

Printing date 25.01.2024 Version number 1.02 (replaces version 1.01) Revision: 25.01.2024

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

· 1.1 Product identifier

· Sector of Use

PERADES FOAM OXY · Trade name:

· 1.2 Relevant identified uses of the substance or mixture

and uses advised against

No further relevant information available.

Industrial uses: Uses of substances as such or in SU3

preparations at industrial sites

PC35 Washing and cleaning products (including solvent based · Product category

products)

· Application of the substance

/ the mixture

Acidic cleaning product for use in food industry.

Acidic detergent

· 1.3 Details of the supplier of the safety data sheet

· Manufacturer/Supplier: Tensio

> Doornpark 36 9120 Beveren Belaium

Tel.: +32 3 755 48 74 Fax.: +32 3 755 51 55 e-mail: info@tensio.be

· Further information obtainable from:

Product Safety Departement: SDS@tensio.be

· 1.4 Emergency telephone

number:

+44 700 393 7989

België / Belgique: Antigifcentrum / Centre Antipoison: +32 70 245

Nederland: Nationaal Vergiftigingen Informatie Centrum: +31 30

274 88 88

Members of the public seeking specific information on poisons

should contact:

In England and Wales: NHS 111 - dial 111

In Scotland: NHS 24 - dial 111

2 Hazards identification

· 2.1 Classification of the substance or mixture

· Classification according to Regulation (EC) No 1272/2008

Ox. Liq. 2 H272 May intensify fire; oxidiser. H290 May be corrosive to metals. Met. Corr.1 Acute Tox. 4 H302 Harmful if swallowed.

Acute Tox. 4 H312 Harmful in contact with skin.

Skin Corr. 1C H314 Causes severe skin burns and eye damage. Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

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· 2.2 Label elements

· Labelling according to

Regulation (EC) No 1272/2008 The product is classified and labelled according to the GB CLP

regulation.

· Hazard pictograms









HS03 GHS05 GHS07 GHS0

· **Signal word** Danger

· Hazard-determining

components of labelling: hydrogen peroxide solution

acetic acid peracetic acid

· **Hazard statements** H272 May intensify fire; oxidiser.

H290 May be corrosive to metals.

H302+H312 Harmful if swallowed or in contact with skin.
H314 Causes severe skin burns and eye damage.
H411 Toxic to aquatic life with long lasting effects.

• **Precautionary statements** P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye

protection/face protection/hearing protection.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce

vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all

contaminated clothing. Rinse skin with water [or

shower].

P304+P340 IF INHALED: Remove person to fresh air and

keep comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for

several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

• Additional information: EUH071 Corrosive to the respiratory tract.

Product contains: Reportable explosives precursors. Making available, introduction, possession and use according to Regulation

(EU) 2019/1148, Article 9.

· 2.3 Other hazards

· Results of PBT and vPvB assessment

PBT: Not applicable.vPvB: Not applicable.



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3 Composition/information on ingredients

· 3.2 Mixtures

• **Description:** Mixture of substances listed below with nonhazardous additions.

CAS: 7722-84-1	hydrogen peroxide solution	10–25%
EINECS: 231-765-0 Reg.nr.: 01-2119485845-22- XXXX	© Ox. Liq. 1, H271; Skin Corr. 1A, H314; Acute Tox. 4, H302; Acute Tox. 4, H332 Specific concentration limits: 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: C ≥ 8 % Eye Irrit. 2; H319: 5 % ≤ C < 8 % STOT SE 3; C ≥ 35 %	70 2070
CAS: 64-19-7	acetic acid	≥2.5–<10%
EINECS: 200-580-7	 Flam. Liq. 3, H226; Skin Corr. 1A, H314; Acute Tox. 4, H312 Specific concentration limits: 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 % 	
CAS: 26183-52-8	Decan-1-ol, ethoxylated Aquatic Acute 1, H400; Eye Irrit. 2, H319	≥0.25–<2.5%
CAS: 79-21-0 EINECS: 201-186-8	peracetic acid	≥1–<2.5%

4 First aid measures

· 4.1 Description of first aid measures

• **General information:** Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the

accident.

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· After inhalation: Seek medical treatment in case of complaints.

In case of unconsciousness place patient stably in side position for

transportation.

· After skin contact: If skin irritation continues, consult a doctor.

Immediately wash with water and soap and rinse thoroughly.

· After eye contact: Rinse opened eye for several minutes under running water. Then

consult a doctor.

· After swallowing: Call for a doctor immediately.

· 4.2 Most important symptoms and effects, both acute and

delayed Skin contact: burns, pain, redness.

Eye contact: lesions, irritations, pain, tearing, redness.

· Hazards Danger of gastric perforation.

· 4.3 Indication of any

immediate medical attention

and special treatment needed Treat symptomatically. An eyewash is recommended in the

immediate work area.

5 Firefighting measures

· 5.1 Extinguishing media

Suitable extinguishing

agents: Water

Water haze

· For safety reasons unsuitable

extinguishing agents: Foam

Extinguishing powder

· 5.2 Special hazards arising

from the substance or

No further relevant information available. mixture

· 5.3 Advice for firefighters

· Protective equipment: No special measures required.

6 Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation

Wear protective equipment. Keep unprotected persons away.

· 6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course

or sewage system.

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

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· 6.3 Methods and material for

containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders,

universal binders, sawdust).

Use neutralising agent.

Dispose contaminated material as waste according to section 13.

· 6.4 Reference to other

sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

· 7.1 Precautions for safe

handling Keep away from heat and direct sunlight.

Do not seal receptacles gas-tight.

Do not refill residue into storage receptacles. Restrict the quantity stored at the work place.

· Information about fire - and

explosion protection: No special measures required.

· 7.2 Conditions for safe storage, including any incompatibilities

· Storage:

· Requirements to be met by

storerooms and receptacles: Store only in the original receptacle.

Provide ventilation for receptacles.

Store in a cool location.

· Information about storage in

one common storage facility: Store away from flammable substances.

· Further information about

storage conditions: Protect from contamination.

Store in a cool place. Heat will increase pressure and may lead to

the receptacle bursting. Keep container tightly sealed.

· 7.3 Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

· 8.1 Control parameters

· Ingredients with limit values that require monitoring at the workplace:

CAS: 7722-84-1 hydrogen peroxide solution (10-25%)

WEL (Great Britain) Short-term value: 2.8 mg/m³, 2 ppm

Long-term value: 1.4 mg/m³, 1 ppm

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CAS: 64-19-7 acetic acid (≥2.5-<10%)

WEL (Great Britain) | Short-term value: 50 mg/m³, 20 ppm

Long-term value: 25 mg/m³, 10 ppm

IOELV (EU) Short-term value: 50 mg/m³, 20 ppm

Long-term value: 25 mg/m³, 10 ppm

• Additional information: The lists valid during the making were used as basis.

· 8.2 Exposure controls

· Appropriate engineering

controls No further data; see section 7.

· Individual protection measures, such as personal protective equipment

· General protective and

hygienic measures: Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work.

Avoid contact with the skin.

Avoid contact with the eyes and skin.

Respiratory protection: Use suitable respiratory protective device only when aerosol or

mist is formed.

Short term filter device:

Filter ABEK-P3

· Hand protection



Protective gloves

The glove material has to be impermeable and resistant

to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

• Material of gloves The selection of the suitable gloves does not only depend on the

material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the

application.

· Penetration time of glove

material

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

• Eye/face protection



Tightly sealed goggles



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9 Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

Physical state
Colour:
Odour:
Odour threshold:
Fluid
Colourless
Pungent
Not determined.

• Melting point/freezing point: Undetermined.

· Boiling point or initial boiling point and

boiling range 100 °C

· Flammability Not applicable.

· Lower and upper explosion limit

· Lower:4 Vol %· Upper:17 Vol %· Flash point:> 60 °C· Auto-ignition temperature:485 °C

· Decomposition temperature (SADT): Not determined.

· pH at 20 °C 1.07

· Viscosity:

· Kinematic viscosity at 40 °C 1 mm²/s · Dynamic at 20 °C: <10 mPas

· Solubility

· water: Fully miscible.

· Partition coefficient n-octanol/water (log

value) Not determined.

· Vapour pressure at 20 °C: 23 hPa

· Density and/or relative density

Density at 20 °C: 1.065 g/cm³
 Relative density Not determined.
 Vapour density Not determined.

· 9.2 Other information

· Appearance:

· Form: Fluid

· Important information on protection of health

and environment, and on safety.

· **Ignition temperature:** Product is not selfigniting.

• Explosive properties: Product does not present an explosion hazard.

· Solvent content:

• Organic solvents: 9.0 % • VOC (EC) 9.00 %

· Change in condition

· Evaporation rate Not determined.

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· Information with regard to physical hazard

classes

Void · Explosives · Flammable gases Void · Aerosols Void · Oxidising gases Void · Gases under pressure Void · Flammable liquids Void · Flammable solids Void · Self-reactive substances and mixtures Void · Pyrophoric liquids Void · Pyrophoric solids Void · Self-heating substances and mixtures Void

Substances and mixtures, which emit

flammable gases in contact with water

· Oxidising liquids May intensify fire; oxidiser.

Void

· Oxidising solids Void · Organic peroxides Void

• Corrosive to metals May be corrosive to metals.

· Desensitised explosives Void

10 Stability and reactivity

• 10.1 Reactivity No further relevant information available.

· 10.2 Chemical stability · Thermal decomposition /

conditions to be avoided: No decomposition if used according to specifications.

· 10.3 Possibility of hazardous

reactions No dangerous reactions known.

10.4 Conditions to avoid No further relevant information available.
 10.5 Incompatible materials: No further relevant information available.

· 10.6 Hazardous

decomposition products: Oxygen

11 Toxicological information

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

· Acute toxicity Harmful if swallowed or in contact with skin.

· LD/LC50 values relevant for classification:		
ATE (Acute Toxicity Estimates)		
Oral	LD50	4,528 mg/kg (rat)
Dermal	LD50	10,437 mg/kg
Inhalative	LC50/ 4h	15.6 mg/l (rat)

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

· 11.2 Information on other hazards

· Endocrine disrupting properties

None of the ingredients is listed.

12 Ecological information

· 12.1 Toxicity

· Aquatic toxicity: No further relevant information available.

· 12.2 Persistence and

degradability No further relevant information available.

· 12.3 Bioaccumulative

potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

· 12.5 Results of PBT and vPvB assessment · PBT: Not applicable. · vPvB: Not applicable.

· 12.6 Endocrine disrupting

properties The product does not contain substances with endocrine disrupting

properties.

· 12.7 Other adverse effects

· Remark: Toxic for fish

· Additional ecological information:

· General notes: Water hazard class 1 (German Regulation) (Self-assessment):

slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach

ground water, water course or sewage system.

Must not reach sewage water or drainage ditch undiluted or

unneutralised.

Also poisonous for fish and plankton in water bodies.

The surfactants ingredients of the product are biodegradable

according to the requirements of regulation 648/2004/EC.

Toxic for aquatic organisms

Rinse off of bigger amounts into drains or the aquatic environment may lead to decreased pH-values. A low pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably increased, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

13 Disposal considerations

· 13.1 Waste treatment methods

· **Recommendation** Contact manufacturer for recycling information.

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Can be reused after reprocessing.

Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local

Authority requirements.

Must not be disposed together with household garbage. Do not

allow product to reach sewage system.

· Uncleaned packaging:

· Recommendation: Packaging may be reused or recycled after cleaning.

Empty contaminated packagings thoroughly. They may be recycled

after thorough and proper cleaning.

· Recommended cleansing

agents: Water, if necessary together with cleansing agents.

14 Transport information

· 14.2 UN proper shipping name

·**ADR** UN3149 HYDROGEN PEROXIDE AND

PEROXYACETIC ACID MIXTURE, STABILIZED,

ENVIRONMENTALLY HAZARDOUS

· IMDG HYDROGEN PEROXIDE AND PEROXYACETIC

ACID MIXTURE, STABILIZED, MARINE

POLLUTANT

· IATA HYDROGEN PEROXIDE AND PEROXYACETIC

ACID MIXTURE, STABILIZED

· Class 5.1 Oxidising substances.

· **Label** 5.1+8

· Class 5.1 Oxidising substances.

· **Label** 5.1/8

· Class 5.1 Oxidising substances.

· Label 5.1 (8) · ADR | | | · IMDG, IATA | |

· 14.5 Environmental hazards:

· Marine pollutant: No

Symbol (fish and tree)
Special marking (ADR):
Symbol (fish and tree)

• 14.6 Special precautions for user Warning: Oxidising substances.

· Hazard identification number (Kemler code): -

· EMS Number: F-H,S-Q

· Segregation groups (SGG16) Peroxides

· Stowage Category D

Stowage Code SW1 Protected from sources of heat.

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Segregation Code SG16 Stow "separated from" class 4.1

SG59 Stow "separated from" SGG14-

permanganates SG72 See 7.2.6.3.2.

· 14.7 Maritime transport in bulk according to

IMO instruments Not applicable.

· Limited quantities (LQ) 1L
· Excepted quantities (EQ) Code: E2

Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml

· Transport category 2 · Tunnel restriction code E

· UN "Model Regulation": UN 3149 HYDROGEN PEROXIDE AND

PEROXYACETIC ACID MIXTURE, STABILIZED, 5.1 (8), II, ENVIRONMENTALLY HAZARDOUS

15 Regulatory information

- · 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- · Poisons Act

· Regulated explosives precursors					
CAS: 7722-84-1	hydrogen peroxide solution	12%			
CAS: 7664-93-9	sulphuric acid	15%			

Regulated poisons

None of the ingredients is listed.

Reportable explosives precursors

None of the ingredients is listed.

· Reportable poisons

None of the ingredients is listed.

Labelling according to

Regulation (EC) No 1272/2008 The product is classified and labelled according to the GB CLP regulation.

· Hazard pictograms









GHS03 GHS05 GHS07 GHS09

· Signal word Danger

Hazard-determining

components of labelling: hydrogen peroxide solution

acetic acid peracetic acid

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· **Hazard statements** H272 May intensify fire; oxidiser.

H290 May be corrosive to metals.

H302+H312 Harmful if swallowed or in contact with skin.
H314 Causes severe skin burns and eye damage.
H411 Toxic to aquatic life with long lasting effects.

• **Precautionary statements** P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye

protection/face protection/hearing protection.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce

vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all

contaminated clothing. Rinse skin with water [or

shower].

P304+P340 IF INHALED: Remove person to fresh air and

keep comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for

several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

Directive 2012/18/EU

Named dangerous

substances - ANNEX I None of the ingredients is listed.

Seveso category P8 OXIDISING LIQUIDS AND SOLIDS

E2 Hazardous to the Aquatic Environment

· Qualifying quantity (tonnes)

for the application of lowertier requirements

50 t

Qualifying quantity (tonnes) for the application of upper-

tier requirements 200 t

· National regulations:

· Information about limitation of use:

Class Share in %

· 15.2 Chemical safety

assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

• Relevant phrases H226 Flammable liquid and vapour.

H242 Heating may cause a fire.

H271 May cause fire or explosion; strong oxidiser.

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Safety data sheet according to 1907/2006/EC, Article 31

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H272 May intensify fire; oxidiser. 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.

· Contact: Wim Lampaert

MSc Chemistry

· Abbreviations and acronyms: RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International

Transport of Dangerous Goods by Rail) ICAO: International Civil Aviation Organisation

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative

ATE: Acute toxicity estimate values

Flam. Liq. 3: Flammable liquids - Category 3 Ox. Liq. 1: Oxidizing liquids - Category 1 Ox. Liq. 2: Oxidizing liquids - Category 2 Org. Perox. D: Organic peroxides - Type C/D Met. Corr.1: Corrosive to metals - Category 1 Acute Tox. 4: Acute toxicity - Category 4

Skin Corr. 1A: Skin corrosion/irritation - Category 1A Skin Corr. 1C: Skin corrosion/irritation - Category 1C Eye Irrit. 2: Serious eye damage/eye irritation - Category 2

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard -Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

· * Data compared to the previous version altered.