

Safety data sheet
complying with Regulation 1907/2006/EC (REACH
Regulation), EU 2020/878 and Regulation No 1272/2008/EC
(CLP)

Printing date 21.01.2021

Version number 1

Revision: 21.01.2021

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

1.1 Product identifier

Trade name: NOSOCID PAA - Activator

Registration number: Not applicable-Mixture of substances

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

No further relevant information available.

Application of the substance / the mixture:

High level instrument disinfectant Product Ready to use for medical devices.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

MEDALKAN

Michalakopoulou 102, P.C. 11528, Athens, Greece

Tel.. 2107484847, Fax. 210 7772009

e-mail: contact@medalkan.gr

website: www.medalkan.com

1.4 Emergency telephone number:



European Emergency Tel.: 112

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation EC No 1272/2008 CLP:



GHS05 corrosion

Skin Corr. 1A H314 Causes severe skin burns and eye damage.

Eye Dam. 1 H318 Causes serious eye damage.



GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



GHS07

Acute Tox. 4 H302 Harmful if swallowed.

STOT SE 3 H335 May cause respiratory irritation.

2.2 Label elements

Labelling according to Regulation EC No 1272/2008 CLP:

The product is classified and labelled according to the CLP regulation.

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Hazard pictograms:



GHS05 GHS07 GHS09

Signal word: Danger

Hazard-determining components of labelling:

hydrogen peroxide solution
peracetic acid
acetic acid

Hazard statements:

H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H335 May cause respiratory irritation.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
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.
P310 Immediately call a POISON CENTER/doctor.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Regulation (EC) No 648/2004 on detergents / Labelling for contents

oxygen-based bleaching agents	≥15 - <30%
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2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

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SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture: consisting of the following components.

Ingredients according Regulation (EU) 2020/878:

CAS: 7722-84-1 EINECS: 231-765-0 Index number: 008-003-00-9 Reg.nr.: 01-2119485845-22-XX XX	hydrogen peroxide solution ⚠ Ox. Liq. 1, H271; ⚠ Skin Corr. 1A, H314; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H332; STOT SE 3, H335; Aquatic Chronic 3, H412 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 %	≥10-<25%
CAS: 64-19-7 EINECS: 200-580-7 Index number: 607-002-00-6 Reg.nr.: 01-2119475328-30- XXXX	acetic acid ⚠ Flam. Liq. 3, H226; ⚠ Skin Corr. 1A, H314; Eye Dam. 1, H318 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 %	≥10-<25%
CAS: 79-21-0 EINECS: 201-186-8 Index number: 607-094-00-8 Reg.nr.: 01-2119531330-56- XXXX	peracetic acid ⚠ Flam. Liq. 3, H226; Org. Perox. D, H242; ⚠ Skin Corr. 1A, H314; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; STOT SE 3, H335 Specific concentration limit: STOT SE 3; H335: C ≥ 1 %	≥10-<25%

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

Immediately remove any clothing soiled by the product.

Take affected persons out into the fresh air.

In all cases call a doctor.

After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

Seek medical treatment in case of complaints.

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After skin contact:

Immediately wash with water and soap and rinse thoroughly.
Wash contaminated clothing before use.
Remove contaminated clothing.
If skin irritation continues, consult a doctor.

After eye contact:

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.
Check for and remove any contact lenses.
Continue to rinse for at least 10 minutes.
Get medical attention if irritation occurs.
Avoid strong water jet-risk of cornea damage, consult a doctor.

After swallowing:

Drink plenty of water and provide fresh air. Call for a doctor immediately.
Do not induce vomiting; call for medical help immediately.
Never give anything by mouth to an unconscious person.
Rinse mouth and lips with plenty of water if the subject is conscious, then hospitalize.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: CO₂, powder or water spray. Fight larger fires with water spray.

For safety reasons unsuitable extinguishing agents: None in particular.

5.2 Special hazards arising from the substance or mixture

No further relevant information available.

5.3 Advice for firefighters

Protective equipment:

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

Additional information

Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep unprotected persons away.
Avoid formation of dust.
Avoid contact with spilled material.
Goggles and/ or face shield, if contact with eyes or splashes are anticipated.
Avoid contact with skin and eyes.
Wear protective clothing.
Ensure adequate ventilation.

6.1.1 For non-emergency personnel

Ensure sufficient ventilation.
Use personal protective equipment.
Avoid contact with skin and eyes.

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6.1.2 For emergency responders

Use safety goggles, in case of contact with the eyes.

Use chemicals resistant gloves.

6.2 Environmental precautions:

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

Do not allow to penetrate the ground/soil.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust, silica gel).

Use neutralising agent.

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Send for recovery or disposal in suitable receptacles.

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.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Open and handle receptacle with care.

Avoid splashes or spray in enclosed areas.

Store in cool, dry place in tightly closed receptacles.

Avoid contact with skin, eyes and clothing.

Ensure good ventilation.

Wash your hands thoroughly after handling.

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 in a cool location.

Prevent any seepage into the ground.

Information about storage in one common storage facility: Store away from oxidising materials.

Further information about storage conditions:

Keep container tightly sealed.

Store under lock and key and with access restricted to technical experts or their assistants only.

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

SECTION 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

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

WEL (Great Britain)	Short-term value: 50 mg/m ³ , 20 ppm Long-term value: 25 mg/m ³ , 10 ppm
IOELV (EU)	Short-term value: 50 mg/m ³ , 20 ppm Long-term value: 25 mg/m ³ , 10 ppm

DNELs

(CAS: 7722-84-1) hydrogen peroxide solution

Workers, Inhalation, Acute-local effects, 3 mg/m³

Workers, Inhalation, Long-term local effects, 1.4 mg/m³

Consumers, Inhalation, Acute-local effects, 1.93 mg/m³

Consumers Inhalation, Long-term local effects 0.21 mg/m³

(CAS: 64-19-7) acetic acid

Workers:

Long-term exposure - systemic effects, by inhalation: 25 mg/m³, 10 ppm

Consumers:

Long-term exposure - systemic effects, by inhalation: 25 mg/m³, 10 ppm

Long-term exposure - systemic effects, through the dermal: 72 mg/kg

Long-term exposure - systemic effects, oral: 7.2 mg/kg

(CAS: 79-21-0) Peracetic acid

Workers:

Inhalation - systemic & local chronic / acute effects: 0,6 mg/m³

Dermal - local acute effects: 0,12 %

Consumers:

Inhalation - systemic & local chronic / acute effects: 0,6 mg/m³

Dermal - local acute effects: 0,12 %

PNECs

(CAS: 7722-84-1) hydrogen peroxide solution

Fresh water 0.0126 mg / l

Marine water 0.0126 mg / l

Intermittent use / release 0.0138 mg / l

Freshwater sediment 0.047 mg / kg

Marine sediment 0.047 mg / kg

Soil 0.0023 mg / kg

Sewage treatment plant 4.66 mg / l

Acetic acid (CAS: 64-19-7)

Fresh water: 3.058 mg/l

Fresh water sediment: 11.36 mg/kg

Seawater: 0.3058 mg/l

Seawater sediment: 1.136 mg/kg

Intermittent releases: 30.58 mg/l

STP: 85 mg/l

Soil: 0.478 mg/kg

(CAS: 79-21-0) Peracetic acid

Fresh water: 0.000224 mg/l

Sewage treatment plant: 0.051 mg/l

Freshwater sediment: 0.00018 mg/kg

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Soil: 0.320 mg/kg

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

8.2 Exposure controls

8.2.1. Appropriate engineering controls Provide adequate ventilation.

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.

Do not inhale gases / fumes / aerosols.

Do not eat, drink or smoke while using the product.

Clean skin thoroughly immediately after handling the product.

Wash hands before breaks and at the end of work.

Use only with adequate ventilation.

Do not breathe vapours or mists.

Avoid contact with the eyes and skin.

Respiratory protection:



In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Hand protection



Protective gloves resistant to chemicals (standard EN 374-1)

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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 mixture 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 through time has to be found out by the manufacturer of the protective gloves and has to be observed.

The determined penetration times according to EN 16523-1:2015 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

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Eye/face protection



Tightly sealed goggles (EN 166).

Body protection:



Protective work clothing

Environmental exposure controls

Prevent enter of the product into drains, surface and groundwater and soil.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Physical state	Liquid
Colour:	Transparent
Odour:	Characteristic
Odour threshold:	Not determined
Melting point/freezing point:	Not determined
Boiling point or initial boiling point and boiling range	Not determined
Flammability	Not applicable
Lower and upper explosion limit	
Lower:	Not determined
Upper:	Not determined
Flash point:	68-81 °C
Auto-ignition temperature:	Product is not selfigniting.
Decomposition temperature:	Not determined
pH at 20 °C	<1.5
Viscosity:	
Kinematic viscosity	Not determined
Kinematic viscosity	
Dynamic:	Not determined
Solubility	
water:	Fully miscible
Partition coefficient n-octanol/water (log value)	Not determined
Vapour pressure:	Not determined
Density and/or relative density	
Density:	Not determined
Relative density	Not determined
Vapour density	Not determined

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9.2 Other information

Appearance:

Form: Liquid

Important information on protection of health and environment, and on safety.

Auto-ignition temperature: Not determined

Explosive properties: Product does not present an explosion hazard.

Cloud point / clarification point:

Oxidising properties: Not oxidising

Evaporation rate: Not determined

Information with regard to physical hazard classes

Explosives: Void

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: Void

Oxidising liquids: Void

Oxidising solids: Void

Organic peroxides: Void

Corrosive to metals: Void

Desensitised explosives: Void

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability

Thermal decomposition / conditions to be avoided Stable at environment temperature.

10.3 Possibility of hazardous reactions No dangerous reactions known.

10.4 Conditions to avoid Avoid exposure to heat.

10.5 Incompatible materials Oxidizing agents

10.6 Hazardous decomposition products No dangerous decomposition products known.

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SECTION 11: Toxicological information

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

Acute toxicity Harmful if swallowed.

LD/LC50 values relevant for classification:

ATE (Acute Toxicity Estimates)

Oral	LD50	1,430 mg/kg
Dermal	LD50	7,341 mg/kg
Inhalative	LC50/4 h (vapour)	31.5 mg/l

CAS: 7722-84-1 hydrogen peroxide solution

Dermal	LD50	6,440 mg/kg (rabbit)
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CAS: 64-19-7 acetic acid

Oral	LD50	3,310 mg/kg (rat)
Dermal	LD50	1,060 mg/kg (rabbit)

CAS: 79-21-0 peracetic acid

Dermal	LD50	1,410 mg/kg (rabbit)
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Skin corrosion/irritation Causes severe skin burns and eye damage.

Serious eye damage/irritation Causes serious eye damage.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

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

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

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

STOT-single exposure

The product is classified as Specific Target Organ Toxicity after single exposure Category 3
May cause respiratory irritation.

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

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

Additional toxicological information:

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

11.2 Information on other hazards

Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

CAS: 79-21-0 peracetic acid

NOEC(33d)	0.00094 mg/l (Danio rerio)
EC50 (72h)	0.16 mg/l (Pseudokirchneriella subcapitata)
EC50 (48h)	0.73 mg/l (Daphnia magna)

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LC50 (96h) 1.1 mg/l (Lepomis macrochirus (Bluegill))

12.2 Persistence and degradability Biodegradable.

12.3 Bioaccumulative potential No bioaccumulation potential.

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

For information on endocrine disrupting properties see section 11.

12.7 Other adverse effects

Remark: Toxic for fish

Additional ecological information:

General notes:

Must not reach sewage water or drainage ditch undiluted or unneutralised.

Also poisonous for fish and plankton in water bodies.

The product contains materials that are harmful to the environment.

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.

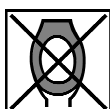
SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation



Dispose according to National Regulations.



Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging:

Recommendation:

Disposal must be made according to official regulations.

Packaging may be reused or recycled after cleaning.

SECTION 14: Transport information

14.1 UN number or ID number

ADR, IMDG, IATA

UN1760

14.2 UN proper shipping name

ADR

1760 CORROSIVE LIQUID, N.O.S.,
ENVIRONMENTALLY HAZARDOUS

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IMDG	CORROSIVE LIQUID, N.O.S., MARINE POLLUTANT
IATA	CORROSIVE LIQUID, N.O.S.
14.3 Transport hazard class(es)	

ADR, IMDG



Class	8 Corrosive substances.
Label	8

IATA



Class	8 Corrosive substances.
Label	8
14.4 Packing group	I
ADR, IMDG, IATA	Environmental Hazardous
14.5 Environmental hazards:	Yes
Marine pollutant:	Symbol (fish and tree)
Special marking (ADR):	Symbol (fish and tree)
14.6 Special precautions for user	Warning: Corrosive substances.
Hazard identification number (Kemler code):	88
EMS Number:	F-A,S-B
Stowage Category	B
Stowage Code	SW2 Clear of living quarters.
14.7 Maritime transport in bulk according to IMO instruments	Not applicable.

Transport/Additional information:

ADR	
Limited quantities (LQ)	0
Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
Transport category	1
Tunnel restriction code	E

IMDG	
Limited quantities (LQ)	0

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Excepted quantities (EQ)

Code: E0

Not permitted as Excepted Quantity

UN "Model Regulation":

UN 1760 CORROSIVE LIQUID, N.O.S., 8, I,
ENVIRONMENTALLY HAZARDOUS

SECTION 15: Regulatory information

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

REACH Regulation 1907/2006/EC

Regulation (EU) 2020/878

CLP Regulation 1272/2008/EC

Regulation (EC) No.648/2004 on detergents, as amended.

Directive 98/24/EC on the protection of health and safety of workers from the risks related to chemicals agents at work.

Council Directive 94/33/EC on the protection of young people at work, as ammended.

Directive 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding, as ammended

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS05 GHS07 GHS09

Signal word Danger

Hazard-determining components of labelling:

hydrogen peroxide solution

peracetic acid

acetic acid

Hazard statements

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

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.

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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.

P310 Immediately call a POISON CENTER/doctor.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

Seveso category E1 Hazardous to the Aquatic Environment

Qualifying quantity (tonnes) for the application of lower-tier requirements 100 t

Qualifying quantity (tonnes) for the application of upper-tier requirements 200 t

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

National regulations:

Other regulations, limitations and prohibitive regulations

Substances of very high concern (SVHC) according to REACH, Article 57

It doesn't contain substances of very high concern (SVHC).

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

SECTION 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.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

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.

Department issuing SDS:



SUSTCHEM S.A.

REACH & Chemical Services Department

A: 144, 3rd Septemvriou, GR 112 51 | Athens, Greece

T: +30 210 8252510 | F: +30 210 8252575

W: www.sustchem.gr | E: info@suschem.gr

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GB

Safety data sheet
complying with Regulation 1907/2006/EC (REACH
Regulation), EU 2020/878 and Regulation No 1272/2008/EC
(CLP)

Printing date 21.01.2021

Version number 1

Revision: 21.01.2021

Trade name: NOSOCID PAA - Activator

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Abbreviations and acronyms:

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

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)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids – Category 3

Ox. Liq. 1: Oxidizing liquids – Category 1

Org. Perox. D: Organic peroxides – Type C/D

Acute Tox. 4: Acute toxicity – Category 4

Skin Corr. 1A: Skin corrosion/irritation – Category 1A

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

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

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

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

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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

1.1 Product identifier

Trade name: NOSOCID PAA - Activator

Registration number: Not applicable-Mixture of substances

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

No further relevant information available.

Application of the substance / the mixture:

High level instrument disinfectant Product Ready to use for medical devices.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

MEDALKAN

Michalakopoulou 102, P.C. 11528, Athens, Greece

Tel.. 2107484847, Fax. 210 7772009

e-mail: contact@medalkan.gr

website: www.medalkan.com

1.4 Emergency telephone number:



European Emergency Tel.: 112

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation EC No 1272/2008 CLP:



GHS05 corrosion

Skin Corr. 1A H314 Causes severe skin burns and eye damage.

Eye Dam. 1 H318 Causes serious eye damage.



GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



GHS07

Acute Tox. 4 H302 Harmful if swallowed.

STOT SE 3 H335 May cause respiratory irritation.

2.2 Label elements

Labelling according to Regulation EC No 1272/2008 CLP:

The product is classified and labelled according to the CLP regulation.

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Hazard pictograms:



GHS05 GHS07 GHS09

Signal word: Danger

Hazard-determining components of labelling:

hydrogen peroxide solution
 peracetic acid
 acetic acid

Hazard statements:

H302 Harmful if swallowed.
 H314 Causes severe skin burns and eye damage.
 H335 May cause respiratory irritation.
 H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children.
 P260 Do not breathe dust/fume/gas/mist/vapours/spray.
 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.
 P310 Immediately call a POISON CENTER/doctor.
 P405 Store locked up.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Regulation (EC) No 648/2004 on detergents / Labelling for contents

oxygen-based bleaching agents	≥15 - <30%
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2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

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SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture: consisting of the following components.

Ingredients according Regulation (EU) 2020/878:

CAS: 7722-84-1 EINECS: 231-765-0 Index number: 008-003-00-9 Reg.nr.: 01-2119485845-22-XX XX	hydrogen peroxide solution ⚠ Ox. Liq. 1, H271; ⚠ Skin Corr. 1A, H314; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H332; STOT SE 3, H335; Aquatic Chronic 3, H412 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 %	≥10-<25%
CAS: 64-19-7 EINECS: 200-580-7 Index number: 607-002-00-6 Reg.nr.: 01-2119475328-30- XXXX	acetic acid ⚠ Flam. Liq. 3, H226; ⚠ Skin Corr. 1A, H314; Eye Dam. 1, H318 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 %	≥10-<25%
CAS: 79-21-0 EINECS: 201-186-8 Index number: 607-094-00-8 Reg.nr.: 01-2119531330-56- XXXX	peracetic acid ⚠ Flam. Liq. 3, H226; Org. Perox. D, H242; ⚠ Skin Corr. 1A, H314; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; STOT SE 3, H335 Specific concentration limit: STOT SE 3; H335: C ≥ 1 %	≥10-<25%

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

Immediately remove any clothing soiled by the product.

Take affected persons out into the fresh air.

In all cases call a doctor.

After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

Seek medical treatment in case of complaints.

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After skin contact:

Immediately wash with water and soap and rinse thoroughly.
Wash contaminated clothing before use.
Remove contaminated clothing.
If skin irritation continues, consult a doctor.

After eye contact:

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.
Check for and remove any contact lenses.
Continue to rinse for at least 10 minutes.
Get medical attention if irritation occurs.
Avoid strong water jet-risk of cornea damage, consult a doctor.

After swallowing:

Drink plenty of water and provide fresh air. Call for a doctor immediately.
Do not induce vomiting; call for medical help immediately.
Never give anything by mouth to an unconscious person.
Rinse mouth and lips with plenty of water if the subject is conscious, then hospitalize.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: CO₂, powder or water spray. Fight larger fires with water spray.

For safety reasons unsuitable extinguishing agents: None in particular.

5.2 Special hazards arising from the substance or mixture

No further relevant information available.

5.3 Advice for firefighters

Protective equipment:

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

Additional information

Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep unprotected persons away.
Avoid formation of dust.
Avoid contact with spilled material.
Goggles and/ or face shield, if contact with eyes or splashes are anticipated.
Avoid contact with skin and eyes.
Wear protective clothing.
Ensure adequate ventilation.

6.1.1 For non-emergency personnel

Ensure sufficient ventilation.
Use personal protective equipment.
Avoid contact with skin and eyes.

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6.1.2 For emergency responders

Use safety goggles, in case of contact with the eyes.

Use chemicals resistant gloves.

6.2 Environmental precautions:

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

Do not allow to penetrate the ground/soil.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust, silica gel).

Use neutralising agent.

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Send for recovery or disposal in suitable receptacles.

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.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Open and handle receptacle with care.

Avoid splashes or spray in enclosed areas.

Store in cool, dry place in tightly closed receptacles.

Avoid contact with skin, eyes and clothing.

Ensure good ventilation.

Wash your hands thoroughly after handling.

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 in a cool location.

Prevent any seepage into the ground.

Information about storage in one common storage facility: Store away from oxidising materials.

Further information about storage conditions:

Keep container tightly sealed.

Store under lock and key and with access restricted to technical experts or their assistants only.

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

SECTION 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

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

WEL (Great Britain)	Short-term value: 50 mg/m ³ , 20 ppm Long-term value: 25 mg/m ³ , 10 ppm
IOELV (EU)	Short-term value: 50 mg/m ³ , 20 ppm Long-term value: 25 mg/m ³ , 10 ppm

DNELs

(CAS: 7722-84-1) hydrogen peroxide solution

Workers, Inhalation, Acute-local effects, 3 mg/m³

Workers, Inhalation, Long-term local effects, 1.4 mg/m³

Consumers, Inhalation, Acute-local effects, 1.93 mg/m³

Consumers Inhalation, Long-term local effects 0.21 mg/m³

(CAS: 64-19-7) acetic acid

Workers:

Long-term exposure - systemic effects, by inhalation: 25 mg/m³, 10 ppm

Consumers:

Long-term exposure - systemic effects, by inhalation: 25 mg/m³, 10 ppm

Long-term exposure - systemic effects, through the dermal: 72 mg/kg

Long-term exposure - systemic effects, oral: 7.2 mg/kg

(CAS: 79-21-0) Peracetic acid

Workers:

Inhalation - systemic & local chronic / acute effects: 0,6 mg/m³

Dermal - local acute effects: 0,12 %

Consumers:

Inhalation - systemic & local chronic / acute effects: 0,6 mg/m³

Dermal - local acute effects: 0,12 %

PNECs

(CAS: 7722-84-1) hydrogen peroxide solution

Fresh water 0.0126 mg / l

Marine water 0.0126 mg / l

Intermittent use / release 0.0138 mg / l

Freshwater sediment 0.047 mg / kg

Marine sediment 0.047 mg / kg

Soil 0.0023 mg / kg

Sewage treatment plant 4.66 mg / l

Acetic acid (CAS: 64-19-7)

Fresh water: 3.058 mg/l

Fresh water sediment: 11.36 mg/kg

Seawater: 0.3058 mg/l

Seawater sediment: 1.136 mg/kg

Intermittent releases: 30.58 mg/l

STP: 85 mg/l

Soil: 0.478 mg/kg

(CAS: 79-21-0) Peracetic acid

Fresh water: 0.000224 mg/l

Sewage treatment plant: 0.051 mg/l

Freshwater sediment: 0.00018 mg/kg

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Soil: 0.320 mg/kg

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

8.2 Exposure controls

8.2.1. Appropriate engineering controls Provide adequate ventilation.

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.

Do not inhale gases / fumes / aerosols.

Do not eat, drink or smoke while using the product.

Clean skin thoroughly immediately after handling the product.

Wash hands before breaks and at the end of work.

Use only with adequate ventilation.

Do not breathe vapours or mists.

Avoid contact with the eyes and skin.

Respiratory protection:



In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Hand protection



Protective gloves resistant to chemicals (standard EN 374-1)

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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 mixture 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 through time has to be found out by the manufacturer of the protective gloves and has to be observed.

The determined penetration times according to EN 16523-1:2015 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

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Eye/face protection



Tightly sealed goggles (EN 166).

Body protection:



Protective work clothing

Environmental exposure controls

Prevent enter of the product into drains, surface and groundwater and soil.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Physical state

Liquid

Colour:

Transparent

Odour:

Characteristic

Odour threshold:

Not determined

Melting point/freezing point:

Not determined

Boiling point or initial boiling point and boiling range

Not determined

Flammability

Not applicable

Lower and upper explosion limit

Lower:

Not determined

Upper:

Not determined

Flash point:

68-81 °C

Auto-ignition temperature:

Product is not selfigniting.

Decomposition temperature:

Not determined

pH at 20 °C

<1.5

Viscosity:

Kinematic viscosity

Not determined

Kinematic viscosity

Dynamic:

Not determined

Solubility

water:

Fully miscible

Partition coefficient n-octanol/water (log value)

Not determined

Vapour pressure:

Not determined

Density and/or relative density

Density:

Not determined

Relative density

Not determined

Vapour density

Not determined

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9.2 Other information

Appearance:

Form: Liquid

Important information on protection of health and environment, and on safety.

Auto-ignition temperature: Not determined

Explosive properties: Product does not present an explosion hazard.

Cloud point / clarification point:

Oxidising properties: Not oxidising

Evaporation rate: Not determined

Information with regard to physical hazard classes

Explosives	Void
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	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability

Thermal decomposition / conditions to be avoided Stable at environment temperature.

10.3 Possibility of hazardous reactions No dangerous reactions known.

10.4 Conditions to avoid Avoid exposure to heat.

10.5 Incompatible materials Oxidizing agents

10.6 Hazardous decomposition products No dangerous decomposition products known.

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SECTION 11: Toxicological information

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

Acute toxicity Harmful if swallowed.

LD/LC50 values relevant for classification:

ATE (Acute Toxicity Estimates)

Oral	LD50	1,430 mg/kg
Dermal	LD50	7,341 mg/kg
Inhalative	LC50/4 h (vapour)	31.5 mg/l

CAS: 7722-84-1 hydrogen peroxide solution

Dermal	LD50	6,440 mg/kg (rabbit)
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CAS: 64-19-7 acetic acid

Oral	LD50	3,310 mg/kg (rat)
Dermal	LD50	1,060 mg/kg (rabbit)

CAS: 79-21-0 peracetic acid

Dermal	LD50	1,410 mg/kg (rabbit)
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Skin corrosion/irritation Causes severe skin burns and eye damage.

Serious eye damage/irritation Causes serious eye damage.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

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

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

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

STOT-single exposure

The product is classified as Specific Target Organ Toxicity after single exposure Category 3
May cause respiratory irritation.

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

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

Additional toxicological information:

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

11.2 Information on other hazards

Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

CAS: 79-21-0 peracetic acid

EC50 (72h)	0.16 mg/l (Pseudokirchneriella subcapitata)
EC50 (48h)	0.73 mg/l (Daphnia magna)
LC50 (96h)	1.1 mg/l (Lepomis macrochirus (Bluegill))

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12.2 Persistence and degradability Biodegradable.

12.3 Bioaccumulative potential No bioaccumulation potential.

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

For information on endocrine disrupting properties see section 11.

12.7 Other adverse effects

Remark: Toxic for fish

Additional ecological information:

General notes:

Must not reach sewage water or drainage ditch undiluted or unneutralised.

Also poisonous for fish and plankton in water bodies.

The product contains materials that are harmful to the environment.

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.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation



Dispose according to National Regulations.



Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging:

Recommendation:

Disposal must be made according to official regulations.

Packaging may be reused or recycled after cleaning.

SECTION 14: Transport information

14.1 UN number or ID number

ADR, IMDG, IATA

UN1760

14.2 UN proper shipping name

ADR

1760 CORROSIVE LIQUID, N.O.S.,
 ENVIRONMENTALLY HAZARDOUS
 CORROSIVE LIQUID, N.O.S., MARINE
 POLLUTANT

IMDG

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IATA CORROSIVE LIQUID, N.O.S.
14.3 Transport hazard class(es)

ADR, IMDG



Class 8 Corrosive substances.
Label 8

IATA



Class 8 Corrosive substances.
Label 8
14.4 Packing group I
ADR, IMDG, IATA I
14.5 Environmental hazards: Environmental Hazardous
Marine pollutant: Yes
Symbol (fish and tree)
Special marking (ADR): Symbol (fish and tree)
14.6 Special precautions for user Warning: Corrosive substances.
Hazard identification number (Kemler code): 88
EMS Number: F-A,S-B
Stowage Category B
Stowage Code SW2 Clear of living quarters.
14.7 Maritime transport in bulk according to IMO instruments Not applicable.

Transport/Additional information:

ADR

Limited quantities (LQ) 0
Excepted quantities (EQ) Code: E0
Not permitted as Excepted Quantity
Transport category 1
Tunnel restriction code E

IMDG

Limited quantities (LQ) 0
Excepted quantities (EQ) Code: E0
Not permitted as Excepted Quantity

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UN "Model Regulation":

UN 1760 CORROSIVE LIQUID, N.O.S., 8, I,
ENVIRONMENTALLY HAZARDOUS

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SECTION 15: Regulatory information

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

REACH Regulation 1907/2006/EC

Regulation (EU) 2020/878

CLP Regulation 1272/2008/EC

Regulation (EC) No.648/2004 on detergents, as amended.

Directive 98/24/EC on the protection of health and safety of workers from the risks related to chemicals agents at work.

Council Directive 94/33/EC on the protection of young people at work, as ammended.

Directive 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding, as ammended

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS05 GHS07 GHS09

Signal word Danger

Hazard-determining components of labelling:

hydrogen peroxide solution

peracetic acid

acetic acid

Hazard statements

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

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].

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SAFETY DATA SHEET
complying with Regulation 1907/2006/EC (REACH
Regulation), EU 2020/878 and Regulation No 1272/2008/EC
(CLP)

Printing date 21.01.2021

Version number 1

Revision: 21.01.2021

Trade name: NOSOCID PAA - Activator

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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.
P310 Immediately call a POISON CENTER/doctor.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

Seveso category E1 Hazardous to the Aquatic Environment

Qualifying quantity (tonnes) for the application of lower-tier requirements 100 t

Qualifying quantity (tonnes) for the application of upper-tier requirements 200 t

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

National regulations:

Other regulations, limitations and prohibitive regulations

Substances of very high concern (SVHC) according to REACH, Article 57

It doesn't contain substances of very high concern (SVHC).

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


SECTION 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.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
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.

Department issuing SDS:

 **SUSTCHEM S.A.**
REACH & Chemical Services Department
A: 144, 3rd Septemvriou, GR 112 51 | Athens, Greece
T: +30 210 8252510 | F: +30 210 8252575
W: www.sustchem.gr | E: info@suschem.gr

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GHS

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Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
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)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 3: Flammable liquids – Category 3
Ox. Liq. 1: Oxidizing liquids – Category 1
Org. Perox. D: Organic peroxides – Type C/D
Acute Tox. 4: Acute toxicity – Category 4
Skin Corr. 1A: Skin corrosion/irritation – Category 1A
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

GHS