMMONIUM CHLORIDE, DIDECYL DIMETHYLAMMONIUM CHLORIDE), 9, III
Transport document description (IATA) : UN 3082 Environmentally hazardous substance, liquid, n.o.s. (ALKYLDIMETHYLBENZYLAMMONIUM CHLORIDE, DIDECYL DIMETHYLAMMONIUM CHLORIDE), 9, III

14.3 Transport hazard classes

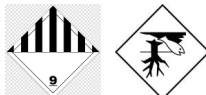
ADR

Transport hazard class(es) (ADR) : 9
Danger labels (ADR) : 9



IMDG

Transport hazard class(es) (IMDG): 9
Danger labels (IMDG): 9



IATA

Transport hazard class(es) (IATA): 9
Danger labels (IATA): 9



14.4 Packing group

Packing group (ADR) : III
Packing group (IMDG) : III
Packing group (IATA) : III

14.5 Environmental hazards

Dangerous for the environment : Yes (Environmentally hazardous substances derogation applies (quantity of liquids ≤ 5 litres or net mass of solids ≤ 5 kg). The environmentally hazardous substance mark is therefore not required, as stated in the ADR regulation, section 5.2.1.8.1.)

Marine pollutant : Yes (IMDG 5.2.1.6.1 derogation applies (quantity of liquids ≤ 5 litres or net mass of solids ≤ 5 kg))

Other information : No supplementary information available

14.6 Special precautions for user

Overland transport

Classification code (ADR) : M6
Special provisions (ADR) : 274, 335, 375, 601
Limited quantities (ADR) : 5I
Excepted quantities (ADR) : E1
Packing instructions (ADR) : P001, IBC03, LP01, R001
Special packing provisions (ADR) : PP1
Mixed packing provisions (ADR) : MP19
Portable tank and bulk container instructions (ADR) : T4
Portable tank and bulk container special provisions(ADR): TP1, TP29
Tank code (ADR) : LGBV
Vehicle for tank carriage : AT

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Transport category (ADR) :	3
Special provisions for carriage - Packages (ADR) :	V12
Special provisions for carriage - Loading, unloading and handling (ADR):	CV13
Hazard identification number (Kemler No.) :	90
Orange plates :	



Tunnel restriction code (ADR) :	-
EAC code :	*3Z

Transport by sea

Special provisions (IMDG) :	274, 335, 969
Limited quantities (IMDG) :	5 L
Excepted quantities (IMDG) :	E1
Packing instructions (IMDG) :	P001, LP01
Special packing provisions (IMDG) :	PP1
IBC packing instructions (IMDG) :	IBC03
Tank instructions (IMDG) :	T4
Tank special provisions (IMDG) :	TP2, TP29
EmS-No. (Fire) :	F-A
EmS-No. (Spillage) :	S-F
Stowage category (IMDG) :	A

Air transport

PCA Excepted quantities (IATA) :	E1
PCA Limited quantities (IATA) :	Y964
PCA limited quantity max net quantity (IATA) :	30kgG
PCA packing instructions (IATA) :	964
PCA max net quantity (IATA) :	450L
CAO packing instructions (IATA) :	964
CAO max net quantity (IATA) :	450L
Special provisions (IATA) :	A97, A158, A197
ERG code (IATA) :	9L

14.7 Maritime transport in bulk according to IMO instruments

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

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

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

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

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals) Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

CESIO recommendations

: 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.

Other information, restriction & prohibition regulations

: Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 and all its amendments and modifications. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 and all its amendments and modifications. Detergent Regulation (648/2004).

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15.1.2. National regulations

United Kingdom

British National Regulations : Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008. Detergent Regulation (648/2004/EC).

15.2 Chemical safety assessment

No additional information available

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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. Detergent Regulation (648/2004).

Full text of H- and EUH-statements:	
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H301	Toxic if swallowed.
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.
H373	May cause damage to organs through prolonged or repeated exposure.
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.
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:		
Skin Irrit. 2	H315	Calculation method
Eye Dam. 1	H318	Calculation method
Aquatic Acute 1	H400	Calculation method
Aquatic Chronic 2	H411	Calculation method

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.

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

HYGENEX

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