



## SAFETY DATA SHEET

According to Regulations 1907/2006/EC and 1272/2008 (CLP) and Regulation (EU) 2020/878 of 18 June 2020.

Date of issue:  
**03. 01. 2017.**

Edition: **03**  
Replaces revision **02**  
Revised on: **11/24/2023**

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### MY OCEAN ANTILIME

#### SECTION 1: IDENTIFICATION OF THE SUBSTANCE OR THE MIXTURE AND OF THE COMPANY/ UNDERTAKING

##### 1.1 Product identifiers

##### **MY OCEAN ANTILIME**

Product code: please contact sales department

UFI: 6S00-A0GG-8009-SNA9

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

##### **Identified uses**

Cleaning agent for scale.

Preparation for professional use.

##### 1.3 Details of the supplier of the safety data sheet

Company: Ocean Service Ltd.  
Address: 1 "Pordp. Dimitar Filov" Str , Stara Zagora,  
Bulgaria

Phone: (+359 2) 857 00 20  
(+359 897) 883 436

e-mail: Office@oceanservice

Internet: www.oceanservice.bg

Contact person: Nina Georgieva  
email of the person in charge person/issuer: ninadmandieva75@gmail.com

1.4 Emergency telephone number  
National Toxicology Information Center,  
General Hospital for Active treatment and  
emergency medicine "N.I. Pirogov": Emergency  
telephone / fax: +359 2 9154 233 E-mail:  
poison\_centre@mail.orbitel.bg  
http://www.pirogov.bg Access restrictions: no  
access restrictions 24 hours a day

#### SECTION 2: HAZARDS IDENTIFICATION

##### 2.1 Classification of the substance or mixture

##### **Classification in according to Regulation (EU) No. 1272/2008**

H302 Harmful if swallowed

H315 Causes skin irritation

H318 Causes serious eye damage

H335 May cause respiratory irritation

For the full text of the H- Statements mentioned in this Section, see Section 16

##### 2.2 Label elements

##### **Labelling in according Regulation (EU) No. 1272/2008**

Pictogram

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GHS05

GHS07

Dangerous

Signal word

Hazard statement(s)

H302

H315

H318

H335

Precautionary statement(s)

P312

P305 + P351 + P338

P310

P301+330+331

P264

P270

P280

Supplemental Hazard

Statements

#### 2.3 Other hazards

A substance/mixture containing no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Environmental information:

The substance/mixture does not contain components that are considered to have the properties to destroy the endocrine system according to Article 57 (f) of the Regulation on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) or Delegated Regulation (EU) 2017/2100 of the Commission, or Regulation (EU) 2018/605 of Commission at levels of 0.1% or higher.

Toxicological information:

The substance/mixture does not contain components that are considered to have the properties to destroy the endocrine system according to Article 57 (f) of the Regulation on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) or Delegated Regulation (EU) 2017/2100 of the Commission, or Regulation (EU) 2018/605 of Commission at levels of 0.1% or higher.

Call a POISON CENTER/ doctor/ if you feel unwell.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Immediately call a POISON CENTER/doctor

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Wash your hands thoroughly after handling.

Do not eat, drink or smoke when using this product.

Wear protective gloves/ protective clothing/ eye protection/ face protection

No

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**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.2 Mixtures -** Does not contain substances in nanoforms

The preparation is based on the substances listed below

**Hazardous ingredients in accordance with Regulation (EC) No 1272/2008**

Component		Classification	Concentration
<b>Phosphoric acid</b>			
CAS No	7664-38-2	Corrosive to metals(Category 1), H290 Skin corrosion(Category 1B), H314	15-30%
EC No	231-633-2		
<b>1-Hydroxyethylidenediphosphonic acid</b>			
CAS No	2809-21-4	Met. Corr.1; Acute Tox.4; Eye Dam.1; H290, H302, H318	1-5%
EC No	220-552-8		

For the full text of the H-Statements mentioned in this Section, see Section 16.

**Section 4: FIRST AID MEASURES**

**4.1 Description of first aid measures**



**General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance.

**If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**In case of skin contact**

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

**In case of eye contact**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**If swallowed**

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

**4.3 Instructions for the need of any urgent medical care and special treatment**

Symptomatic treatments

**MY OCEAN ANTILIME****SECTION 5: FIREFIGHTING MEASURES****5.1 Extinguishing media****Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

**5.2 features which derive from the substance or mixture**

As a result of incineration or thermal decomposition, reactive compounds may be released which may be highly toxic, and therefore may result in serious health risks.

**5.3 Tips for firefighters.**

Wear self-contained breathing apparatus for firefighting if necessary.

**5.4 Additional Information**

No Information

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1 Personal precautions, protective equipment and emergency procedures**

Isolate the leak if this does not pose an additional risk to the people who perform the task. Evacuate the area and keep those who have no means of protection. In case of potential contact with spilled product, you should use your personal protective equipment (see Section 8). Above all, prevent the spread of substances that may catch fire when in contact with the air, for example through ventilation or in the use of inerting agents. Destroy all flammable sources. Remove the electrostatic charge by connecting all conductive surfaces where static electricity can be formed and ground them.

**6.2 Environmental precautions**

The product is not classified as dangerous for the environment. Keep away from effluent, surface and ground water.

**6.3 Methods and materials for containment and cleaning up**

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

**6.4 Reference to other Sections**

For disposal see section 13

**Section 7: HANDLING AND STORAGE****7.1 Precautions for safe handling**

A - Precautions

Act in accordance with legislation on the prevention of manufacturing risks. Keep the containers sealed. Destroy spills and debris in safe ways (Section 6). Avoid containers from the containers. Keep order and cleanliness where dangerous products are used.

C - Technical recommendations for the prevention of fires and explosions

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Avoid evaporation of the product as it contains flammable substances which may form flammable vapors / air mixtures in the presence of flammable sources. Control flammable sources (mobile phones, sparks) and transport at low speed to avoid creating an electrostatic charge. Avoid spraying. See Section 10 for conditions and materials to be avoided.

C - Technical recommendations for the prevention of ergonomic and toxicological risks

Do not eat or drink at work, then wash your hands with the appropriate means.

D - Technical recommendations for the prevention of environmental hazards

It is advisable to have absorbent material in the immediate vicinity of the product

#### **7.2 Conditions for safe storage, including any incompatibilities**

Store only in the original package.

Keep away from beverages and food for human and animal consumption.

#### **7.3 Specific end use(s)**

There is not specific use

### Section 8: EXPOSURE CONTROL/PERSONAL PROTECTIVE EQUIPMENT

#### **8.1 Control parameters**

CAS No	Chemical agent	ppm	mg/m <sup>3</sup>	Category
7664-38-2	Phosphoric acid		1	(8 h)
			2	(15 min)

#### **DNEL-/DMEL**

CAS No	Chemical agent			
DNEL		Route of exposure	Effect	Value
7664-38-2	Phosphoric acid			
Worker DNEL, long-term		inhaled	local	1 mg/m <sup>3</sup>
User DNEL, дългосрочен		inhaled	local	0.73 mg/m <sup>3</sup>

#### **8.2 Exposure Control**

##### **Appropriate engineering controls**

Operate in accordance with the rules for industrial hygiene and equipment for safety. Wash hands before breaks and at the end of the working day.

##### **Personal protective equipment**

##### **Eye/face protection**



Snug-fitting protective goggles use equipment to protect eyes, tested and approved.

**MY OCEAN ANTILIME****Skin protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

**Full contact**

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

**Splash contact**

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

**Respiratory Protection.**

Where risk assessment shows air-purifying respirators are appropriate use (US) or type ABEK (EN 14387) respirator cartridges as a backup to engine protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Control of environmental exposure**

Prevent subsequent leaks or spills, if it is safe to do so. Do not allow the expiry of the product into sewers. To avoid discharging into the environment.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties**

a) Appearance

Form: liquid

b) Odour

Color: colorless

c) Odour Threshold

No

d) pH (20°C) 1 % solution

No Information

e) Melting point/freezing point

0.50-1.00

f) Initial boiling point and boiling range

0°C

100°C



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- |   |                                |
|---|--------------------------------|
| g) Flash point                                  | No Information                 |
| h) Evaporation rate                             | No Information                 |
| i) Flammability (solid, gas)                    | No Information.                |
| j) Upper/lower flammability or explosive limits | No Information                 |
| k) Vapor pressure                               | No Information                 |
| l) Vapour density                               | No Information                 |
| m) Relative density                             | 1.2 g/cm <sup>3</sup> at 25 °C |
| n) Water solubility                             | Completely soluble             |
| o) Partition coefficient: n-octanol/water       | No Information                 |
| p) Auto-ignition temperature                    | No Information                 |
| q) Decomposition temperature                    | No Information                 |
| r) Viscosity                                    | No Information                 |
| s) Explosive properties                         | No Information                 |
| t) Oxidizing properties                         | No Information                 |

### 9.2 Other safety information

No data available

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

Reacts with alkaline bases.

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

Reaction violently with sodium tetrahydroborate. It performs exothermic reactions with aldehydes, amines, amides, alcohols and glycols, azo compounds, esters, caustics, phenols and cresols, ketones, explosives, combustible materials, and organic peroxides.

### 10.4 Conditions to avoid

Heat, direct sunlight, contact with ordinary and alkaline metals.

### 10.5 Incompatible materials

Incompatibility with powdered metals, strong bases, chlorides, iron-containing compounds. Do not mix with solutions containing bleach or ammonia. Exercises strong corrosive action on copper, aluminum, stainless steel. Less corrosive on bronze.

### 10.6 Hazardous decomposition products

Phosphoric acid forms flammable gases with sulphides, cyanides and aldehydes. Separates toxic smoke with cyanides, sulphides, fluorides, organic peroxides and halogenated hydrocarbons. Mixtures with nitromethane are explosive.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute toxicity

CAS No	Chemical agent				
	Route of exposure	Dose	Biological species	Source	Method
7664-38-2	Phosphoric acid				
	Oral	LD50 >3500 mg/kg	Rat		





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CAS No	Chemical agent				
	Route of exposure	Dose	Biological species	Source	Method
	Dermal	LD50 >2470 mg/kg	Rabbit		
2809-21-4	1-Hydroxyethylidenediphosphonic acid				
	Oral	LD50 2400 mg/kg	Rat	OECD	401

#### Skin corrosion/irritation

No Information

#### Serious eye damage/eye irritation

No Information

#### Respiratory or skin sensitisation

No Information

#### Germ cell mutagenicity

No Information

#### Carcinogenicity

IARC: None of the components of this product with a percentage content greater than or equal to 0.1% has not been identified by the IARC as a likely, suspected or confirmed human carcinogen

#### Reproductive toxicity

No Information

#### Specific target organ toxicity -single exposure

No Information

#### Specific target organ toxicity -repeated exposure

No Information

#### Aspiration hazard

No Information

#### Additional Information

No Information

### SECTION 12: ECOLOGICAL INFORMATION

#### 12.1 Toxicity

When properly low concentrations are released in adapted biological treatment plants, no biodegradation of the active sludge is expected. Before removing wastewater to a treatment plant, it is necessary to neutralize them.

#### Toxicity to aquatic environment (acute)

CAS No	Chemical agent					
	Aquatic toxicity	Dose	[H] [d]	Species	Source	Method
7664-38-2	Phosphoric acid					
	Toxicity to crustaceans	EC50 4,6 mg/L	12 h	Daphnia magna	ECHA	EC50 4,6 mg/L

#### 12.2 Persistence and degradability

No data available



**MY OCEAN ANTILIME****12.3 Bioaccumulative potential**

No Information

**12.4 Mobility in soil**

No data available

**12.5 Results of PBT and vPvB assessment**

No data available

**12.6. Properties that disrupt the functions of the endocrine system**

There are no known adverse effects on the environment caused by substances, possessing properties that disrupt the functions of the endocrine system.

**12.7. Other adverse effects**

No information

**SECTION 13: DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods****Product**

Offer surplus and non-recyclable solutions to a licensed disposal company

**Contaminated packaging**

Dispose of as unused product.

**SECTION 14: TRANSPORT INFORMATION****14.1 UN number**

ADR/RID: 1760

IMDG: 1760

IATA: 1760

**14.2 UN proper shipping name**

ADR/RID:

PHOSPHORIC ACID SOLUTION

IMDG:

PHOSPHORIC ACID SOLUTION

IATA:

Phosphoric acid, solution

**14.3 Transport hazard class(es)**

ADR/RID: 8

IMDG:8

IATA: 8

**14.4 Packaging group**

ADR/RID: II

IMDG: II

IATA: II

**14.5 Environmental hazards**

ADR/RID: no

IMDG Marine pollutant:no

IATA: no

**14.6 Special precautions for user**

No Information

**SECTION 15: REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Regulation (EC) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2008 (REACH).



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European Parliament Regulation (EC) No 1907/2008 on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).

European Parliament Regulation (EC) No 1271/2008 on Classification, Labeling and Packaging of substances and mixtures.

European Parliament and Council Directive 1999/45 / EC on the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, labeling and packaging of substances and mixtures.

European Directive 76/769 / EEC on the restriction of the placing on the market and use of certain dangerous substances and preparations.

ESV-ESIS-European Chemicals Information System, IUCLD

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

Commission Directive 2000/39 EC establishing first lists of indicative occupational exposure limit values for the implementation of Council Directive 98/24 / EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Council Directive 89/656 / EEC on the minimum health and safety requirements for the use of personal protective equipment at the workplace.

Directive 2008/98 / EC of the European Parliament and of the Council of 19 November 2008 on waste.

Directive 2000/60 / EC establishing a framework for action in the field of water policy.

European Directive 91/689 / EEC on hazardous waste.

European Directive 94/62 / EC on Packaging and Waste.

European Directive 1999/31 / EC on the landfill of waste.

National legislation:

Law on protection against the harmful effects of chemical substances and mixtures (promulgated, State Gazette, issue 10 of 2000);

Environmental Protection Act (promulgated, State Gazette No. 91 of 25.09.2002);

Health and Safety at Work Act - (promulgated in State Gazette No.124 of 23 December 1997),

Waste Management Act (promulgated, State Gazette No. 53 of 13.07.2012);

Ordinance No 2 of 23.07.2014 on the classification of waste (promulgated SG No. 66 of 08.08.2014);

Ordinance No 13 of 30 December 2003 on the protection of workers from the risks related to exposure to chemical agents at work

#### **15.2 Chemical safety assessment**

For this product a chemical safety assessment was not carried out

#### **SECTION 16: OTHER INFORMATION**

#### **Full text of H-Statements referred to under sections 2 and 3.**

H290	May be corrosive to metals
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage



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H319	Causes serious eye irritation
P260	Do not breathe dust/fumes/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye
P301+330+331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.protection/face protection.
P301+330+331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P304+340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P234	Keep only in original container.
P261	Avoid breathing dust/fumes/gas/mist/vapours/spray
P264	Wash your hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P310	Immediately call a POISON CENTER/doctor/
P312	Call a POISON CENTER/ doctor/ if you feel unwell.
P321	Specific treatment
P363	Wash contaminated clothing before reuse
P302+352	IF ON SKIN: Wash with plenty of water
P332+313	If skin irritation occurs: Get medical advice/attention.
P337+313	If eye irritation persists get medical advice/attention
P391	Collect spillage.
P403+233	Store in a well ventilated place. Keep container tightly closed.
P405	Store locked up.
P406	Store in a corrosive resistant

The above information shall be deemed to be true, but does not claim to be comprehensive and must be used only as a guide. Information in this document is based on our current knowledge and is applicable to the product as regards the containment measures for safety.