



Detro PAA 1500 (Activated Solution)

Safety Data Sheet

according to Regulation on Registration, Evaluation, Authorization and Restriction of Chemicals published in the Official Journal numbered 30105 on June 23, 2017
SDS Reference Number: SDS0088EN
Issue date: 6/14/2024 Version: 1.0

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

1.1. 1.1. Product identifier

Product form : Mixture
Product name : Detro PAA 1500 (Activated Solution)

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

1.2.1. Relevant identified uses

Main use category : High Level Disinfectant for Medical Devices and Endoscopes

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

DETRO HEALTHCARE KIMYA SAN. A.Ş.
Atatürk mah. Cemal Gürsel Cad. No.8
Esenyurt

34522 İstanbul TURKIYE
T +90 (212) 659 77 62 - F +90 (212) 659 77 63
info@detrox.com.tr - <https://www.detrox.com.tr/>

1.4. Emergency telephone number

No additional information available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) 11.12.2013 - 28848 [SEA] (Amendment: (OG) 10.12.2020 - 31330)
EUH210

Safety data sheet available on request.

Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

: To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

2.2. Label elements

Classification according to Regulation (EC) 11.12.2013 - 28848 [SEA] (Amendment: (OG) 10.12.2020 - 31330)
EUH-statements (SEA)

: EUH210 - Safety data sheet available on request

2.3. Other hazards

Other hazards not contributing to the classification

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable



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3.2. Mixtures

Name	1.1 Product identifier	% w/w	Classification according to Regulation (EC) 11.12.2013 - 28848 [SEA] (Amendment: (OG) 10.12.2020 - 31330)
hydrogen peroxide solution... % (Note B)	CAS-No.: 7722-84-1 EC-No.: 231-765-0 EC Index-No.: 008-003-00-9	1 - 5	Ox. Liq. 1, H271 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314
peracetic acid... % (Note B)(Note D)	CAS-No.: 79-21-0 EC-No.: 201-186-8 EC Index-No.: 607-084-00-8	0.1 - 1	Orig. Perox. D, H242 Acute Tox. 3 (Oral), H301 Acute Tox. 2 (Dermal), H310 Acute Tox. 2 (Inhalation), H330 Skin Corr. 1A, H314 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410

Specific concentration limits:

Name	1.1 Product identifier	Specific concentration limits (% w/w)
hydrogen peroxide solution... %	CAS-No.: 7722-84-1 EC-No.: 231-765-0 EC Index-No.: 008-003-00-9	(5 ≤ C < 8) Eye Irrit. 2, H319 (8 ≤ C < 50) Eye Dam. 1, H318 (35 ≤ C < 50) Skin Irrit. 2, H315 (35 ≤ C ≤ 100) STOT SE 3, H335 (50 ≤ C < 70) Ox. Liq. 2, H272 (50 ≤ C < 70) Skin Corr. 1B, H314 (70 ≤ C ≤ 100) Ox. Liq. 1, H271 (70 ≤ C ≤ 100) Skin Corr. 1A, H314
peracetic acid... %	CAS-No.: 79-21-0 EC-No.: 201-186-8 EC Index-No.: 607-084-00-8	(1 ≤ C ≤ 100) STOT SE 3, H335

Note B:

Note B : Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: "nitric acid... %". In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.

Note D:

Note D : Certain substances which are susceptible to spontaneous polymerisation or decomposition are generally placed on the market in a stabilised form. It is in this form that they are listed in Part 3. However, such substances are sometimes placed on the market in a non-stabilised form. In this case, the supplier must state on the label the name of the substance followed by the words "non-stabilised".

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general

First-aid measures after inhalation

First-aid measures after skin contact

First-aid measures after eye contact

First-aid measures after ingestion

Self protection of the first-aid

- : If you feel unwell, seek medical advice.
- : Remove person to fresh air and keep comfortable for breathing.
- : Wash skin with plenty of water.
- : Rinse eyes with water as a precaution.
- : Call a poison center or a doctor if you feel unwell.
- : First aid workers will be equipped with suitable personal protective equipment.

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

Symptoms/effects after inhalation

Symptoms/effects after skin contact

- : None under normal conditions.
- : None under normal conditions.

Symptoms/effects after eye contact
Symptoms/effects after ingestion

- : None under normal conditions
- : None under normal conditions

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

Treat symptomatically

SECTION 5: Firefighting measures

5.1. Extinguishing media

- : Water spray, Dry powder, Foam, Carbon dioxide
- : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

- Fire hazard
 - : No fire hazard
- Explosion hazard
 - : No direct explosion hazard.
- Hazardous decomposition products in case of fire
 - : Toxic fumes may be released.

5.3. Advice for firefighters

- Firefighting instructions
 - : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
- Protection during firefighting
 - : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures
 - : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters.
 - : Absorb spillage to prevent material damage

6.1.1. For non-emergency personnel

- Protective equipment
 - : Wear recommended personal protective equipment
- Emergency procedures
 - : Ventilate spillage area.

6.1.2. For emergency responders

- Protective equipment
 - : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
- Emergency procedures
 - : Evacuate unnecessary personnel. Stop leak if safe to do so.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

- For containment
 - : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible
- Methods for cleaning up
 - : Take up liquid spill into absorbent material
- Other information
 - : Dispose of materials or solid residues at an authorized site

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed
 - : Not expected to present a significant hazard under anticipated conditions of normal use.
- Precautions for safe handling
 - : Ensure good ventilation of the work station. Wear personal protective equipment
- Hygiene measures
 - : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage including any incompatibilities

- Technical measures
 - : Keep in a cool, well-ventilated place away from heat.
- Storage conditions
 - : Keep cool. Protect from sunlight.
- Packaging materials
 - : Store always product in container of same material as original container.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

- Appropriate engineering controls
 - : Ensure good ventilation of the work station.
- Personal protective equipment
 - : Wear recommended personal protective equipment
- Hand protection
 - : Protective gloves
- Eye protection
 - : Safety glasses
- Skin and body protection
 - : Wear suitable protective clothing
- Respiratory protection
 - : In case of insufficient ventilation, wear suitable respiratory equipment



Environmental exposure controls

- : Avoid release to the environment

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state
 - : Liquid
- Colour
 - : Colourless
- Odour
 - : Characteristic
- Odour threshold
 - : No data available
- pH
 - : 3 – 5
- pH solution
 - : No data available
- Relative evaporation rate (butylacetate=1)
 - : No data available
- Melting point
 - : Not applicable
- Freezing point
 - : No data available
- Boiling point
 - : No data available
- Flash point
 - : No data available
- Auto-ignition temperature
 - : No data available
- Decomposition temperature
 - : No data available
- Flammability (solid, gas)
 - : Not applicable
- Vapour pressure
 - : No data available



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Relative vapour density at 20°C : No data available
Density : No data available
Solubility : 0.9 – 1.1 g/cm³
Partition coefficient n-octanol/water (Log Pow) : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosive properties : No data available
Oxidising properties : No data available
Explosive limits : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

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

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Hydrogen peroxide solution... % (7722-34-1)

LD50 oral rat : 693.7 – 1270 mg/kg bodyweight

Peracetic acid... % (79-21-0)

LD50 oral : 80 mg/kg bodyweight

LC50 inhalation - Rat (Dust/Mist) : 0.204 mg/l/4h

Skin corrosion/irritation : Not classified

Detro PAA 1500 (Activated Solution)

pH : 3 – 5

Serious eye damage/irritation : Not classified



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Detro PAA 1500 (Activated Solution)

pH : 3 – 5

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment

Hazardous to the aquatic environment, short-term : Not classified

Hazardous to the aquatic environment, long-term : Not classified

(chronic)

12.2. Persistence and degradability

Detro PAA 1500 (Activated Solution)

Persistence and degradability : Rapidly degradable

Hydrogen peroxide solution... % (7722-34-1)

Persistence and degradability : Rapidly degradable

peracetic acid... % (79-21-0)

Persistence and degradability : Rapidly degradable

12.3. Bioaccumulative potential

Detro PAA 1500 (Activated Solution)

Bioaccumulative potential : No additional information available

12.4. Mobility in soil

Detro PAA 1500 (Activated Solution)

Mobility in soil : No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Ozone

Other adverse effects : Not classified

Other adverse effects : No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional waste regulation : Disposal must be done according to official regulations.



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SDS Reference Number: SDS0086EN
Issue date: 6/14/2024 Version: 1.0

Waste treatment methods
Sewage disposal recommendations
Product/Packaging disposal recommendations
Additional information

- Dispose of contents/container in accordance with licensed collector's sorting instructions
- Disposal must be done according to official regulations.
- Disposal must be done according to official regulations.
- Do not re-use empty containers.

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not regulated for transport				
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

14.6. Special precautions for user

Overland transport
Not regulated

Transport by sea
Not regulated

Air transport
Not regulated

Inland waterway transport
Not regulated

Rail transport
Not regulated

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. National regulations

Personal Protective Equipment Regulation published in the Official Journal numbered 30761 on May 1, 2019
Regulation on Use of Personal Protective Equipments in Workplaces published in the Official Journal numbered 28695 on July 2, 2013
Regulation on Test Methods that will be Applied to Determine the Physicochemical, Toxicological and Ecotoxicological Properties of Substances and Mixtures published in the Official Journal numbered 28848 on December 11, 2013
Regulation on Health and Safety Precautions When Working with Chemical Substances published in the Official Journal numbered 28733 on August 12, 2013

6/14/2024 (issue date)

EN (English)

7/10



Detro PAA 1500 (Activated Solution)

Safety Data Sheet

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Issue date: 6/14/2024 Version: 1.0

Regulation on Health and Safety Precautions When Working with Carcinogenic and Mutagenic Substances published in the Official Journal numbered 28730 on August 6, 2013

Regulation on Transportation of Dangerous Goods by Road published in the Official Journal numbered 30754 on April 24, 2019

Law on Occupational Health and Safety No. 6331 published in the Official Journal numbered 28339 on June 30, 2012

KKDIK Annex 17 (Restriction List)

Contains no substances with KKDIK Annex 17 restrictions

PIC Regulation (Prior Informed Consent)

Contains substance(s) listed on the PIC Regulation (OG 28.01.2023 - 32087): Hydrogen Peroxide (7722-84-1)

POP Regulation (Persistent Organic Pollutants)

Substance(s) are not subject to Regulation on Persistent Organic Pollutants (O.G. 14.11.2018-30595)

Volatile Organic Compounds

No additional information available

Regulation on Ozone Depleting Substances

This product doesn't contain any substances that is controlled or prohibited for use according to the Regulation on Ozone Depleting Substances published in the Official Journal numbered 30031 on April 7, 2017.

Other Regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

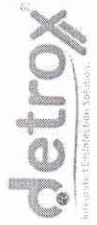
Abbreviations and acronyms

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration

6/14/2024 (issue date)

EN (English)

8/10



Detro PAA 1500 (Activated Solution)
Safety Data Sheet

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SDS Reference Number: SDS0098EN
Issue date: 6/14/2024 Version: 1.0

Abbreviations and acronyms	
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative

Data sources : ECHA (European Chemicals Agency)

Full text of H- and EUH-statements	
Acute Tox. 2 (Dermal)	Acute toxicity (dermal), Category 2
Acute Tox. 2 (Inhalation)	Acute toxicity (inhal.), Category 2
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
EUH210	Safety data sheet available on request
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Org. Perox. D	Organic Peroxides, Type D
Ox. Liq. 1	Oxidising Liquids, Category 1
Ox. Liq. 2	Oxidising Liquids, Category 2
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation
H242	Heating may cause a fire.
H271	May cause fire or explosion; strong oxidiser.
H301	Toxic if swallowed.

6/14/2024 (issue date)

EN (English)

9/10



Detro PAA 1500 (Activated Solution)
Safety Data Sheet

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Full text of H- and EUH-statements	
H302	Harmful if swallowed
H310	Fatal in contact with skin
H314	Causes severe skin burns and eye damage.
H330	Fatal if inhaled
H332	Harmful if inhaled
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Safety Data Sheet (SDS); Turkey

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6/14/2024 (issue date)

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10/10