According to Regulation (EU) no 1907/2006 (REACH), Annex II, as amended in Commission Regulation (EU) No. 2020/878 of 18 June 2020.

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

1.1. Product identifier **Prod nr: 21067**

Trade name
PES 32

UFI code
XXMF-8M63-YF1Q-41EV

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

Relevant identified uses
Liquid detergent / disinfectants, for professional users.

Not suitable for use in
All other uses are discouraged.

1.3. Details of the supplier of the safety data sheet

Supplier
Premiere Produkter AS

Austbøsletta 6

4085 Hundvåg

Norway

+47 51 85 83 00

post@premiere-produkter.no

www.premiere-produkter.no

1.4. Emergency telephone number
Poison central tlf: (+47) 22 59 13 00

Available outside office hours Yes

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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Classification

Organic peroxides, Type F
Corrosive to metals, hazard category 1
Acute toxicity, oral, hazard category 4
Acute toxicity, dermal, hazard category 4
Acute toxicity, inhalation, hazard category 4
Skin corrosion, hazard category 1A
Serious eye damage, hazard category 1
Hazardous to the aquatic environment — Chronic hazard category 1

Hazard statements

H242, H290, H302 + H312 + H332, H314, H410

Supplemental hazard statements

EUH071

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms

Signal word

Danger

Hazard statements

H242 Heating may cause a fire.
H290 May be corrosive to metals.
H302 + H312 + H332 Harmful if swallowed, in contact with skin or if inhaled
H314 Causes severe skin burns and eye damage.
H410 Very toxic to aquatic life with long lasting effects.

Supplemental hazard statements

EUH071 Corrosive to the respiratory tract.

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Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P234 Keep only in original packaging.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302 + P350 IF ON SKIN: Gently wash with plenty of soap and 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.
P308 + P311 IF exposed or concerned: Call a POISON CENTER/doctor.
P501 Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

More information

Hazard components for labeling:
Hydrogen peroxide
Peracetic acid
acetic acid

2.3. Other hazards

This mixture does not contain any substances that are classified as PBT or vPvB according to Article 57 / Annex XIII of the REACH regulation.

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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical name	CAS No. EC No. REACH No. Index No.	Concentration	Classification	H-phrase M factor acute M factor chronic	Note
hydrogen peroxide	7722-84-1 231-765-0 01-2119485845-22-xxxx 008-003-00-9	≥25 - <30%	Ox. Liq. 1, Acute Tox. 4 - oral, Skin Corr. 1A, Acute Tox. 4 - inhalation	H271, H302, H314, H332 - -	Ox. Liq. 1; H271: C ≥ 70 % Ox. Liq. 2; H272: 50 % ≤ C < 70 % Skin Corr. 1A; H314: C ≥ 70 % Skin Corr. 1B; H314: 50 % ≤ C < 70 % Skin Irrit. 2; H315: 35 % ≤ C < 50 % Eye Dam. 1; H318: 8 % ≤ C < 50 % Eye Irrit. 2; H319: 5 % ≤ C < 8 % STOT SE 3; H335; C ≥ 35 %; B
acetic acid	64-19-7 200-580-7 01-2119475328-30-xxxx 607-002-00-6	≥5 - <10%	Flam. Liq. 3, Skin Corr. 1A	H226, H314 - -	Skin Corr. 1A; H314: C ≥ 90 % Skin Corr. 1B; H314: 25 % ≤ C < 90 % Skin Irrit. 2; H315: 10 % ≤ C < 25 % Eye Irrit. 2; H319: 10 % ≤ C < 25 %; B
peracetic acid	79-21-0 201-186-8 01-2119531330-56 607-094-00-8	4 - 6%	Flam. Liq. 3, Org. Perox. D, Acute Tox. 4 - oral, Acute Tox. 4 - dermal, Skin Corr. 1A, Acute Tox. 4 - inhalation, Aquatic Acute 1	H226, H242, H302, H312, H314, H332, H400 - -	STOT SE 3; H335: C ≥ 1 %; B D

Substance additional information

For the complete text of H- / EUH-statements mentioned in this section, see section 16.

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SECTION 4: First aid measures

4.1. Description of first aid measures

Description of first aid measures

First responders: Pay attention to self-protection.
Seek immediate medical attention/advice.

Inhalation

IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. In case of shortness of breath, give oxygen. If breathing has stopped, apply artificial respiration. Call a physician immediately.

Skin contact

Remove contaminated clothing and shoes. IF ON SKIN: Wash with plenty of soap and water. Call a physician immediately.

Eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.

Ingestion

If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician immediately.

Information for doctors

Show this safety data sheet to the doctor in attendance.

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

Immediate effects can be expected after long-term exposure. Symptoms of poisoning may not appear for several hours. Keep under medical supervision for at least 48 hours. Later control for pneumonia and lung oedema. Risk of serious damage to the lungs (by aspiration).

Inhalation

Corrosive to the respiratory tract

Skin contact

Causes skin burns.

Eye contact

Causes eye burns.

Ingestion

Causes digestive tract burns.

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

Treat symptomatically. For specialist advice physicians should contact the Poisons Information Service.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

water spray, extinguishing powder, foam or carbon dioxide

Unsuitable extinguishing media

high volume water jet - Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

Container may rupture on heating. May explode in fire. Oxidising properties . Hazardous decomposition products formed under fire conditions. carbon dioxide (CO2) carbon monoxide (CO) , Flammable gases . Vapours may form explosive mixture with air. Vapours are heavier than air and may spread along floors.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

In the event of fire, wear self contained breathing apparatus.

Measures in case of fire

In case of fire: Evacuate area and fight fire remotely due to the risk of explosion. Eliminate all ignition sources if safe to do so. In the event of fire, cool tanks with water spray. Pay attention to flashback. Flash back possible over considerable distance.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protective equipment. Avoid direct contact with the material / product. Avoid breathing vapors, mist or gas. Ensure adequate ventilation, especially in confined areas. In case of inadequate ventilation wear respiratory protection.

Immediately evacuate personnel to safe areas.

Remove all sources of ignition.

6.2. Environmental precautions

Suppress (knock down) gases/vapours/mists with a water spray jet. Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

6.3. Methods and material for containment and cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Ensure adequate ventilation, especially in confined areas.

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6.4. Reference to other sections

For information on storage and handling see section 7.
For personal protection see section 8.
For information on incompatible materials, see Section 10.
For information on disposal see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Preventive handling precautions

Wear personal protective equipment. Avoid direct contact with the material / product.

Avoid breathing vapors, mist or gas. Do not exceed the specified exposure limit values. Use only with adequate ventilation. In case of inadequate ventilation wear respiratory protection.

Take any precaution to avoid mixing with combustibles. Keep away from sources of ignition - No smoking. Keep away from heat. Keep away from direct sunlight.

Handle and open container with care.

General hygiene

Handle in accordance with good industrial hygiene and safety practice.
When using, do not eat, drink or smoke.
Wash hands before breaks and at the end of workday.

7.2. Conditions for safe storage, including any incompatibilities

Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Store in a place accessible by authorized persons only. Keep away from children. Do not store near combustible materials. Keep away from food, drink and animal feeding stuffs.

Storage class according to TRGS 510: 5.2 (organic peroxides and self-reactive hazardous substances)

Storage temperature: 10°C to 40°C

7.3. Specific end use(s)

See section 1.2: Liquid detergent / disinfectants,
PC8 - Biocidal products (e.g. Disinfectants, pest control)

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

National occupational exposure limits

Ingredient	CAS No. EC No.	Exposure limit ppm / mg/m³	Source	Remark	Year
acetic acid (EU)	64-19-7 200-580-7	10 25	2017/164	-	-

DNEL/DMEL

Product/Substance name (CAS No./EC No.)	Type	Exposure	Value	Population	Effects
hydrogen peroxide (7722-84-1/231-765-0)	DNEL	Chronic (long term) Inhalation	1.4 mg/m³	Workers	Local
hydrogen peroxide (7722-84-1/231-765-0)	DNEL	Chronic (long term) Inhalation	0.21 mg/m³	Consumers	Local
acetic acid (64-19-7/200-580-7)	DNEL	Chronic (long term) Inhalation	25 mg/m³	Workers	Local
acetic acid (64-19-7/200-580-7)	DNEL	Acute (short term) Inhalation	25 mg/m³	Workers	Local
peracetic acid (79-21-0/201-186-8)	DNEL	Chronic (long term) Inhalation	0.5 mg/m³	Workers	Local
peracetic acid (79-21-0/201-186-8)	DNEL	Acute (short term) Inhalation	0.6 mg/m³	Workers	Local
peracetic acid (79-21-0/201-186-8)	DNEL	Chronic (long term) Inhalation	0.56 mg/m³	Workers	Systemic
peracetic acid (79-21-0/201-186-8)	DNEL	Acute (short term) Inhalation	0.56 mg/m³	Workers	Systemic

PNEC/PEC

Product/Substance name (CAS No./EC No.)	Type	Environmental compartment	Value
hydrogen peroxide (7722-84-1/231-765-0)	PNEC	Freshwater	0.013 mg/l
hydrogen peroxide (7722-84-1/231-765-0)	PNEC	Marine water	0.013 mg/l
hydrogen peroxide (7722-84-1/231-765-0)	PNEC	Sediment (freshwater)	0.047 mg/kg
hydrogen peroxide	PNEC	Sediment (marine water)	0.047

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Product/Substance name (CAS No./EC No.)	Type	Environmental compartment	Value
(7722-84-1/231-765-0)			mg/kg
hydrogen peroxide (7722-84-1/231-765-0)	PNEC	Soil	0.0023 mg/kg
hydrogen peroxide (7722-84-1/231-765-0)	PNEC	Sewage Treatment Plant	4.66 mg/l
acetic acid (64-19-7/200-580-7)	PNEC	Freshwater	3.058 mg/l
acetic acid (64-19-7/200-580-7)	PNEC	Marine water	0.3058 mg/l
acetic acid (64-19-7/200-580-7)	PNEC	Sewage Treatment Plant	85 mg/l
acetic acid (64-19-7/200-580-7)	PNEC	Sediment (freshwater)	11.36 mg/kg
acetic acid (64-19-7/200-580-7)	PNEC	Sediment (marine water)	1.136 mg/kg
acetic acid (64-19-7/200-580-7)	PNEC	Soil	0.47 mg/kg
peracetic acid (79-21-0/201-186-8)	PNEC	Freshwater	0.069 µg/l
peracetic acid (79-21-0/201-186-8)	PNEC	Marine water	0.007 µg/l
peracetic acid (79-21-0/201-186-8)	PNEC	Sewage Treatment Plant	0.051 mg/l
peracetic acid (79-21-0/201-186-8)	PNEC	Sediment (freshwater)	0 mg/kg
peracetic acid (79-21-0/201-186-8)	PNEC	Soil	0.282 mg/kg
peracetic acid (79-21-0/201-186-8)	PNEC	Sediment (marine water)	0 mg/kg

8.2. Exposure controls

Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas. Do not exceed the specified exposure limit values.

Eye / face protection

Safety glasses with side-shields conforming to EN166

Hand protection
Butyl (butyl rubber) or NBR (nitrile rubber), category III according to EN 374.

The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

Other skin protection
protective suit : Neoprene , PVC .
Do not wear protective clothes containing cotton.

Respiratory protection
In the case of vapour formation use a respirator with an approved filter. Recommended Filter type: A2B2E2K1P2 (Draeger), OV/AG (3M), ABEK2P3 (3M)

In case of inadequate ventilation wear respiratory protection. suitable respiratory equipment: self-contained breathing apparatus

Thermal hazards
Not applicable.

Environmental exposure controls
Reference to other sections : SECTION 6: Accidental release measures ; SECTION 12: Ecological information

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state
Liquid

Colour
colourless

Odour
pungent

Odour threshold
Not determined for the mixture.

Melting point / freezing point
-30 - -26 °C

Boiling point or initial boiling point and boiling range
> 60 °C
Method
calculation method

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Flammability
Not determined for the mixture.

Lower and upper explosion limit
May form explosive mixtures in air.

Flash point
No data available

Auto-ignition temperature
not auto-flammable

Decomposition temperature
Not determined for the mixture.

pH
1

Kinematic viscosity
1,208 mm2/s (20 °C, OECD 114); 0,814 mm2/s (40 °C, DIN 51562)

Viscosity, dynamic
Not determined for the mixture.

Solubility
Water soluble

Water solubility
completely soluble

Partition coefficient n-octanol/water
Not determined for the mixture.

Vapour pressure
14.1 hPa

Density and/or relative density
1.1261 g/cm³
Method
OECD 109

Relative vapour density
Not determined for the mixture.

Evaporation Rate
Not determined for the mixture.

Explosive properties
Vapours may form explosive mixtures with air.

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Oxidising properties

The product / mixture has no oxidizing properties.

Method

UN Test O.2 (oxidizing liquids): Negativ

VOC %

5 - 6 %

Particle characteristics

This product / mixture does not contain any nanomaterials or nanoforms as defined in Regulation (EC) 1907/2006.

9.2. Other information

Minimum ignition temperature : 435 °C (DIN 51794)

SECTION 10: Stability and reactivity

10.1. Reactivity

To avoid thermal decomposition, do not overheat. Heating may cause an explosion.

10.2. Chemical stability

Stable at normal conditions No decomposition if stored and applied as directed.
Decomposes on heating. (explosive)

10.3. Possibility of hazardous reactions

Container may rupture on heating. explosive - Vapours may form explosive mixture with air.

10.4. Conditions to avoid

Keep away from fire, sparks and heated surfaces.

10.5. Incompatible materials

Impurities , Metals , heavy metal salts , reducing agents , bases , amines , hydrocarbons , organic solvent
Monomer - Hazardous polymerisation may occur.
Keep away from combustible materials.

10.6. Hazardous decomposition products

For information on combustion products, see Section 5.
Explosive - Hazardous decomposition products formed under fire conditions.

Thermal decomposition : steam , Oxygen , acetic acid

SECTION 11: Toxicological information

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

Acute toxicity

Harmful by inhalation, in contact with skin and if swallowed.
Toxicology data for the components :

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Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Duration of exposure	Test animals	Method / Guideline	Remarks
acetic acid 64-19-7 / 200-580-7	LD50	1.130 mg/kg	Dermal	-	rabbit	-	-
acetic acid 64-19-7 / 200-580-7	LC50	5.620 mg/l	Inhalation	1 h	mouse	-	-
peracetic acid 79-21-0 / 201-186-8	LD50	652 mg/kg	Oral	-	rat	-	-
peracetic acid 79-21-0 / 201-186-8	LC50	204 mg/m3	Inhalation	4 h	rat	-	-
peracetic acid 79-21-0 / 201-186-8	LD50	1.957 mg/kg	Dermal	-	rabbit	-	-
hydrogen peroxide 7722-84-1 / 231-765-0	LC50	2000 mg/l	Inhalative	4h	rat	8-<35% sol.	GESTIS
hydrogen peroxide 7722-84-1 / 231-765-0	LD50	910 mg/kg	Oral	-	rat	20-60% sol.	GESTIS
hydrogen peroxide 7722-84-1 / 231-765-0	LD50	>2000 mg/kg	Dermal	-	rabbit	-	ECHA
acetic acid 64-19-7 / 200-580-7	LD50	3.310 mg/kg	Oral	-	rat	-	-

Skin corrosion/irritation
Causes severe skin burns and eye damage.

Serious eye damage/irritation
Causes serious eye damage.

Respiratory or skin sensitisation
Corrosive to the respiratory tract

Germ cell mutagenicity
Based on the available data, the classification criteria are not met.

Genotoxicity
Based on the available data, the classification criteria are not met.

Carcinogenicity
Based on the available data, the classification criteria are not met.

Reproductive toxicity
Based on the available data, the classification criteria are not met.

STOT-single exposure
Corrosive to the respiratory tract

STOT-repeated exposure
Based on the available data, the classification criteria are not met.

Aspiration hazard
Based on the available data, the classification criteria are not met.

11.2. Information on other hazards

Endocrine disrupting properties
The mixture / product does not contain any ingredients with endocrine disrupting properties in terms of regulations (EC) 1907/2006 and (EU) 2018/605 and the delegated regulation (EU) 2017/2100.

SECTION 12: Ecological information

12.1. Toxicity

Toxicity
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Toxicology data for the components :

Acute fish toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Remark
acetic acid 64-19-7 / 200-580-7	LC50	> 300,8 mg/l	96 h	-	-
peracetic acid 79-21-0 / 201-186-8	LC50	1,1 mg/l	96 h	-	-
hydrogen peroxide 7722-84-1 / 231-765-0	LC50	16,4 mg/l	96h	Pimephales promelas (fathead minnow)	ECHA

Acute algae toxicity

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Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline	Remark
hydrogen peroxide 7722-84-1 / 231-765-0	EC50	5,74 mg/l	96h	algae	Average value	GESTIS
acetic acid 64-19-7 / 200-580-7	ErC50	> 300,8 mg/l	72h	-	-	-
peracetic acid 79-21-0 / 201-186-8	ErC50	0,16 mg/l	72 h	-	-	-

Acute crustacean toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Remark
peracetic acid 79-21-0 / 201-186-8	EC50	0,27 mg/l	48 h	-	-
hydrogen peroxide 7722-84-1 / 231-765-0	LC50	2,4 mg/l	48h	Daphnia pulex (Water flea)	ECHA
acetic acid 64-19-7 / 200-580-7	EC50	> 300,8 mg/l	48h	Daphnia magna (Water flea)	-

Micro-/macro organism toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
peracetic acid 79-21-0 / 201-186-8	EC50	38,6 mg/l	3 h	Microorganisms

12.2. Persistence and degradability

Persistence and degradability

98 % (28 d, OECD 301 E)
Readily biodegradable

12.3. Bioaccumulative potential

Bioaccumulative potential

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Product / Substance name CAS / EC no.	LogKow / LogPow	Bioconcentration factor (BCF)	Remark
Product -	-0,26	3,16	QSAR , calculation method

12.4. Mobility in soil

Mobility

No information available

12.5. Results of PBT and vPvB assessment

This mixture does not contain any substances that are classified as PBT or vPvB according to Article 57 / Annex XIII of the REACH regulation.

12.6. Endocrine disrupting properties

The mixture / product does not contain any ingredients with endocrine disrupting properties in terms of regulations (EC) 1907/2006 and (EU) 2018/605 and the delegated regulation (EU) 2017/2100.

12.7. Other adverse effects

Other adverse effects

This product / mixture does not contain any substances within the meaning of Regulation (EC) No. 1005/2009 that deplete the ozone layer.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal considerations

Dispose of as hazardous waste in compliance with local and national regulations.

Packaging

Do not re-use empty containers. Empty containers should be taken for local recycling, recovery or waste disposal.
Contaminated packaging : Dispose of as unused product.

Waste code	Waste description
16 09 03*	peroxides, for example hydrogen peroxide

Please note - an asterisk (*) next to a code denotes that it is HAZARDOUS WASTE.

SECTION 14: Transport information

14.1. UN number

3149

14.2. UN proper shipping name

ADR / RID / ADN proper shipping name

HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE, STABILIZED

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IMDG proper shipping name
HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE, STABILIZED

14.3. Transport hazard class(es)

Label
ADR/RID/ADN

8 *5.1* *Environmental hazard*

ADR / RID Class
5.1

ADR / RID Classification code
OC1

ADR / RID hazard identification number
58

IMDG Class
5.1

IATA Class
5.1

ADN Class
5.1

ADN Class Code
OC1

14.4. Packing group
II

14.5. Environmental hazards

Environmental hazards
Yes (Hydrogen peroxide , Peracetic acid)

IMDG Marine Pollutant
Yes (Hydrogen peroxide , Peracetic acid)

14.6. Special precautions for user

Special precautions for user
Handle in accordance with good industrial hygiene and safety practice. Keep away from heat.

IMDG EmS
F-H, S-Q

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14.7. Maritime transport in bulk according to IMO instruments

-

Other

Additional information ADR-RID

LQ: 1 L
EQ: E2
Transport category (tunnel restriction code): 2 (E)
Special Provisions Handling : CV24

Additional information IATA (ICAO)

Packing instruction (cargo aircraft) : 554
Packing instruction (cargo aircraft) : 550
Packing instruction (LQ) : Y540 Packing group : II

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No. 648/2004 (detergents)
Ingredients according to Annex VII: 15 - 30% oxygen-based bleaching agents

Regulation (EC) No. 1272/2008 (CLP)

EU Regulation (EC) No. 1907/2006 (REACH)
Substances subject to authorization according to Annex XIV: not applicable
Substance restrictions according to Annex XVII: not applicable
Substances on the REACH candidate list (SVHC): not applicable

Regulation (EU) No. 528/2012 (BPR)
Active ingredients: Hydrogen peroxide (CAS: 7722-84-1), Peracetic acid (CAS: 79-21-0)

Regulation (EU) 2019/1148 (explosives)
Restricted raw material according to Annex I: Hydrogen peroxide (CAS: 7722-84-1)
Notifiable raw materials according to Annex II: not applicable

Directive 2011/65 / EU (ROHS 2)
Substance restrictions according to Annex II: not applicable

Regulation (EU) 2019/1021 (POP)
Persistent organic pollutants: not applicable

Directive 2012/18/EU (Seveso III)
Seveso hazard category:
E1 - Hazardous to the aquatic environment : Lower quantity threshold: 100 t / Upper quantity threshold: 200 t
P6b - Self-reactive substances and mixtures and Organic peroxides : Lower quantity threshold: 50 t / Upper quantity threshold: 200 t

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National regulations
In addition, comply with all national and local regulations for the handling of chemicals.

Other regulations, limitations and legal regulations
Take note of Dir 94/33/EC on the protection of young people at work.

15.2. Chemical safety assessment
The mixture has not been subjected to a safety assessment.

SECTION 16: Other information

Changes to previous revision
Adaptation to the amending regulation (EU) 2020/878
Section 2. Hazards identification : Entfernung H335

Abbreviations
ADN - Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
ADR - Accord relatif au transport international des marchandises Dangereuses par Route
CAS - Chemical Abstract Service
CLP - Classification, Labelling and Packaging
DMEL - Derived Minimum Effect Level
DNEL - Derived no effect level
EC50 - Half maximal effective concentration 50%
GHS - Globally Harmonised System
IATA - International Air Transport Association
IMDG - International Maritime Dangerous Goods
LC50 - Lethal concentration 50%
LD50 - Lethal dosis 50 %
MARPOL - International Convention for the Prevention of Pollution from Ships
PBT - Persistent, bioaccumulative and toxic substance
PEC - Predicted Environmental Concentration
PNEC - predicted no effect concentration
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals
RID - Reglement concernant le transport international ferroviaire de marchandises Dangereuses
SVHC - Substance of very high concern
vPvB - Very persistent, very bioaccumulative substance

References to key literature and data sources
REACH registration dossiers
ECHA C&L - Inventory
Safety data sheets from raw material suppliers

LAVO DES PES 32

Version number: 7.1
Issued: 2023-01-19
Replaces SDS: 2022-05-30

Evaluation methods for classification

Classification for mixtures and used evaluation method according to Article 9 of regulation (EC) 1272/2008 [CLP]:
Physical hazards: Bridging principles
Health hazards: calculation method
Environmental hazards: calculation method

Phrase meaning

Ox. Liq. 1 - Oxidising liquids, hazard category 1
Acute Tox. 4 - oral - Acute toxicity, oral, hazard category 4
Skin Corr. 1A - Skin corrosion, hazard category 1A
Acute Tox. 4 - inhalation - Acute toxicity, inhalation, hazard category 4
Flam. Liq. 3 - Flammable liquids, hazard category 3
Org. Perox. D - Organic peroxides, Type D
Acute Tox. 4 - dermal - Acute toxicity, dermal, hazard category 4
Aquatic Acute 1 - Hazardous to the aquatic environment — Acute hazard category 1
H226 Flammable liquid and vapour.
H242 Heating may cause a fire.
H271 May cause fire or explosion; strong oxidiser.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H332 Harmful if inhaled.
H400 Very toxic to aquatic life.

Other

Additional information

This safety data sheet is prepared in accordance with Commission Regulation (EU) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878.

Manufacturer's notes

Legal disclaimer: The above information is believed to be correct. This company shall not be held liable for any damage resulting from handling or from contact with the above product.