

HPPA
Code: 03A10

Safety Data Sheet compliant with Regulation (EU) 2020/878

Version 7.0.0
Creation date : 04/04/22
Revision: 06/12/22
Print Date : 16/02/23

Organic peroxide Typ F	H242: Heating may cause a fire.
Substance corrosive to metals - Category 1	H290: May be corrosive to metals.
Acute toxicity - Category 4 (per oral route)	H302: Harmful if swallowed.
Acute toxicity - Category 4 (per dermal route)	H312: Harmful in contact with skin.
Skin corrosion - Category 1A	H314: Causes severe skin burns and eye damage.
Serious damage to eyes - Category 1	H318: Causes serious eye damage.
Acute toxicity - Category 4 (inhalation)	H332: Harmful if inhaled.
Specific target organ toxicity (STOT) - single exposure - Category 3	H335: May cause respiratory irritation.
Hazardous to the aquatic environment – Chronic - Category 1	H410: Very toxic to aquatic life with long lasting effects.

2.2. Label elements

Labelling according to 1272/2008/EC Regulation:

Hazard pictograms(s) :



Signal word :
Danger

Contains : acetic acid+ Peracetic acid+ Hydrogen peroxide

Hazard statement(s) :

H242: Heating may cause a fire.
H290: May be corrosive to metals.
H302: Harmful if swallowed.
H312: Harmful in contact with skin.
H314: Causes severe skin burns and eye damage.
H332: Harmful if inhaled.
H335: May cause respiratory irritation.
H410: Very toxic to aquatic life with long lasting effects.

Precautionary statement(s) :

P260: Do not breathe dust.
P264: Wash hands, forearms and face carefully after handling.

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P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection.
P301 + P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P303 + P361 + P353 + P310: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor/physician.
P304+P340+P310: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.
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/physician.
P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3. Other hazards

The mixture does not contain substance 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. in concentration greater than 0.1%.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable as this involves a mixture.

3.2. Mixtures

Chemical nature of the mixture : LIQUID ACID

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Substance(s)	CAS number(s)	EINECS number(s)	index	No registration REACH	Classification according to Regulation (EC) 1272/2008	SCL M-factor ATE	Type
25% <= Hydrogen peroxide < 30%	7722-84-1	231-765-0	008-003-00-9		Ox. Liq. 1 H271 Acute Tox. 4 (inhalation) H332 Acute Tox. 4 (oral) H302 STOT SE 3 H335 Aquatic Chronic 3 H412 Eye Dam. 1 H318	C ≥ 70% Ox. Liq. 1 H271 35% ≤ C < 50% Skin Irrit. 2 H315 8% ≤ C < 50% Eye Dam. 1 H318 5% ≤ C < 8% Eye Irrit. 2 H319	(1)
5% <= acetic acid < 10%	64-19-7	200-580-7	607-002-00-6		Flam. Liq. 3 H226 Skin Corr. 1A H314	C ≥ 90% Skin Corr. 1A H314 25% ≤ C < 90% Skin Corr. 1B H314 10% ≤ C < 25% Skin Irrit. 2 H315 Eye Irrit. 2 H319	(1)
4.5% < Peracetic acid < 5.4%	79-21-0	201-186-8			Flam. Liq. 3 H226 Org. Perox. D H242 Acute Tox. 3 (inhalation) H331 Acute Tox. 4 (dermal) H312 Acute Tox. 3 (oral) H301 Skin Corr. 1A H314 STOT SE 3 H335 Aquatic Acute 1 H400 Aquatic Chronic 1 H410	M Factor (Acute) 1 M Factor (Chronic) 10	(1)

Type

- (1) : Substance classified as hazardous for health and/or the environment
- (2) : Substance with an exposure limit at the work station.
- Substance of very high concern candidate for the authorisation procedure:
- (3) : Substance considered as PBT (persistent, bioaccumulable, toxic)
- (4) : Substance considered as vPvB (very persistent, very bioaccumulable)
- (5) : Substance considered as carcinogenic category 1A
- (6) : Substance considered as carcinogenic category 1B
- (7) : Substance considered as mutagenic category 1A
- (8) : Substance considered as mutagenic category 1B
- (9) : Substance considered as reprotoxic category 1A
- (10) : Substance considered as reprotoxic category 1B
- (11) : Substance considered as endocrine disrupter
- (12) : Other substance considered hazardous to health or the environment
- (N) : Nanomaterial

Full text of H- and EUH- phrases : see section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General indications:

Take the contaminated clothes and shoes off immediately. Wash them before wearing them again.
In case of faintness , get medical advice/attention. Show this safety data sheet to the doctor.

In the event of inhalation :

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IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

If breathing is difficult, a qualified person must administer oxygen.
Send to hospital.

In the event of contact with the skin :

Take off immediately all contaminated clothing.
Wash immediately with plenty of water for 15 minutes at least.
In case of extensive burns, hospitalize.

In the event of contact with the eyes :

Rinse at once with a soft stream of water for at least 15 minutes, eyes wide open.
Remove contact lenses if present and easy to do. Continue rinsing.
Consult a specialist.

In the event of ingestion :

Rinse mouth.
Do NOT induce vomiting.
Make the victim drink plenty of water immediately.
Send to hospital.

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

Skin contact : Corrosive : Causes burns.

Eye contact : Causes serious eye damage.

Ingestion : Risk of mouth, oesophagus and stomach burns

Inhalation : Harmful if inhaled.
Cough
Shortness of breath.

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

Treatments : Symptomatic treatment

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media :
Recommended extinguishing means :
Water spray, powder extinguisher, foam.

Unsuitable extinguishing media :
High pressure water jet

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5.2. Special hazards arising from the substance or mixture

Combustion generates toxic fumes (nitrogen oxide, carbon monoxide)

5.3. Advice for firefighters

Wear independent respiratory equipment and protective suit.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel :

Evacuate non-essential staff and those not equipped with individual protection apparatus.
If safe to do so, plug or seal off leak.
Avoid all contact with the skin and eyes.

6.1.2. For emergency responders :

Keep people upwind and away from the location of the flow/leak.
Use personal protection equipment.

6.2. Environmental precautions

Do not discharge the product directly to sewer or to environment.
Take as soon as possible all incompatible materials away.

6.3. Methods and material for containment and cleaning up

Small spillage :

Absorb with an inert, non-combustible absorbent material, such as sand, earth, vermiculite or diatomaceous earth.
Recover in a reservoir of help.

Large spillage :

Mark out, soak up with an inert absorbant and pump in an emergency tank.
Never return spills in original containers for re-use.
Keep in suitable, properly labelled and closed containers for disposal.

6.4. Reference to other sections

Respect protective measures presented at heading 8.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Ensure a sufficient ventilation in case of risk of formation of vapours or aerosols.
Do not eat, drink or smoke in work area. Avoid projections during use.
Avoid the formation of aerosols.

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7.2. Conditions for safe storage, including any incompatibilities

7.2.1. Storage :

Keep in a clean, cool and well-ventilated place away from sources of heat and intense light.
Do not expose to direct sunlight.
Keep only in the original container.
Keep container closed.
Keep away from incompatible matters (see heading 10).

7.2.2. Packaging or wrapping materials :

High density polyethylene recommended.

7.3. Specific end use(s)

No other recommendation.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure limit values :

Substance	CAS number	Country	Type	Value	Unit	Comments	source
Contains no substances with occupational exposure limit values.							

8.2. Exposure controls

According to the requirements of Directive 98/24 /EC, the employer is required to conduct a risk assessment and implement appropriate risks management measures.

* For any situation where the absence of risk is not proven, he must consider the substitution or reduction of risk by improving in priority processes used and collective protection measures. The effectiveness of the solutions implemented will be checked by measurement in comparison to the statutory limit values for substances defined in Section 8.1.

* If the risk remains after these corrective actions, he must always check by routinely measuring compliance with regulatory OEL if they exist in section 8.1 and apply all the individual protective measures given in section 8.2.

* When formalized risk assessment indicates a low risk to workers' health, control of compliance with regulatory OEL may not be considered and all individual protection measures is not always mandatory.

8.2.1. Appropriate engineering controls :

Provide ventilation by extraction.

Apply the necessary technical measures to comply with the professional exposure limit values.

8.2.2. Individual protection measures, such as personal protective equipment :

Eye/face protection :

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Use safety glasses or facial screen in conformity with the EN 166 standard.



Hand protection :

Use chemical resistant gloves approved to EN 374.

Estimated penetration time: > 4 hours

Examples of preferred materials for insulating gloves:

Butyl rubber.

Polyethylene.

Neoprene.

Do not wear polyvinyl alcohol (PVA) gloves.

Latex



Skin protection :

Wear boots and a protective cloth with chemical resistance.

Wear protective clothing conforms to the standards EN 13034 - type 6



Respiratory protection :

To always carry a respiratory apparatus of protection approved if the limit of exposure in work environment is likely to be exceeded.

ABEKP2 type filtration.



Thermal hazards :

Not applicable

Health measures :

Safety shower and eye wash fountain near to workplace.

After using, wash systematically all personal protective equipment.

8.2.3. Environmental exposure controls :

Do not discharge the product directly to sewer or to environment.

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9.1. Information on basic physical and chemical properties

Appearance	No data
Colour	Colourless
Odour	acid
Odour threshold	Not available
Freezing point	-28 °C
Melting point	Not applicable
Boiling point	> 60 °C
Flammability	Not available
Lower explosive limit	Not applicable
upper explosive limit	Not applicable
Flash point	Not available
Auto-ignition temperature	>= 435 °C
Decomposition temperature	> 75 °C (Self-accelerated decomposition temperature (SADT))
pH value at 10g/l	Not available
Pure pH	2±0.5
kinematic viscosity	Not available
Solubility in water	No data
Partition coefficient: n-octanol/water	-1.25
Vapour pressure	27 hPa
Relative density	1.12 g/cm ³
Mass density	1.13±0.01 g/cm ³
Vapour density	Not available
Particle characteristics	Not applicable

9.2. Other information

Explosive properties	non-explosive
Oxidising properties	Not applicable
Evaporation rate:	Not available
Corrosive to metals (UN : C.1)	Non-corrosive

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Danger of breaking down under the action of warming or heat.
Hazards linked to exothermal reactions.

10.2. Chemical stability

Stable in the recommended storage and handling conditions.

10.3. Possibility of hazardous reactions

Exothermic reactions with release of oxygen in contact with certain metals (copper, iron...), reducing agents, combustible materials, basis, organic matters.

10.4. Conditions to avoid

Light, heat.

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10.5. Incompatible materials

Alkalines.
Certain metals.
Reducing agents.

10.6. Hazardous decomposition products

acetic acid
Corrosive vapours
Release of oxygen.

These data are given for the concentrated mixture. The use of the mixture under its diluted form must be performed in conformity with data given by the technical data sheet and the technical adviser.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) N°1272/2008

Substance-related data:

Acute toxicity

acetic acid + Hydrogen peroxide + Peracetic acid + Polyphosphoric acids : LD 50 - oral rat 852.8 mg/kg. - MSDS supplier
acetic acid + Hydrogen peroxide + Peracetic acid + Polyphosphoric acids : LD 50 - dermal rabbit (EPA): 1,147 mg/kg. - MSDS supplier

Skin corrosion/irritation

acetic acid + Hydrogen peroxide + Peracetic acid + Polyphosphoric acids : Skin corrosion/irritation . Corrosive. - MSDS supplier

Serious damage to eyes/eye irritation

acetic acid + Hydrogen peroxide + Peracetic acid + Polyphosphoric acids : Serious damage to eyes/eye irritation . Corrosive. - MSDS supplier

Repeated dose toxicity

acetic acid + Hydrogen peroxide + Peracetic acid + Polyphosphoric acids : NOAEL - oral rat 1.17 mg/kg. - MSDS supplier

Specific target organ toxicity - single exposure

acetic acid + Hydrogen peroxide + Peracetic acid + Polyphosphoric acids (0%) : . Irritating to respiratory system - MSDS supplier

Mix-related data :

Acute toxicity

. Harmful if inhaled.; Harmful if swallowed.

Skin corrosion/irritation

Skin corrosivity . The mix is considered to be corrosive for the skin under the criteria of Regulation 1272/2008/EC.

Serious damage to eyes/eye irritation

Ocular corrosivity . Causes serious eye damage according to the criteria of Regulation 1272/2008/EC.

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Respiratory / skin sensitisation

Skin sensitisation . The mixture is not considered as a skin sensitizer according to 1272/2008/EC Regulation.

Respiratory sensitisation . The mixture is not considered as a respiratory sensitizer according to 1272/2008/EC Regulation.

Mutagenicity

. The classification criteria are not met given the available data.

Carcinogenicity

. The classification criteria are not met given the available data.

Reproductive toxicity

. The classification criteria are not met given the available data.

Specific target organ toxicity - single exposure

. May cause respiratory irritation.

Specific target organ toxicity - repeated exposure

. The classification criteria are not met given the available data.

Aspiration hazard

. The classification criteria are not met given the available data.

Most important symptoms and effects, both acute and delayed :

Skin contact : Corrosive : Causes burns.

Eye contact : Causes serious eye damage.

Ingestion : Risk of mouth, oesophagus and stomach burns

Inhalation : Harmful if inhaled.

Cough

Shortness of breath.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Not concerned

SECTION 12: ECOLOGICAL INFORMATION

12.1. à 12.4. Toxicity - Persistence and degradability - Bioaccumulative potential - Mobility in soil

Substance-related data:

Degradability

acetic acid + Hydrogen peroxide + Peracetic acid + Polyphosphoric acids : Aerobic biodegradability - 28days (OECD 301 E): 98 % . -
MSDS supplier

Mix-related data:

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Acute toxicity
fishes . No data available.
daphnia . No data available.
algae . No data available.

Chronic toxicity
. highly toxic to aquatic organisms; Harmful effects

Degradability
. The surface agents contained in this mix are in line with the requirements of the Detergent Regulation 648/2004/EC.

Bioaccumulation
. No data available.

Mobility
. No data available.

Conclusion :
The mixture is not considered to be dangerous for the environment according to 1272/2008/EC Regulation.

12.5. Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB

12.6 Endocrine disrupting properties

Not concerned

12.7. Other adverse effects

No additional information available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Treatment of the mixture :

Do not discharge the product directly to sewer or to environment.
Comply with Directive 2008/98/EC of 19/11/2008 amended, relating to waste and to Decision 2000/532/EC (amended ultimately by Decision 2014/955/EC) that establishes a list of hazardous waste that must be taken to an approved centre.

Packaging treatment :

Rinse thoroughly the packaging with water and treat the effluent like wastes.
Comply with Directive 2008/98/EC of 19/11/2008 amended, relating to waste and to Decision 2000/532/EC (amended ultimately by Decision 2014/955/EC) that establishes a list of hazardous waste that must be taken to an approved centre.

SECTION 14: TRANSPORT INFORMATION

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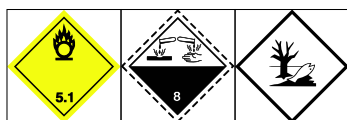
ROAD TRANSPORT: Rail/Route (RID/ADR)

14.1 UN no : 3149

14.2 UN proper shipping name :
HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE, STABILIZED (Hydrogen peroxide + Peracetic acid)

14.3 Transport hazard class(es) : 5.1 (8)

14.4 Packing group : II
Hazard identification number : 58
Label : 5.1 (8)



Tunnel code : (E)

14.5 Environmental hazard : Yes

14.6 Special precautions for user : No information.

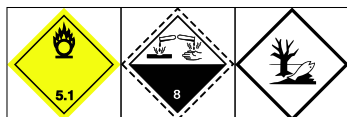
Limited Quantity (QL): 1L

MARITIME TRANSPORT : IMDG

14.1 UN no :3149

14.2 UN proper shipping name : HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE, STABILIZED
(Hydrogen peroxide + Peracetic acid)

14.3 Transport hazard class(es) : 5.1 (8)



14.4 Packing group : II

14.5 Environmental hazard
Marine pollutant : Yes

14.6 Special precautions for user : No information.
EmS number : F-H, S-Q

Limited Quantity (QL): 1L

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14.7 Maritime transport in bulk according to IMO instruments : Not concerned

SECTION 15: REGULATORY INFORMATION

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

Regulation (EU) n°528/2012 concerning the making available on the market and use of biocidal products :
Not concerned

Regulations relating to the hazards from major accidents :
SEVESO 3 Directive (2012/18/EC) : P6b E1

Regulations relating to the classification, packaging and labelling of substances and mixtures :
Regulation (EC) 1272/2008 amended.

Waste regulations :
2008/98/EC Directive amended by 2015/1127/EC Directive - Regulation 1357/2014/EC
Decision 2014/955/EC which establishes the list of hazardous waste.

Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals : Not concerned

Protection of workers :
Directive 98/24/EC of 07/04/1998 on the protection of the health and safety of workers from the risks related to chemical agents at work.

Regulation (EU) 2019/1021 of 20 June 2019 on persistent organic pollutants : Not applicable

Regulation (EC) 1005/2009 amended on substances that deplete the ozone layer : Not applicable

Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors:
Acquisition, introduction, possession or use of this product by the general public is restricted by Regulation (EU) 2019/1148. All suspicious transactions, and significant disappearances and thefts should be reported to the relevant national contact point.

Regulation (EC) 648/2004 :
Not concerned

Comply with national and local legislation.

15.2. Chemical safety assessment

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This safety data sheet has been drafted taking into account the information from exposure scenarios for the substances making up the mixture.

SECTION 16: OTHER INFORMATION

The safety data sheet is additional to the technical data sheet but does not replace it. The information given here in is to the best of our knowledge correct and is given in good faith. We must also draw the user's attention on potential risks of the product is used for other purposes for which the product is known.

In no way does it exempt users from being aware of and complying with regulations applicable to their activity. It is their sole responsibility to take all necessary precautions in accordance to the usage of the product they are aware of.

Regulations are only stated in order to help users fulfill the duties involved in the use of the product.

This description should not be considered as exhaustive. It does not exempt users from ensuring if other demands need to be complied with-according to other laws than the ones hereby stated and applicable to holding and usage of the product-demands for which they will remain sole responsibility.

Section(s) modified compared with the previous version :
Revision of the safety data sheet according to (EU) 2020/878 Regulation.

List of H phrases referred to in section 3 :

- H226 : Flammable liquid and vapour.
- H242 : Heating may cause a fire.
- H271 : May cause fire or explosion; strong oxidiser.
- H301 : Toxic if swallowed.
- H302 : Harmful if swallowed.
- H312 : Harmful in contact with skin.
- H314 : Causes severe skin burns and eye damage.
- H318 : Causes serious eye damage.
- H331 : Toxic if inhaled.
- 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.

Sources of key data used to compile the data sheet :
MSDS supplier

Historical :
Version 7.0.0
Cancels and replaces previous version 6.0.