L04 Laundry Eco Bleach

Active oxygen bleaching agent

Electrolux Professional Ecolabel range contains efficient and environmentally friendly ingredients. Meeting the requirements of EU Ecolabel involves complying with extremely strict specifications, rigorous performance criteria, ultimate aerobic and anaerobic biodegradability and 100% recyclable packaging.
This product is part of a multicomponent system.

Use:

L04Laundry Eco Bleach is a stain remover for white and colored fabrics, active between 30°C and 70°C. Suitable for soiled and delicate textiles (wool, silk). L04Laundry Eco Bleach is not dangerous for fabrics and preserves colors.

Contains Hydrogen peroxide, acetic acid and peracetic acid.

Instructions for use:

- Wash at the minimal recommended temperature.
- Every time and for every kind of laundry, wash with the maximum weight possible.
- Follow the dosage instructions according to the water hardness and to the soiling levels.
- By using this product bearing the European Ecolabel in accordance with dosing recommendations, you help reduce water pollution and energy consumption.
- This product is included in a multi-components system.

DERMATOLOGICALLY TESTED

Patch test performed by a certified lab with cotton fabric washed with L02, L03, L04, L05

HYPOALLERGENIC

Product formulated to minimize the risk of sensitization

Recommended dosage for 1 kg of laundry

To wash as efficiently as possible and avoid waste, we advise you to get information about water hardness level in your area and to follow the instructions below:

Soft water	5 g/kg	10 g/kg	15 g/kg
Medium water	5 g/kg	10 g/kg	15 g/kg
Hard water	8 g/kg	10 g/kg	15 g/kg

Scan the QR code to view the safety data sheet

Physical-chemical properties

Density (20 °C)	1.115 g/ml
pH-value (at 1 %)	2.7

pH 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14

Packaging 20 L canister
Code 0W7RBD (PNC 432731141)

Safety and Transport

GHS03, GHS05, GHS07, GHS09, UN3149

Warnings:

- the product is for professional use only; do not use in domestic appliances.
- transport and storage must be done only in the original package, upright position.
- do not expose to sunlight and freezing temperatures.
- do not transfer in other bottles.
- do not mix with other products.
- to be used within 12 months after the production date.
- the package and containers are totally recyclable.
- please handle the emptied material according to the local recycling regulation.

L04 - Laundry Eco Bleach

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Date first issue: 7/08/2019 Review date: 7/08/2019 Version: 1.0

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

1.1. Product identifier

Product form	:	Mixture
Product name	:	L04 - Laundry Eco Bleach
Product code	:	555
Type of product	:	Detergent
Product group	:	Mixture

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,Professional use
Industrial/Professional use spec	:	For professional use only Industrial
Use of the substance/mixture	:	Stabilised mixture of peracetic acid, hydrogen peroxide, acetic acid and water

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Electrolux Laundry Systems Sweden AB
Ringvägen 14
341 80 Ljungby
T +46 372 66100 - F +46 372 80861
epr.chemicals@electroluxprofessional.com

1.4. Emergency telephone number

Emergency numbers: +44 1235 239670
+353 (01) 6147000 (NPIC Toll free)
+353 1890 289 389 (NPIC)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Ox. Liq. 2	H272
Met. Corr. 1	H290
Acute Tox. 4 (Oral)	H302
Acute Tox. 4 (Inhalation:dust,mist)	H332
Skin Corr. 1B	H314
STOT SE 3	H335
Aquatic Chronic 1	H410

Full text of hazard classes and H-statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP) :

GHS03 GHS05 GHS07 GHS09

CLP Signal word	:	Danger
Hazardous ingredients	:	peracetic acid; Hydrogen peroxide
Hazard statements (CLP)	:	H272 - May intensify fire; oxidiser. H290 - May be corrosive to metals. H302+H332 - Harmful if swallowed or if inhaled. H314 - Causes severe skin burns and eye damage. H335 - May cause respiratory irritation. H410 - Very toxic to aquatic life with long lasting effects.
Precautionary statements (CLP)	:	P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P234 - Keep only in original packaging. P260 - Do not breathe vapours, mist, spray. P280 - Wear protective gloves, protective clothing, eye protection, face protection. P284 - Wear respiratory protection. P303+P361+P353+P310 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.. 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. P403+P235 - Store in a well-ventilated place. Keep cool.
EUH-statements	:	EUH071 - Corrosive to the respiratory tract.

2.3. Other hazards

No additional information available

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]
Hydrogen peroxide	(CAS-no) 7722-84-1 (Einecs nr) 231-765-0 (EG annex nr) 008-003-00-9 (REACH-no) 01-2119485845-22	10 - 30	Ox. Liq. 1, H271 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Corr. 1A, H314 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Chronic 3, H412
Acetic acid	(CAS-no) 64-19-7 (Einecs nr) 200-580-7 (EG annex nr) 607-002-00-6 (REACH-no) 01-2119475328-30	5 - 10	Flam. Liq. 3, H226 Skin Corr. 1A, H314
peracetic acid	(CAS-no) 79-21-0 (Einecs nr) 201-186-8 (EG annex nr) 607-094-00-8 (REACH-no) 01-2119531330-56	3 - 5	Flam. Liq. 3, H226 Org. Perox. D, H242 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Corr. 1A, H314 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 (M=10)
Sulphuric acid substance with a Community workplace exposure limit substance with national workplace exposure limit(s) (GB, IE)	(CAS-no) 7664-93-9 (Einecs nr) 231-639-5 (EG annex nr) 016-020-00-8 (REACH-no) 01-2119458838-20	< 1	Skin Corr. 1A, H314

Specific concentration limits:

Name	Product identifier	Specific concentration limits
Hydrogen peroxide	(CAS-no) 7722-84-1 (Einecs nr) 231-765-0 (EG annex nr) 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
Acetic acid	(CAS-no) 64-19-7 (Einecs nr) 200-580-7 (EG annex nr) 607-002-00-6 (REACH-no) 01-2119475328-30	(10 =<C < 25) Eye Irrit. 2, H319 (10 =<C < 25) Skin Irrit. 2, H315 (25 =<C < 90) Skin Corr. 1B, H314 (90 =<C < 100) Skin Corr. 1A, H314

Specific concentration limits:

Name	Product identifier	Specific concentration limits
peracetic acid	(CAS-no) 79-21-0 (Einecs nr) 201-186-8 (EG annex nr) 607-094-00-8 (REACH-no) 01-2119531330-56	(1 =<C < 100) STOT SE 3, H335
Sulphuric acid	(CAS-no) 7664-93-9 (Einecs nr) 231-639-5 (EG annex nr) 016-020-00-8 (REACH-no) 01-2119458838-20	(5 =<C < 15) Skin Irrit. 2, H315 (5 =<C < 15) Eye Irrit. 2, H319 (15 =<C < 100) Skin Corr. 1A, H314

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice : In all cases of doubt, or when symptoms persist, seek medical attention.

Inhalation : Remove person to fresh air and keep comfortable for breathing. Give oxygen or artificial respiration if necessary.

Skin contact : Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER/doctor.

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.

Ingestion : Rinse mouth out with water. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

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

Acute effects inhalation : May cause respiratory irritation.

Acute effects skin : Burns.

Acute effects eyes : Corrosive to eyes.

Acute effects oral route : Harmful if swallowed. Burns to the gastric/intestinal mucosa.

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 : water in large amounts.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Heating may cause a fire.

Explosion hazard : Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

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

General measures : Evacuate area.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

Protective equipment : Wear recommended personal protective equipment.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Do not absorb in sawdust, paper, cloth or other combustible absorbents. Clean contaminated surfaces with an excess of water.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : May be corrosive to metals.

Precautions for safe handling : Use only outdoors or in a well-ventilated area.

Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep away from ignition sources. Store in a well-ventilated place. Keep cool. Store in original container.

Incompatible products : Strong bases. Strong acids.

Storage temperature : < 35 °C

Material(s) to avoid : Never mix with other materials.

Packaging materials : Keep only in the original container in a cool,well-ventilated place away from combustible materials.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

peracetic acid (79-21-0)		
Ireland	Local name	Peracetic acid
Ireland	OEL (15 min ref) (ppm)	0,4 ppm IFV (Inhlable Fraction and Vapour)
Ireland	Regulatory reference	Code of Practice for the Chemical Agents Regulations 2018

Sulphuric acid (7664-93-9)		
EU	Local name	Sulphuric acid (mist)
EU	IOELV TWA (mg/m³)	0,05 mg/m³
EU	Regulatory reference	COMMISSION DIRECTIVE 2009/161/EU
Ireland	Local name	Sulphuric acid
Ireland	OEL (8 hours ref) (ppm)	0,05 ppm
Ireland	Notes (IE)	IOELV
Ireland	Regulatory reference	Code of Practice for the Chemical Agents Regulations 2018
United Kingdom	Local name	Sulphuric acid
United Kingdom	WEL TWA (mg/m³)	0,05 mg/m³ mist
United Kingdom	Remark (WEL)	The mist is defined as the thoracic fraction
United Kingdom	Regulatory reference	EH40/2005 (Third edition, 2018). HSE

Acetic acid (64-19-7)		
EU	Local name	Acetic acid
EU	IOELV TWA (mg/m³)	25 mg/m³
EU	IOELV TWA (ppm)	10 ppm
EU	IOELV STEL (mg/m³)	50 mg/m³
EU	IOELV STEL (ppm)	20 ppm
EU	Regulatory reference	COMMISSION DIRECTIVE (EU) 2017/164
Ireland	Local name	Acetic acid
Ireland	OEL (8 hours ref) (mg/m³)	25 mg/m³
Ireland	OEL (8 hours ref) (ppm)	10 ppm
Ireland	OEL (15 min ref) (mg/m3)	37 mg/m³
Ireland	OEL (15 min ref) (ppm)	15 ppm
Ireland	Notes (IE)	IOELV
Ireland	Regulatory reference	Code of Practice for the Chemical Agents Regulations 2018
United Kingdom	Local name	Acetic acid
United Kingdom	WEL TWA (mg/m³)	25 mg/m³
United Kingdom	WEL TWA (ppm)	10 ppm
United Kingdom	WEL STEL (mg/m³)	50 mg/m³
United Kingdom	WEL STEL (ppm)	20 ppm

Acetic acid (64-19-7)		
United Kingdom	Regulatory reference	EH40/2005 (Third edition, 2018). HSE
Hydrogen peroxide (7722-84-1)		
EU	Local name	Hydrogen peroxide
EU	Notes	SCOEL Recommendations (Ongoing)
EU	Regulatory reference	SCOEL Recommendations
Ireland	Local name	Hydrogen peroxide
Ireland	OEL (8 hours ref) (mg/m³)	1,5 mg/m³
Ireland	OEL (8 hours ref) (ppm)	1 ppm
Ireland	OEL (15 min ref) (mg/m3)	3 mg/m³
Ireland	OEL (15 min ref) (ppm)	2 ppm
Ireland	Regulatory reference	Code of Practice for the Chemical Agents Regulations 2018
United Kingdom	Local name	Hydrogen peroxide
United Kingdom	WEL TWA (mg/m³)	1,4 mg/m³
United Kingdom	WEL TWA (ppm)	1 ppm
United Kingdom	WEL STEL (mg/m³)	2,8 mg/m³
United Kingdom	WEL STEL (ppm)	2 ppm
United Kingdom	Regulatory reference	EH40/2005 (Third edition, 2018). HSE

peracetic acid (79-21-0)	
DNEL/DMEL (Workers)	
Acute - systemic effects, dermal	High health hazard.
Acute - systemic effects, inhalation	0,6 mg/m³
Acute - local effects, dermal	0,12 % in mixture
Acute - local effects, inhalation	0,6 mg/m³
Long-term - systemic effects, dermal	High health hazard.
Long-term - local effects, dermal	High health hazard.
Long-term - systemic effects, inhalation	0,6 mg/m³
Long-term - local effects, inhalation	0,6 mg/m³
DNEL/DMEL (General population)	
Acute - systemic effects, inhalation	0,6
Acute - local effects, inhalation	0,3 mg/m³
Long-term - systemic effects, inhalation	0,6 mg/m³
Long-term - local effects, inhalation	0,6 mg/m³
PNEC (Water)	
PNEC aqua (freshwater)	0,000224 mg/l
PNEC aqua (marine water)	Testing technically not feasible
PNEC aqua (intermittent, freshwater)	Testing technically not feasible
PNEC aqua (intermittent, marine water)	Testing technically not feasible
PNEC (Sediment)	
PNEC sediment (freshwater)	0,00018 mg/kg dwt
PNEC sediment (marine water)	Testing technically not feasible
PNEC (Soil)	
PNEC soil	0,32 mg/kg dwt
PNEC (Oral)	
PNEC oral (secondary poisoning)	Not potentially bioaccumulable
PNEC (STP)	
PNEC sewage treatment plant	0,051 mg/l

8.2. Exposure controls

Personal protective equipment:

EN 374-1. EN 166. EN 13034. EN 140. EN 14387.

Materials for protective clothing:

Condition	Material	Standard
		EN 13034

Hand protection:

Chemical resistant PVC gloves (to European standard EN 374 or equivalent)

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
		6 (> 480 minutes)	0,4		EN ISO 374-1

Eye protection:

Safety glasses with side shields (EN 166)

Type	Use	Characteristics	Standard
			EN 166

Protective equipment:

Wear suitable protective clothing (EN 14605). Long sleeved protective clothing

Type	Standard
	EN 13034

Respiratory protection:

In case of inadequate ventilation wear respiratory protection. Extra personal protection: A/P2 filter respirator for organic vapour and harmful dust

Device	Filter type	Condition	Standard
	EN 14387		EN 140

Personal protective equipment symbol(s):

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
Physical state/form	:	Liquid.
Colour	:	Colourless.
Odour	:	acrid and pungent.
Odour threshold	:	No data available
pH	:	0,5 ± 0,2 (100%); 3,4 ± 0,5 (0,3%)
Relative evaporation rate (butylacetate=1)	:	No data available
Melting point/range	:	No data available
Freezing point	:	No data available
Boiling point/Boiling range	:	>= 100 °C
Flash point	:	> 80 °C
Autoignition temperature	:	> 250 °C
Decomposition temperature	:	>= 60 °C (SADT for <=1000L and 26m3 non-insulated tank)
Flammability (solid, gas)	:	Non flammable.
Vapour pressure	:	No data available
Relative vapour density at 20 °C	:	No data available
Relative density	:	No data available
Density	:	1,111 kg/l
Solubility	:	Water: Soluble
Log Pow	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	< 30 mPa·s
Explosive properties	:	Heating may cause a fire.
Oxidising properties	:	No data available
Explosive limits	:	No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable in use and storage conditions as recommended in item 7.

10.3. Possibility of hazardous reactions

Contact with alkaline products gives exothermic reaction. Heating may cause a fire or explosion.

10.4. Conditions to avoid

Direct sunlight. Heat. Sparks. Open flame.

10.5. Incompatible materials

Iron or steel. Copper and copper alloys. Galvanized steel. Strong acids. Strong bases. metals. Organic materials. Never mix with other materials.

10.6. Hazardous decomposition products

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

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Harmful if swallowed.

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Harmful if inhaled.

Additional information : Irritating to respiratory system and may cause a sore throat and cough
Ingestion: May cause burns to mouth throat or stomach. Serious injuries with risk of perforation.
Skin contact: Corrosive effect on skin and mucous membranes. Harmful in contact with skin.

ATE CLP (oral)	1015,232 mg/kg bodyweight
ATE CLP (dust,mist)	1,5 mg/l/4h
peracetic acid (79-21-0)	
LD50 oral	85 mg/kg
LD50 dermal	56,1 mg/kg
LC50 inhalation rat (Dust/Mist - mg/l/4h)	1,5 mg/l/4h
Sulphuric acid (7664-93-9)	
LD50 oral	2140 mg/kg bodyweight
LC50 inhalation rat (Dust/Mist - mg/l/4h)	375 mg/l
Acetic acid (64-19-7)	
LD50 oral	3310 mg/kg bodyweight
LC50 inhalation rat (Vapours - mg/l/4h)	> 40000 mg/l/4h
Hydrogen peroxide (7722-84-1)	
LD50 oral rat	431 mg/kg
LD50 dermal rabbit	6440 mg/kg
LC50 inhalation rat (Dust/Mist - mg/l/4h)	1,5 mg/l/4h
LC50 inhalation rat (Vapours - mg/l/4h)	> 0,17 mg/l/4h

Skin corrosion/irritation : Causes severe skin burns and eye damage.
pH: 0,5 ± 0,2 (100%); 3,4 ± 0,5 (0,3%)

Serious eye damage/irritation : Serious eye damage, category 1, implicit
pH: 0,5 ± 0,2 (100%); 3,4 ± 0,5 (0,3%)

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

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

STOT-single exposure : May cause respiratory irritation.

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

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

L04 - Laundry Eco Bleach	
Viscosity, kinematic	< 27,003 mm²/s

SECTION 12: Ecological information

12.1. Toxicity

Acute aquatic toxicity : Not classified

Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

Sulphuric acid (7664-93-9)	
LC50 fish 1	> 16 mg/l
EC50 other aquatic organisms 1	> 100 mg/l waterflea
EC50 other aquatic organisms 2	> 100 mg/l

Acetic acid (64-19-7)	
LC50 fish 1	> 1000 mg/l
EC50 Daphnia 1	> 300 mg/l
EC50 other aquatic organisms 1	> 1000 mg/l waterflea
ErC50 (algae)	> 300 mg/l

Hydrogen peroxide (7722-84-1)	
LC50 fish 1	16,4 mg/l
EC50 Daphnia 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

12.2. Persistence and degradability

peracetic acid (79-21-0)	
Persistence and degradability	Biodegradable. OECD 301E method (Ready biodegradability: Modified OECD Screening Test).

Acetic acid (64-19-7)	
Persistence and degradability	Readily biodegradable.

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

12.3. Bioaccumulative potential

peracetic acid (79-21-0)	
Log Kow	-0,26 (20°C)
Bioaccumulative potential	Not established.

Sulphuric acid (7664-93-9)	
Log Pow	-2,2

Acetic acid (64-19-7)	
Log Pow	-0,2
Bioaccumulative potential	No bioaccumulation.

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

No additional information available

12.6. Other adverse effects

Additional information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste / unused products : Collect all waste in suitable and labelled containers and dispose according to local legislation.

European List of Waste (LoW) code : 20 01 14* - acids

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA
14.1. UN number		
3149	3149	3149
14.2. UN proper shipping name		
HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE STABILIZED	HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE STABILIZED	Hydrogen peroxide and peroxyacetic acid mixture stabilized
Transport document description		
UN 3149 HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE STABILIZED, 5.1 (8), II, (E), ENVIRONMENTALLY HAZARDOUS	UN 3149 HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE STABILIZED, 5.1 (8), II, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS	UN 3149 Hydrogen peroxide and peroxyacetic acid mixture stabilized, 5.1, II, ENVIRONMENTALLY HAZARDOUS
14.3. Transport hazard class(es)		
5.1 (8)	5.1 (8)	5.1 (8)
		
14.4. Packing group		
II	II	II
14.5. Environmental hazards		
Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes
No supplementary information available		

14.6. Special precautions for user

- Overland transport

Classification code (ADR)	: OC1
Special provisions (ADR)	: 196, 553
Limited quantities (ADR)	: 1l
Packing instructions (ADR)	: P504, IBC02
Special packing provisions (ADR)	: PP10, B5
Mixed packing provisions (ADR)	: MP15
Portable tank and bulk container instructions (ADR)	: T7
Portable tank and bulk container special provisions (ADR)	: TP2, TP6, TP24
Tank code (ADR)	: L4BV(+)
Tank special provisions (ADR)	: TU3, TC2, TE8, TE11, TT1
Vehicle for tank carriage	: AT
Transport category (ADR)	: 2
Special provisions for carriage - Loading, unloading and handling (ADR)	: CV24
Hazard identification number (Kemler No.)	: 58
Tunnel code	: E
EAC code	: 2P

- Transport by sea

Special provisions (IMDG)	: 196
Packing instructions (IMDG)	: P504
Special packing provisions (IMDG)	: PP10
IBC packing instructions (IMDG)	: IBC02
IBC special provisions (IMDG)	: B5

- Air transport

PCA Limited quantities (IATA)	: Y540
PCA limited quantity max net quantity (IATA)	: 0.5L

PCA packing instructions (IATA)	: 550
PCA max net quantity (IATA)	: 1L
CAO packing instructions (IATA)	: 554
CAO max net quantity (IATA)	: 5L
Special provisions (IATA)	: A96

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

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Detergent Regulation : Labelling of contents:

Component	%
Oxygen-based bleaching agents	15-30%
phosphonates	<5%

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out
peracetic acid

SECTION 16: Other information

Abbreviations and acronyms:

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
ErC50 (algae)	ErC50 (algae)
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
SDS	Safety Data Sheet
STP	Sewage treatment plant
vPvB	Very Persistent and Very Bioaccumulative

Other information : It is recommended to pass the information of this safety data sheet in an appropriate form to the users. Such information is actually the best of our knowledge and believes accurate as reliable. This information relates to the specific material designated and may not be valid in combination with other products.
This safety data sheet is in compliance with 1907/2006/EEC. It is user's liabilities to take all necessary measures to meet local required laws and regulations. The producer is not responsable for any damage and loss due to the use of information mentioned in this safety data sheet.

Full text of H- and EUH-statements:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
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 (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
Flam. Liq. 3	Flammable liquids, Category 3
Met. Corr. 1	Corrosive to metals, Category 1
Org. Perox. D	Organic Peroxides, Type D
Ox. Liq. 1	Oxidising Liquids, Category 1
Ox. Liq. 2	Oxidising Liquids, Category 2
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H226	Flammable liquid and vapour.
H242	Heating may cause a fire.
H271	May cause fire or explosion; strong oxidiser.
H272	May intensify fire; oxidiser.
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
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.
EUH071	Corrosive to the respiratory tract.

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

Ox. Liq. 2	H272	Expert judgment
Met. Corr. 1	H290	Calculation method
Acute Tox. 4 (Oral)	H302	Expert judgment
Acute Tox. 4 (Inhalation:dust,mist)	H332	Expert judgment
Skin Corr. 1B	H314	Expert judgment
STOT SE 3	H335	Calculation method
Aquatic Chronic 1	H410	Expert judgment

SDS Christeyns (EC 2015/830)

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.