



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

1.1 Product identifiers

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

Identified uses

Alkaline detergent

Preparation for professional use.

Product code: please contact sales department

UFI: H4S2-E0K2-Q006-9YJE

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

H314 Causes severe skin burns and eye damage

H318 Causes serious eye damage

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

Signal word

Dangerous

Hazard statement(s)

H314

Causes severe skin burns and eye damage

H290

May be corrosive to metals

Precautionary statement(s)

P260

Do not breathe dust/fumes/gas/mist/vapours/spray

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

P303+361+353

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P310

Immediately call a POISON CENTER/doctor/

P264

Wash your hands thoroughly after handling.

P270

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

P280

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

Supplemental Hazard

No

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



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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.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures - The preparation is based on the substances listed below

The preparation is based on the substances listed below

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

Component	Classification	Concentration
Sodium hydroxide		
CAS No 1310-73-2 EC-No 215-185-5 REACH 01-2119457892-27-0065	Met. Corr.1; Skin Corr.1A; H290, H314 Concentration Limits: >= 5 %: Skin Corr.1A, H314; 2 -< 5 %: Skin Corr.1B, H314;0,5 -< 2 %: Skin Irrit.2, H315;0,5 -< 2 %: Eye Irrit.2, H319;>= 1 %: Met. Corr.1, H290;	1-5%
Sodium metasilicate		
CAS No 10213-79-3 EC-No 229-912-9	Met. Corr.1; Skin Corr.1B; STOT SE3; H290, H314, H335	5-15%

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.



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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

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

No Information

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

Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.

Evacuate personnel to safe areas. For personal protection see section 8.

6.2 Environmental precautions

Do not let product enter drains.

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

Use only as intended. Do not eat, drink or smoke at work



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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

Limit values of chemical agents in the air of the working environment

CAS No	Chemical agent	ppm	mg/m ³	Category
1310-73-2	Sodium hydroxide	-	2	(8 h)
		-	-	(15 min)

DNEL-/DMEL

CAS No	Chemical agent			
DNEL		Route of exposure	Effect	Value
1310-73-2	Sodium hydroxide			
Worker DNEL, long-term		inhaled	local	1 mg/m ³
User DNEL, long-term		inhaled	local	1 mg/m ³

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.

Skin protection





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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 enginee 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
	Color: light yellow
b) Odour	Specific
c) Odour Threshold	No Information
d) pH (20°C) 1 % solution	12.5-13.50
e) Melting point/freezing point	0°C
f) Initial boiling point and boiling range	100°C
g) Flash point	No Information
h) Evaporation rate	No Information



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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	1.20 g/cm ³ 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

None, in case of proper use

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No information

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

Strong oxidants

10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Sodium oxides.

In case of fire: see section 5

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

CAS No	Chemical agent				
	Route of exposure	Dose	Biological species	Source	Method
1310-73-2	Sodium hydroxide				
	Oral	LD50 250 mg/kg	Rabbit	OECD	401
	Dermal	LD50 1500 mg/kg	Rat	OECD	402

Skin corrosion/irritation

No Information



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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.

CAS №	Chemical agent					
	Aquatic toxicity	Dose	[h] [d]	Biological species	Source	Method
1310-73-2	Sodium hydroxide					
	Acute toxicity to fish	LC50 125mg/l	96 h	Gambusia affinis	SDB Lieferant	
	Acute toxicity to crustaceans	EC50 40.4 mg/l	48 h	Ceriodaphnia	ECHA	

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No Information

12.4 Mobility in soil

No data available



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12.5 Results of PBT and vPvB assessment

Substance / mixture not containing components that are considered to be either persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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: 1824

IMDG: 1824

IATA: 1824

14.2 UN proper shipping name

ADR/RID:

SODIUM HYDROXIDE SOLUTION

IMDG:

SODIUM HYDROXIDE SOLUTION

IATA:

Sodium hydroxide 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

This safety data sheet meet the requirements of Regulation (EU) No. 1907/2006.



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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
H319	Causes serious eye irritation
H335	May cause respiratory irritation
Precautionary statement(s)	
P264	Wash your hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection
P312	Call a POISON CENTER/ doctor/if you feel unwell.
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/
P301+330+331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P234	Keep only in original container.

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.