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

1.1. Product identifier

Product form	: Mixture
Trade name	: MIDA SAN 328 EC
UFI	: K31E-0TC4-8A1Y-HMWG
Product code	: A1451130
Type of product	: Detergent
Product group	: CFH Product

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	: Biocide
Function or use category	: TP2, TP4

Uses advised against

Restrictions on use	: The product should not be used for purposes other than those shown above without first referring to the supplier and obtaining written handling instructions

1.3. Details of the supplier of the safety data sheet

Manufacturer

Christeyns España, S.L.U.
C/ Científica Margarita Salas Falgueras, 2
P.I. Raconc
ES 46729 Ador - Valencia, Spain, Valencia
Spain
T +34 962 871 345, F +34 962 875 867
info.ES@christeyns.com, www.christeyns.com

Distributor

Casoria Company Ltd. Ltd
1 Farnham Street
IE H12 A9K0 Cavan, Co. Cavan
Ireland
T 00353 49 4361869, F 00353 49 436 1869
sds@casoria.ie, www.casoria.ie

Distributor

Christeyns UK Ltd
Rutland Street
BD4 7EA Bradford, West Yorkshire
United Kingdom
T 01274 393286, F 01274 309143
info@christeyns.co.uk

Distributor

Christeyns Technologies Ltd.
Mazars, Block 3, Harcout Centre, Harcourt Road
IE 2 Dublin
Ireland
T +353 1 8146022

Distributor

Christeyns Food Hygiene Ltd. Ltd
2, Cameron Court, Winwick Quay
GB WA2 8RE Warrington, Cheshire
United Kingdom
T +44 (0)1925 23 46 96
UK-foodinfo@christeyns.com, www.christeyns.com

1.4. Emergency telephone number

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

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 1	H318
Hazardous to the aquatic environment – Chronic Hazard, Category 3	H412

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

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

2.2. Label elements

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

Hazard pictograms (CLP) :

GHS05

Signal word (CLP) : Danger

Contains : Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides; Hydrogen peroxide; Ethylenediaminetetraacetic acid, tetrasodium salt solution

Hazard statements (CLP) : H315 - Causes skin irritation.
H318 - Causes serious eye damage.
H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP) : P264 - Wash hands, forearms and face thoroughly after handling.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing 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.

2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

Component	
Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides (68424-85-1), Ethylenediaminetetraacetic acid, tetrasodium salt solution (64-02-8)

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]
Hydrogen peroxide substance with national workplace exposure limit(s) (AT, BE, BG, CZ, DK, EE, ES, FI, FR, GB, GR, HR, IE, LT, PL, PT, SE, SK, IS, NO, CH)	CAS-no: 7722-84-1 EC-No.: 231-765-0 EC Index-No.: 008-003-00-9 REACH-no: 01-2119485845-22	≥ 10 – < 30	Ox. Liq. 1, H271 Acute Tox. 4 (Oral), H302 (ATE=431 mg/kg bodyweight) Acute Tox. 4 (Inhalation), H332 (ATE=1.5 mg/l/4h) Acute Tox. 4 (Inhalation:dust,mist), H332 (ATE=1.5 mg/l/4h) Skin Corr. 1A, H314 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Chronic 3, H412
Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides	CAS-no: 68424-85-1 EC-No.: 270-325-2	1 – 3	Acute Tox. 4 (Oral), H302 (ATE=795 mg/kg bodyweight) Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1)

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Ethylenediaminetetraacetic acid, tetrasodium salt solution	CAS-no: 64-02-8 EC-No.: 200-573-9 EC Index-No.: 607-428-00-2 REACH-no: 01-2119486762-27	1 – 3	Acute Tox. 4 (Oral), H302 (ATE=1780 mg/kg bodyweight) Acute Tox. 4 (Inhalation:gas), H332 (ATE=4500 ppmv/4h) Acute Tox. 4 (Inhalation:dust,mist), H332 (ATE=1 mg/l/4h) Eye Dam. 1, H318 STOT RE 2, H373

Specific concentration limits:		
Name	**Product identifier**	**Specific concentration limits (%)**
Hydrogen peroxide	CAS-no: 7722-84-1 EC-No.: 231-765-0 EC Index-No.: 008-003-00-9 REACH-no: 01-2119485845-22	(5 ≤ C < 8) Eye Irrit. 2; H319 (8 ≤ C < 50) Eye Dam. 1; H318 (35 ≤ C < 100) STOT SE 3; H335 (35 ≤ C < 50) Skin Irrit. 2; H315 (50 ≤ C < 70) Skin Corr. 1B; H314 (50 ≤ C < 70) Ox. Liq. 2; H272 (63 ≤ C < 100) Aquatic Chronic 3; H412 (70 ≤ C < 100) Skin Corr. 1A; H314 (70 ≤ C < 100) Ox. Liq. 1; H271

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Inhalation : Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. Allow the victim to rest.

Skin contact : Wash with plenty of water/…. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. Specific treatment (see supplemental first aid instruction on this label). Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash skin with plenty of water.

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. Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.

Ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a poison center or a doctor if you feel unwell.

First-aid measures for first aider : First aid workers will be equipped with suitable personal protective equipment.

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

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

Acute effects inhalation : None under normal conditions.

Acute effects skin : Causes skin irritation.

Acute effects eyes : Causes serious eye damage.

Acute effects oral route : None under normal conditions.

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 : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard : No fire hazard.

Explosion hazard : No direct explosion hazard.

Hazardous decomposition products in case of fire : Toxic fumes may be released.

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. Do not enter fire area without proper protective equipment, including respiratory protection.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.

For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.

Emergency procedures : Ventilate spillage area. Evacuate unnecessary personnel.

For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures : Ventilate area. Evacuate unnecessary personnel. Stop leak if safe to do so.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.

Methods for cleaning up : Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

See Section 8. Exposure controls and personal protection. For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use. May be corrosive to metals.

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. 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.

Hygiene measures : Wash hands, forearms and face thoroughly after handling. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep in a cool, well-ventilated place away from heat.

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use.

Incompatible products : Strong bases. Metals.

Incompatible materials : Sources of ignition. Direct sunlight. Metals.

Packaging materials : Store always product in container of same material as original container. Store in corrosive resistant container with a resistant inner liner.

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

Hydrogen peroxide (7722-84-1)	
Ireland - Occupational Exposure Limits	
Local name	Hydrogen peroxide
OEL TWA	1.5 mg/m³
	1 ppm

Hydrogen peroxide (7722-84-1)	
OEL STEL	3 mg/m³
	2 ppm
Remark	Advisory OELV (Advisory Occupational Exposure Limit Values)
Regulatory reference	Chemical Agents Code of Practice 2024
United Kingdom - Occupational Exposure Limits	
Local name	Hydrogen peroxide
WEL TWA (OEL TWA)	1.4 mg/m³
	1 ppm
WEL STEL (OEL STEL)	2.8 mg/m³
	2 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

8.2. Exposure controls

Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Personal protection equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Personal protective equipment symbol(s):

Eye and face protection

Eye protection:

Chemical goggles or safety glasses. Safety glasses

Skin protection

Protective equipment:

Wear suitable protective clothing

Hand protection:

Wear protective gloves.

Other skin protection

Materials for protective clothing:

Nitrile rubber

Respiratory protection

Respiratory protection:

Wear appropriate mask

Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Colour : Colourless.

Odour	: Characteristic.
Odour threshold	: Not available
Melting point/range	: Not applicable
Freezing point	: Not determined as it is not relevant for the characterization of the product
Boiling point/Boiling range	: Not determined as it is not relevant for the characterization of the product
Flammability	: Not determined as it is not relevant for the characterization of the product Non flammable.
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: Not determined as it is not relevant for the characterization of the product
Autoignition temperature	: Determination of the auto-ignition temperature is only relevant for pyrophoric liquids, however the mixture is not a pyrophoric liquid so the test is not required.
Decomposition temperature	: Not available
pH	: 5.3 – 5.7
pH solution concentration	: 100 %
Viscosity, kinematic	: Not available
Solubility	: soluble in water.
Partition coefficient n-octanol/water (Log Kow)	: Does not apply to inorganic and ionic liquids and does not generally apply to mixtures.
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: 1.07 g/ml
Relative density	: Not available
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

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

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 bases. Metals.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

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

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides (68424-85-1)	
LD50 oral rat	795 mg/kg

Hydrogen peroxide (7722-84-1)	
LD50 oral rat	431 mg/kg
LD50 dermal rabbit	6440 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	1.5 mg/l/4h
LC50 Inhalation - Rat (Vapours)	11 mg/l/4h

Ethylenediaminetetraacetic acid, tetrasodium salt solution (64-02-8)	
LD50 oral	1780 mg/kg
LC50 Inhalation - Rat	1 – 5 mg/l/4h

Ethylenediaminetetraacetic acid, tetrasodium salt solution (64-02-8)	
LC50 Inhalation - Rat (Dust/Mist)	1 – 5 mg/l/4h

Skin corrosion/irritation : Causes skin irritation.
pH: 5.3 – 5.7

Additional information : Based on available data, the classification criteria are not met

Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides (68424-85-1)	
pH	6 – 9

Ethylenediaminetetraacetic acid, tetrasodium salt solution (64-02-8)	
pH	11 – 12

Serious eye damage/irritation : Causes serious eye damage.
pH: 5.3 – 5.7

Additional information : Based on available data, the classification criteria are not met

Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides (68424-85-1)	
pH	6 – 9

Ethylenediaminetetraacetic acid, tetrasodium salt solution (64-02-8)	
pH	11 – 12

Respiratory or skin sensitisation : Not classified

Additional information : Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified

Additional information : Based on available data, the classification criteria are not met

Carcinogenicity : Not classified

Additional information : Based on available data, the classification criteria are not met

Hydrogen peroxide (7722-84-1)	
IARC group	3 - Not classifiable

Reproductive toxicity : Not classified

Additional information : Based on available data, the classification criteria are not met

STOT-single exposure : Not classified

Additional information : Based on available data, the classification criteria are not met

Hydrogen peroxide (7722-84-1)	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure : Not classified

Additional information : Based on available data, the classification criteria are not met

Hydrogen peroxide (7722-84-1)	
NOAEC (inhalation, rat, vapour, 90 days)	7 mg/l

Ethylenediaminetetraacetic acid, tetrasodium salt solution (64-02-8)	
LOAEL (oral, rat, 90 days)	1780 mg/kg bodyweight/day
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not classified

Additional information : Based on available data, the classification criteria are not met

Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides (68424-85-1)	
Viscosity, kinematic	131.055 – 133.744 mm²/s

11.2. Information on other hazards

Other information

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

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Ecology - water : Harmful to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short–term (acute) : Not classified

Hazardous to the aquatic environment, long–term (chronic) : Harmful to aquatic life with long lasting effects.

Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides (68424-85-1)	
LC50 - Fish [1]	0.85 mg/l
EC50 - Crustacea [1]	0.016 mg/l
EC50 72h - Algae [1]	0.02 mg/l
NOEC chronic crustacea	0.025 mg/l

Hydrogen peroxide (7722-84-1)	
LC50 - Fish [1]	16.4 mg/l
EC50 - Crustacea [1]	2.4 mg/l
EC50 72h - Algae [1]	2.62 mg/l
ErC50 algae	1.38 mg/l
NOEC chronic crustacea	0.63 mg/l

Ethylenediaminetetraacetic acid, tetrasodium salt solution (64-02-8)	
LC50 - Fish [1]	> 100 mg/l
EC50 - Crustacea [1]	> 500 mg/l
EC50 - Other aquatic organisms [1]	140 mg/l
EC50 72h - Algae [1]	> 100 mg/l
ErC50 algae	> 300 mg/l
NOEC chronic fish	≥ 25.7 mg/l

12.2. Persistence and degradability

MIDA SAN 328 EC	
Persistence and degradability	May cause long-term adverse effects in the environment. Not established.

Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides (68424-85-1)	
Persistence and degradability	Biodegradable.
Biodegradation	> 90 %

Hydrogen peroxide (7722-84-1)	
Persistence and degradability	Biodegradable.

Ethylenediaminetetraacetic acid, tetrasodium salt solution (64-02-8)	
Persistence and degradability	Rapidly degradable

12.3. Bioaccumulative potential

MIDA SAN 328 EC	
Partition coefficient n-octanol/water (Log Kow)	Does not apply to inorganic and ionic liquids and does not generally apply to mixtures.
Bioaccumulative potential	Not established.

Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides (68424-85-1)	
Partition coefficient n-octanol/water (Log Kow)	2.88
Bioaccumulative potential	No bioaccumulation.

Hydrogen peroxide (7722-84-1)	
Log Pow	-1.6

Hydrogen peroxide (7722-84-1)	
Bioaccumulative potential	No bioaccumulation.

12.4. Mobility in soil
No additional information available

12.5. Results of PBT and vPvB assessment

Component	
Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides (68424-85-1), Ethylenediaminetetraacetic acid, tetrasodium salt solution (64-02-8)

12.6. Endocrine disrupting properties
No additional information available

12.7. Other adverse effects

MIDA SAN 328 EC	
Other information	Avoid release to the environment.

Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides (68424-85-1)	
Other information	Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Sewage disposal recommendations : Disposal must be done according to official regulations.

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. Disposal must be done according to official regulations.

Additional information : Do not re-use empty containers.

Waste / unused products : Avoid release to the environment.

HP Code : HP8 - "Corrosive:" waste which on application can cause skin corrosion.
HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

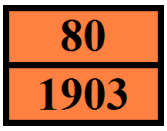
ADR	IMDG	IATA
14.1. UN number or ID number		
UN 1903	UN 1903	UN 1903
14.2. UN proper shipping name		
DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (CONTAINS : Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides)	DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (CONTAINS : Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides)	Disinfectant, liquid, corrosive, n.o.s. (CONTAINS : Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides)
Transport document description		
UN 1903 DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (CONTAINS : Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides), 8, III, (E)	UN 1903 DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (CONTAINS : Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides), 8, III	UN 1903 Disinfectant, liquid, corrosive, n.o.s. (CONTAINS : Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides), 8, III
14.3. Transport hazard class(es)		
8	8	8
		
14.4. Packing group		
III	III	III

ADR	IMDG	IATA
14.5. Environmental hazards		
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No
No supplementary information available		

14.6. Special precautions for user

Overland transport

Classification code (ADR) : C9
Special provisions (ADR) : 274
Limited quantities (ADR) : 5l
Packing instructions (ADR) : P001, IBC03, LP01, R001
Mixed packing provisions (ADR) : MP19
Tank code (ADR) : L4BN
Vehicle for tank carriage : AT
Transport category (ADR) : 3
Special provisions for carriage - Packages (ADR) : V12
Hazard identification number (Kemler No.) : 80
Orange plates :



Tunnel code : E
EAC code : 2X

Transport by sea

Special provisions (IMDG) : 223, 274
Limited quantities (IMDG) : 5 L
Packing instructions (IMDG) : P001, LP01
IBC packing instructions (IMDG) : IBC03

Air transport

PCA Limited quantities (IATA) : Y841
PCA limited quantity max net quantity (IATA) : 1L
PCA packing instructions (IATA) : 852
PCA max net quantity (IATA) : 5L
CAO packing instructions (IATA) : 856
CAO max net quantity (IATA) : 60L
Special provisions (IATA) : A3, A803

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

EU-Regulations

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

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

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

PIC Regulation (Prior Informed Consent)
Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)
Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

Detergent Regulation (EC 648/2004)

Labelling of contents	
Component	**%**
Oxygen-based bleaching agents	5-15%
EDTA and salts thereof, non-ionic surfactants, phosphonates	<5%
disinfectants	

Explosives Precursors Regulation (2019/1148)

Contains substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

ANNEX I RESTRICTED EXPLOSIVES PRECURSORS

List of substances which are not to be made available to, or introduced, possessed or used by, members of the general public, whether on their own or in mixtures or substances that include those substances, unless the concentration is equal to or lower than the limit values set out in column 2, and for which suspicious transactions and significant disappearances and thefts are to be reported within 24 hours.

Name	CAS-No.	Limit value	Upper limit value for licensing under Article 5(3)	Combined Nomenclature (CN) code for a separate chemically defined compound meeting the requirements of Note 1 to Chapter 28 or 29 of the CN, respectively	Combined Nomenclature code for mixture without constituents which would determine classification under another CN code
Hydrogen peroxide	7722-84-1	12 % w/w	35% w/w	2847 00 00	ex 3824 99 96

Drug Precursors Regulation (EC 273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes		
Section	**Changed item**	**Comments**
	UN-No. (RID)	**Added**
	Danger labels (ADN)	**Added**
	Proper Shipping Name (RID)	**Added**
	Hazard identification number (RID)	**Added**
	Colis express (express parcels) (RID)	**Added**
	Special provisions for carriage – Packages (RID)	**Added**
	Transport category (RID)	**Added**
	Tank codes for RID tanks (RID)	**Added**
	Mixed packing provisions (RID)	**Added**
	Packing instructions (RID)	**Added**
	Limited quantities (RID)	**Added**
	Special provisions (RID)	**Added**

Indication of changes		
Section	**Changed item**	**Comments**
	Packing group (RID)	**Added**
	Classification code (RID)	**Added**
	Special provisions (IATA)	**Added**
	CAO max net quantity (IATA)	**Added**
	CAO packing instructions (IATA)	**Added**
	PCA max net quantity (IATA)	**Added**
	PCA packing instructions (IATA)	**Added**
	PCA limited quantity max net quantity (IATA)	**Added**
	PCA Limited quantities (IATA)	**Added**
	Danger labels (IATA)	**Added**
	Proper Shipping Name (IATA)	**Added**
	Proper Shipping Name (IMDG)	**Added**
	Danger labels (IMDG)	**Added**
	Limited quantities (IMDG)	**Added**
	IBC packing instructions (IMDG)	**Added**
	Special provisions (IMDG)	**Added**
	Special provisions for carriage - Packages (ADR)	**Added**
	Tank code (ADR)	**Added**
	Mixed packing provisions (ADR)	**Added**
	Packing instructions (ADR)	**Added**
	Vehicle for tank carriage	**Added**
	Supersedes	**Added**
	Review date	**Added**
	Type of product	**Added**
	Display additional SDS EU addresses	**Added**
	Date first issue	**Added**
1.1	UFI on SDS 1.1	**Added**
1.1	Name	**Modified**
1.1	Product code	**Modified**
1.1	Trade name	**Modified**
1.1	Product group	**Added**
1.2	Use of the substance/mixture	**Modified**
1.2	Restrictions on use	**Added**
1.2	Function or use category	**Added**
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	**Modified**
2.1	Adverse physicochemical, human health and environmental effects	**Added**

Indication of changes		
Section	**Changed item**	**Comments**
2.2	Precautionary statements (CLP)	**Modified**
3	Composition/information on ingredients	**Modified**
4.1	First-aid measures for first aider	**Added**
4.1	Skin contact	**Modified**
4.1	Ingestion	**Modified**
4.1	Eye contact	**Modified**
4.1	Inhalation	**Modified**
4.2	Acute effects inhalation	**Added**
4.2	Acute effects oral route	**Added**
4.2	Symptoms/effects	**Added**
4.3	Other medical advice or treatment	**Added**
5.2	Explosion hazard	**Added**
5.2	Fire hazard	**Added**
5.2	Hazardous decomposition products in case of fire	**Added**
5.3	EAC code	**Added**
5.3	Protection during firefighting	**Modified**
5.3	Firefighting instructions	**Modified**
6.1	Protective equipment	**Added**
6.1	General measures	**Added**
6.1	Protective equipment	**Modified**
6.1	Emergency procedures	**Modified**
6.1	Emergency procedures	**Modified**
6.3	For containment	**Added**
6.3	Other information	**Added**
6.3	Methods for cleaning up	**Modified**
6.4	Reference to other sections (8, 13)	**Modified**
7.1	Additional hazards when processed	**Added**
7.1	Hygiene measures	**Modified**
7.1	Precautions for safe handling	**Modified**
7.2	Incompatible products	**Modified**
7.2	Incompatible materials	**Modified**
7.2	Packaging materials	**Added**
7.2	Technical measures	**Added**
8.2	Eye protection	**Modified**
8.2	Environmental exposure controls	**Added**
8.2	Appropriate engineering controls	**Added**
9	Log Kow	**Added**

Indication of changes		
Section	**Changed item**	**Comments**
9	Freezing point	**Added**
9	Flash point	**Added**
9	Boiling point/Boiling range	**Added**
9	Autoignition temperature	**Added**
9	Particle size	**Added**
9	Flammability (solid, gas)	**Added**
9	Density	**Added**
9	Relative density	**Removed**
9	Concentration of the solution used for the pH measurement	**Added**
9	pH	**Modified**
9	Melting point/range	**Added**
9	Solubility	**Added**
9.1	Explosive limits (g/m³)	**Added**
10.1	Reactivity	**Added**
10.5	Material(s) to avoid	**Modified**
11.1	Additional information	**Added**
11.1	Additional information	**Added**
12.1	Ecology - general	**Added**
12.1	Ecology - water	**Modified**
12.2	Persistence and degradability	**Modified**
13.1	Sewage disposal recommendations	**Added**
13.1	Additional information	**Added**
13.1	Regional legislation (waste)	**Added**
13.1	Product/Packaging disposal recommendations	**Modified**
13.1	Waste treatment methods	**Added**
14.1	UN-No. (ADN)	**Added**
14.1	UN-No. (ADR)	**Added**
14.1	UN-No. (IMDG)	**Added**
14.1	UN-No. (IATA)	**Added**
14.2	Proper Shipping Name (ADN)	**Added**
14.2	Proper shipping name	**Added**
14.3	Danger labels (RID)	**Added**
14.3	Danger labels (ADR)	**Added**
14.3	Class (ADR)	**Added**
14.4	Packing group (ADN)	**Added**
14.4	Packing group (IATA)	**Added**
14.4	Packing group (IMDG)	**Added**

Indication of changes		
Section	**Changed item**	**Comments**
14.4	Packing group (ADR)	**Added**
14.6	Packing instructions (IMDG)	**Added**
14.6	Transport category (ADR)	**Added**
14.6	Special provisions (ADR)	**Added**
14.6	Limited quantities (ADR)	**Added**
14.6	Tunnel code	**Added**
14.6	Hazard identification number (Kemler No.)	**Added**
14.6	Classification code (ADR)	**Added**
16	Abbreviations and acronyms	**Added**

Abbreviations and acronyms:	
ACGIH	American Conference of Government Industrial Hygienists
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
CAS-No.	Chemical Abstract Service number
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
COD	Chemical oxygen demand (COD)
CSA	Chemical safety assessment
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
ED	Endocrine disruptor
EN	European Standard
EWC	European waste catalogue
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
Log Kow	Partition coefficient n-octanol/water (Log Kow)
Log Pow	Partition coefficient n-octanol/water (Log Pow)
MAK	maximum workplace concentration
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
N.O.S.	Not Otherwise Specified

Abbreviations and acronyms:	
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
OSHA	Occupational Safety Health Administration
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
PPE	Personal protection equipment
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
TF	Technical function
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
TWA	Time Weighted Average
VOC	Volatile Organic Compounds
vPvB	Very Persistent and Very Bioaccumulative
UFI	Unique Formula Identifier

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 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Inhalation:gas)	Acute toxicity (inhalation:gas) Category 4
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
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
Ox. Liq. 1	Oxidising Liquids, Category 1
Ox. Liq. 2	Oxidising Liquids, Category 2
Skin Corr. 1A	Skin corrosion/irritation, Category 1, Sub-Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation
H271	May cause fire or explosion; strong oxidiser.
H272	May intensify fire; oxidiser.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.

Full text of H- and EUH-statements:	
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory 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.
H412	Harmful to aquatic life with long lasting effects.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:		
Skin Irrit. 2	H315	Calculation method
Eye Dam. 1	H318	Calculation method
Aquatic Chronic 3	H412	Calculation method

The classification complies with : ATP 12

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.