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SAFETY DATA SHEET
Descoton PAA
Commission Regulation (EU) 2020/878 of 18 June 2020.

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

1.1. Product identifier

Product name Descoton PAA

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

Identified uses Disinfectant for medical devices

Uses advised against No specific uses advised against are identified. Use only for intended applications.

1.3. Details of the supplier of the safety data sheet

Manufacturer
Dr Schumacher Kimya Sanayi ve Ticaret A.Ş.
İbni Melek Organized Industrial Zone
5th Road No: 42 Tire/ IZMIR/ TURKEY
0232 513 50 05
0232 853 94 87

1.4. Emergency telephone number

Emergency telephone TEL: +90 232 513 50 05

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Org. Perox. D - H242 Met. Corr. 1 - H290

Health hazards Skin Corr. 1A - H314 Eye Dam. 1 - H318 STOT SE 3 - H335

Environmental hazards Aquatic Chronic 2 - H411

2.2. Label elements

Hazard pictograms

Signal word Danger

Hazard statements
H242 Heating may cause a fire.
H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.
H335 May cause respiratory irritation.
H411 Toxic to aquatic life with long lasting effects.

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Precautionary statements	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P234 Keep only in original packaging. P273 Avoid release to the environment. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. 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. P391 Collect spillage. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P406 Store in a corrosion-resistant container with a resistant inner liner. P501 Dispose of contents/ container in accordance with national regulations.
Contains	Peracetic acid, Hydrogen peroxide solution

2.3. Other hazards

This substance is not classified as PBT or vPvB according to current EU criteria.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Peracetic acid **< %10**

CAS number: 79-21-0 EC number: 201-186-8

M factor (Acute) = 1

Specific Concentration Limits - Peracetic acid: STOT SE 3; H335: C ≥ 1%

Classification

Flam. Liq. 3 - H226
Org. Perox. D - H242
Acute Tox. 4 - H302
Acute Tox. 4 - H312
Acute Tox. 4 - H332
Skin Corr. 1A - H314
Eye Dam. 1 - H318
STOT SE 3 - H335
Aquatic Acute 1 - H400
Aquatic Chronic 1 - H410

Hydrogen peroxide solution **< %5**

CAS number: 7722-84-1 EC number: 231-765-0

Specific Concentration Limits - Hydrogen peroxide solution: Skin Corr. 1A; H314: C ≥ 70 %, Skin Corr. 1B; H314: 50 % ≤ C < 70 %, Eye Dam. 1; H318: 8 % ≤ C < 50 %, Eye Irrit. 2; H319: 5 % ≤ C < 8 %, Skin Irrit. 2; H315: 35 % ≤ C < 50 %, Ox. Liq. 1; H271: C ≥ 70 %, Ox. Liq. 2; H272: 50 % ≤ C < 70 %, STOT SE 3; H335;C ≥ 35 %.

Classification

Ox. Liq. 1 - H271
Acute Tox. 4 - H302
Acute Tox. 4 - H332
Skin Corr. 1A - H314
Eye Dam. 1 - H318
STOT SE 3 - H335
Aquatic Chronic 3- H412

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Disodium dihydrogenpyrophosphate	**< %5**
CAS number: 7758-16-9	EC number: 231-835-0
Classification Eye Irrit. 2 - H319	

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information Get medical advice/attention if you feel unwell. Effects may be delayed. Keep affected person under observation.

Inhalation Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If throat irritation or coughing persists, proceed as follows. Get medical attention.

Ingestion Never give anything by mouth to an unconscious person. Do not induce vomiting unless under the direction of medical personnel. Rinse nose and mouth with water. Get medical attention immediately.

Skin contact Take off immediately all contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention immediately.

Eye contact Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes and get medical attention. Do not rub eye. Get medical attention immediately.

Protection of first aiders First aid personnel should wear appropriate protective equipment during any rescue.

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

General information The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation May cause sensitisation or allergic reactions in sensitive individuals. A single exposure may cause the following adverse effects: Irritation of nose, throat and airway. Difficulty in breathing. Coughing.

Ingestion May cause sensitisation or allergic reactions in sensitive individuals. May cause discomfort if swallowed. Stomach pain. Nausea, vomiting.

Skin contact Causes severe burns. Severe irritation. Redness. Pain.

Eye contact Causes serious eye damage. Pain. Redness. Severe irritation, burning, tearing and blurred vision.

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

Notes for the doctor Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media The product is non-combustible. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards Thermal decomposition or combustion products may include the following substances: Toxic and corrosive gases or vapours.

Hazardous combustion products Toxic and corrosive gases or vapours. Carbon dioxide (CO2). Carbon monoxide (CO).

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5.3. Advice for firefighters

Protective actions during firefighting	Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Avoid breathing fire gases or vapours. If risk of water pollution occurs, notify appropriate authorities.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of vapours and spray/mists. Use suitable respiratory protection if ventilation is inadequate. Avoid contact with skin and eyes. No smoking, sparks, flames or other sources of ignition near spillage.

6.2. Environmental precautions

Environmental precautions	Avoid discharge into drains or watercourses or onto the ground. Avoid discharge to the aquatic environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Clear up spills immediately and dispose of waste safely. Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely.

6.4. Reference to other sections

Reference to other sections	For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions	Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Do not use in confined spaces without adequate ventilation and/or respirator. Keep away from food, drink and animal feeding stuffs. Container must be kept tightly closed when not in use. Avoid inhalation of vapours and contact with skin and eyes. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site.
Advice on general occupational hygiene	Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions	Store in tightly-closed, original container in a dry, cool and well-ventilated place. Protect containers from damage. It should be acid resistant packaging material. Store away from the following materials: Acids. Avoid contact with oxidising agents. Keep away from food, drink and animal feeding stuffs.
Storage class	Miscellaneous hazardous material storage.

7.3. Specific end use(s)

Specific end use(s)	The identified uses for this product are detailed in Section 1.2.

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SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

Hydrogen peroxide solution

Long-term exposure limit (8-hour TWA): WEL 1 ppm 1.4 mg/m³
Short-term exposure limit (15-minute): WEL 2 ppm 2.8 mg/m³
WEL = Workplace Exposure Limit.

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

DNEL	Workers - Inhalation; Long term local effects: 1,4 mg/m³

8.2. Exposure controls

Protective equipment

Appropriate engineering controls	Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients. Eye wash facilities and emergency shower must be available when handling this product.
Eye/face protection	Wear tight-fitting, chemical splash goggles or face shield. Personal protective equipment for eye and face protection should comply with European Standard EN166.
Hand protection	Wear protective gloves. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with European Standard EN374. Frequent changes are recommended.
Other skin and body protection	Wear appropriate clothing to prevent skin contamination.
Hygiene measures	Wash after use and before eating, smoking and using the toilet. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Use appropriate skin cream to prevent drying of skin. Do not eat, drink or smoke when using this product. Promptly remove any clothing that becomes wet or contaminated. Change work clothing daily before leaving workplace.
Respiratory protection	If ventilation is inadequate, suitable respiratory protection must be worn. Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked. Gas and combination filter cartridges should comply with European Standard EN14387.
Environmental exposure controls	Keep container tightly sealed when not in use. Store in a demarcated bunded area to prevent release to drains and/or watercourses.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Colourless.
Odour	Characteristic.
Odour threshold	No information available.
pH	pH (concentrated solution): max 3 @20 C 1% diluted product pH Value: 3 3% diluted product pH Value: 3

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Melting point	No information available.
Initial boiling point and range	No information available.
Flash point	No information available.
Evaporation rate	No information available.
Flammability (solid, gas)	No information available.
Upper/lower flammability or explosive limits	No information available.
Vapour pressure	No information available.
Vapour density	No information available.
Relative density	No information available.
Density	0,99-1,10 g/ml @20°C
Solubility(ies)	No information available.
Partition coefficient	No information available.
Auto-ignition temperature	No information available.
Decomposition Temperature	No information available.
Viscosity	No information available.
Explosive properties	No information available.
Oxidising properties	No information available.

9.2. Other information

Solvent content	%0

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity Stable under the prescribed storage conditions.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions The following materials may react strongly with the product: Amines. Alkalis. Strong oxidising agents. Strong acids.

10.4. Conditions to avoid

Conditions to avoid Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials

Materials to avoid Avoid contact with acids and alkalis. Strong oxidising agents. May be corrosive to metals.

10.6. Hazardous decomposition products

Hazardous decomposition products Thermal decomposition or combustion products may include the following substances: Toxic and corrosive gases or vapours. Carbon monoxide (CO). Carbon dioxide (CO2). Oxygen.

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SECTION 11: Toxicological information

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

Acute toxicity - oral

Notes (oral LD_{50})	Based on available data the classification criteria are not met.
ATE oral (mg/kg)	3,846.15

Acute toxicity - dermal

Notes (dermal LD_{50})	Based on available data the classification criteria are not met.
ATE dermal (mg/kg)	12,222.22

Acute toxicity - inhalation

Notes (inhalation LC_{50})	Based on available data the classification criteria are not met.
ATE inhalation (vapours mg/l)	84.62

Skin corrosion/irritation

Skin corrosion/irritation	Causes severe burns.

Serious eye damage/irritation

Serious eye damage/irritation	Corrosive to skin. Corrosivity to eyes is assumed.

Respiratory sensitisation

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

Skin sensitisation

Skin sensitisation	Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro	Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity	Based on available data the classification criteria are not met.
IARC carcinogenicity	Contains a substance which may be potentially carcinogenic.

Reproductive toxicity

Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity - development	Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure	STOT SE 3 - H335 May cause respiratory irritation.
Target organs	Respiratory system, lungs

Specific target organ toxicity - repeated exposure

STOT - repeated exposure	Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard

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

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

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Inhalation	Corrosive to the respiratory tract. Symptoms following overexposure may include the following: Severe irritation of nose and throat.
Ingestion	May cause chemical burns in mouth, oesophagus and stomach. Symptoms following overexposure may include the following: Severe stomach pain. Nausea, vomiting.
Skin contact	Causes severe burns. Symptoms following overexposure may include the following: Pain or irritation. Redness. Blistering may occur.
Eye contact	Causes serious eye damage. Symptoms following overexposure may include the following: Pain. Profuse watering of the eyes. Redness.
Route of exposure	Ingestion Inhalation Skin and/or eye contact
Target organs	Respiratory system, lungs

Toxicological information on ingredients.

Peracetic acid

Acute toxicity - oral

Notes (oral LD_{50})	LD_{50} 1740 mg/kg, Oral, Rat
ATE oral (mg/kg)	500.0

Acute toxicity - dermal

Notes (dermal LD_{50})	LD_{50} 1590 mg/kg, Dermal, Rabbit
ATE dermal (mg/kg)	1,100.0

Acute toxicity - inhalation

Notes (inhalation LC_{50})	LC50 76-241 mg/l, 4 hour, Vapour Rat
ATE inhalation (vapours mg/l)	11.0

Hydrogen peroxide solution

Acute toxicity - oral

Notes (oral LD_{50})	LD_{50} 376 mg/kg, Oral, Rat
ATE oral (mg/kg)	500.0

Acute toxicity - dermal

Notes (dermal LD_{50})	LD_{50} 3.000 mg/kg, Dermal, Rat

Acute toxicity - inhalation

Notes (inhalation LC_{50})	LC50 2 mg/l, 4 hour, Vapour Rat
ATE inhalation (vapours mg/l)	11.0

11.2. Information on other hazards

Information on other hazards This product does not contain any known or suspected endocrine disruptors.

SECTION 12: Ecological information

12.1. Toxicity

Toxicity Toxic to aquatic life with long lasting effects.

Ecological information on ingredients.

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Peracetic acid

Acute aquatic toxicity

LE(C)$_{50}$	0.1 < L(E)C50 ≤ 1
M factor (Acute)	1
Acute toxicity - fish	LC_{50}, 96 hour: 0,53 mg/l, Oncorhynchus mykiss (Rainbow trout) (Perasetik asit %15) (OECD 203) LC_{50}, : 1,1 mg/l, Lepomis macrochirus (Bluegill) LC_{50}, : 11 mg/l, Pleuronectes platessa
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hour: 0,73 mg/l, Daphnia magna (Perasetik asit %5) (OECD 202) EC_{50}, : 0,27 mg/l, Mytilus galloprovincialis (Akdeniz midyesi)
Acute toxicity - aquatic plants	EC_{50}, 72 hour: 0,16 mg/l, Selenastrum capricornutum (Perasetik asit %5)

Hydrogen peroxide solution

Acute aquatic toxicity

Acute toxicity - fish	LC_{50}, 96 hour: 22-26,7 mg/l,
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hour: 2,32–24 mg/l,
Acute toxicity - aquatic plants	EC_{50}, 72 hour: 0,71-5,81 mg/l, Algae

Disodium dihydrogenpyrophosphate

Acute aquatic toxicity

Acute toxicity - fish	LC_{50}, 96 hour: 10 mg/l, Pimephales promelas (Fat-head Minnow)

12.2. Persistence and degradability

Persistence and degradability The degradability of the product is not known.

Ecological information on ingredients.

Peracetic acid

Persistence and degradability Rapidly degradable

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient No information available.

12.4. Mobility in soil

Mobility No data available.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Endocrine disrupting properties

The product does not contain endocrine disruptors

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12.7. Other adverse effects

Other adverse effects	None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information	The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Empty containers or liners may retain some product residues and hence be potentially hazardous.
Disposal methods	Do not empty into drains. Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents.
Waste class	07 06 99 wastes not otherwise specified

SECTION 14: Transport information

14.1. UN number or ID Number

UN No. (ADR/RID)	3105
UN No. (IMDG)	3105
UN No. (ICAO)	3105
UN No. (ADN)	3105

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	ORGANIC PEROXIDE TYPE D, LIQUID (PEROXYACETIC ACID)
Proper shipping name (IMDG)	ORGANIC PEROXIDE TYPE D, LIQUID (PEROXYACETIC ACID)
Proper shipping name (ICAO)	ORGANIC PEROXIDE TYPE D, LIQUID (PEROXYACETIC ACID)
Proper shipping name (ADN)	ORGANIC PEROXIDE TYPE D, LIQUID (PEROXYACETIC ACID)

14.3. Transport hazard class(es)

ADR/RID class	5.2
ADR/RID subsidiary risk	8
ADR/RID label	5.2
IMDG class	5.2
IMDG subsidiary risk	8
ICAO class/division	5.2
ICAO subsidiary risk	8
ADN class	5.2
ADN subsidiary risk	8

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Transport labels

14.4. Packing group

ADR/RID packing group	None
IMDG packing group	None
ADN packing group	None
ICAO packing group	None

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

14.6. Special precautions for user

EmS	F-J, S-R
Limited quantity	125 mL
ADR transport category	2
Tunnel restriction code	(D)

14.7. Maritime transport in bulk according to IMO instruments

Maritime transport in bulk according to IMO instruments	Not applicable.

SECTION 15: Regulatory information

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

National regulations	Health and Safety at Work etc. Act 1974 (as amended). The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"]. EH40/2005 Workplace exposure limits.
EU legislation	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Commission Regulation (EU) 2020/878 of 18 June 2020.
Restrictions (Annex XVII Regulation 1907/2006)	No specific restrictions on use are known for this product.
Seveso Directive - Control of major accident hazards	P6b Lower-tier 50 tonnes Upper-tier 200 tonnes. E2 Lower-tier 200 tonnes Upper-tier 500 tonnes.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

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SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways. RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail. IATA: International Air Transport Association. ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air. IMDG: International Maritime Dangerous Goods. CAS: Chemical Abstracts Service. ATE: Acute Toxicity Estimate. LC_{50}: Lethal Concentration to 50 % of a test population. LD_{50}: Lethal Dose to 50% of a test population (Median Lethal Dose). EC_{50}: 50% of maximal Effective Concentration. PBT: Persistent, Bioaccumulative and Toxic substance. vPvB: Very Persistent and Very Bioaccumulative.
Classification abbreviations and acronyms	Eye Dam. = Serious eye damage Skin Corr. = Skin corrosion STOT SE = Specific target organ toxicity-single exposure
Key literature references and sources for data	Source: European Chemicals Agency, http://echa.europa.eu/ This SDS is prepared based on the information and documents received from product owner. CRAD or/and SDS author shall not be responsible for incorrect preapared of SDS and pecuniary loss or intangible damages because of deficient or wrong information and documents which comes from product owner.
Classification procedures according to Regulation (EC) 1272/2008	Eye Dam. 1 - H318: Skin Corr. 1A - H314: STOT SE 3 - H335: Aquatic Chronic 2 - H411: : Calculation method. Org. Perox. D - H242: Expert judgement. Met. Corr. 1 - H290: Expert judgement.
Revision comments	Revised based on current regulations.
Issued by	Büşra Tarakci / CRAD gbf@crad.com.tr Tel.:+90 216 3354600
Revision date	22/06/2023
Revision	2.0
Supersedes date	05/02/2022
SDS number	11741
Hazard statements in full	H226 Flammable liquid and vapour. H242 Heating may cause a fire. H271 May cause fire or explosion; strong oxidiser. H290 May be corrosive to metals. H302 Harmful if swallowed. H312 Harmful in contact with skin. H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation. H400 Very toxic to aquatic life. H411 Toxic to aquatic life with long lasting effects.