

Material safety data sheet

In compliance with Regulation 1907/2006

OCEAN MATIC

Supplier :

“Ocean Service” LTD

“Podp. D. Philov” №1-Str.

Stara Zagora

UIC: 131204804

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Issue: 1

Pages (number) - 8

Trade name

OCEAN MATIC

11. Identification of substance and company

1.1. Identification of substance / detergent:

OCEAN MATIC

1.2. Usage of substance

Detergent for dishwashers.

1.3. Identification and address of the supplier

“Ocean Service” LTD

“Podp. D. Filov” №1 Str.

Stara Zagora

1.4. Telephone number in case of emergency

Telephone: 02/857 00 20 (9-17 h).

Toxicology Pirogov - 02/9154233; 9154346

2. Hazard identification

2.1. Classification of hazards:

2.2.1 Classification in compliance with Regulation (EG) No. 1272/2008 [EU-GHS/CLP]

Danger– Corrosion

H314–Causes severe skin burns and eye damage.

Acute skin toxicity

2.2.2 Classification according to EU Directives 67/548/EEC or 1999/45/EC

"Corrosive"

(C) R:35 Causes severe burns.

S: (1/2-)26-37/39-45

2.2.3.Main symptoms of intoxication:

Inhalation - corrosive effect. Severe burns, cough, laboured and rapid breathing, throat irritation, chemical pneumonia. Symptoms may occur after latency period with different length. Prolonged exposure to the vapour of the detergent can lead to edema of the lungs.

Skin Contact - severe burns, pain.

Eye Contact - severe deep burns, pain, temporary or permanent loss of vision.

Ingestion - burns of the mouth, oesophagus and stomach. In complicated cases, stricture of the esophagus, mediastinitis. Shock, collapse.

2.2 Elements of label

Labeling in accordance with Regulation (EC) No. 1272/2008 [CLP]

Pictogram



H314 Causes severe skin burns and eye damage.

Additional danger phrases:

H290: May be corrosive to metals

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

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

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 or doctor/physician

2.3. Additional dangers:

Contains strong inorganic base. Reacts violently with acids.

3. Composition/Information on components

3.1. General characteristics of chemical substances and their percentage

Composition based on the below mentioned substances

3.2. Concentrations or concentration thresholds of substances - for detergents classified as dangerous according to CLP (EC) 1272/2008

Dangerous components

Name	CAS № / EC №	Concentration (%)	Classification
Sodium hydroxide	1310-73-2 / 215-185-5	< 15	C, R35
Nitriilotriacetate	5064-31-3/225-768-6	<15	Xn, R22 Xi, R36

Product is in conformity with European Directive 67/548/EEC.

Danger marks



C Corrosive

R 35 Causes severe burns.

S24/25- Avoid contact with skin and eyes

S26 – In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S36/37/39- Wear suitable protective clothing, gloves and eye/face protection

Full text of R- phrases indicated in point 16.

Dangerous components	Chem. Form. Concentr., %	CAS № CAS no.	EC № EINECS no	Warnings – danger. CLP	Precautionary statement -CLP	Danger signs R and S phrases-DSD
sodium hydroxide	NaOH, 15-30%	1310-73-2	215-185-5	<u>H314</u> <u>H290</u>	P260; P280; P310; P303+P361+P353; P305+P351+P338	C R: 35 S: (1/2-)26-37/39-45

Full text of R-phrases indicated in point 16.

4. First aid measures

4.1. Inhalation

Victim has to be moved to fresh air. Immediately seek medical attention. In case of lost consciousness transport and move to a stable position.

4.2. Skin contact

Wash with plenty of water and soap. Contaminated skin and clothes to be removed immediately. Immediately seek medical attention.

4.3. Eye contact

Immediately flush with plenty of water, with opened eyelids. Immediately seek medical attention.

4.4. Ingestion

Wash the mouth thoroughly with water, drink a lot of water. Do not induce vomiting. Immediately seek medical attention

4.5. Necessity of qualified medical attention (compulsory or advisable)

Compulsory qualified medical attention by skin or eye contact or ingestion.

4.6. Specialized first aid tools at the workplace

No specific antidote is known. Apply symptomatic therapy.

5. Fire fighting measures

5.1. Suitable fire fighting media

Not inflammable product.

5.2. Unsuitable Extinguishing Media for safety reasons

None known.

5.3. Specific hazards associated with exposure to the substance / preparation and subsequent combustion products and resulting gases

Combustion generates toxic gases - Cl.

5.4. Protective Equipment for Fire Fighting

Use protective work clothes and self-contained breathing apparatus

6. Accidental release measures

6.1. Personal precautions

Use personal protective tools. Gloves, masks, protective clothing

6.2. Environmental protection measures:

Do not allow reaching of product in the groundwater, soil and sewerage system. Residues of the detergent should not be emitted to the sewerage system; they have to be used as intended. Restrict the spill by building a dike.

In case of accident and / or spillage of detergent, measures to be taken to its localization and reduction and the collected amount from the detergent to be stored temporarily in tightly closed and labeled containers and then to be transferred to persons holding a permit under p. 37 of the on Waste Management Act (SG, No. 86 of 2003) . Notify the competent authorities, on whose territory the incident occurred.

6.3. Cleaning agents

For spills on land use inert absorbent materials- sand, soil. Do not use inflammable absorbent materials.

Collected quantities can be stored in tightly closed and labeled containers temporarily on the territory of the company, and then transmitted to persons holding a permit under Waste Management Act (WMA).

7. Handling and storage of detergent.

7.1. Safe handling

To be used only as directed. Do not eat, drink or smoke in the workplace. Avoid contact with skin and contact. Ensure adequate ventilation in workplace.

7.2. Storage

Store in closed original packing in a dry and well-ventilated place, locked up, at ambient temperatures. Protect from freezing. Protect from direct contact with sunlight. Keep away from combustible materials, acids and metals (magnesium, zinc, aluminum).

7.3. Specific usage

No specific usage

8. Exposure control and personal protection.

8.1. Exposure limits

General information: Ensure adequate ventilation in workplace or storage rooms. Remove immediately contaminated or soaked clothing. Do not inhale gases / fumes / aerosols. Avoid

contact with skin and eyes. Keep away from foodstuffs, beverages and feed. Do not eat, drink or smoke during work. Before holidays or at the end of the working day wash your hands.

8.2. Exposure control

8.2.1. Control of exposure in the workplace

Substances with determined threshold of air concentration according to Regulation №36

Substance	Threshold limit value (TLV) (mg/m ³)	Type
sodium hydroxide	2	8 hours of exposure

8.2.1.1. Protection of respiratory system– required in case of vapors / mists / aerosols.

8.2.1.2. Hand protection –nitrile rubber gloves, cat. III according to EN374

8.2.1.3. Eye protection – tightly sealed safety glasses(EN166).

8.2.1.4. Skin and body protection– protective workclothes, resistant to bases.

8.2.2. Monitor the impact of the substance / detergent on the environment

Avoid release to the environment.

9. Physical and chemical properties

9.1. General information

- Appearance- liquid.
- Physical state – liquid
- Color of the substance/detergent - yellow
- Odor- none

9.2. Important information related to health, safety and environment

pH-value (20 ° C): 12.5 to 13.5

melting point: approx. 0 ° C

boiling point: approx. 100 ° C

flash point:> 62 ° C

self-igniting: ---

explosiveness: Not explosive.

density (25 ° C): 1.25

solubility in / Miscibility in water: Fully miscible

9.3. Additional information

10. Stability and reactivity information

10.1. Conditions to avoid

Stable under recommended conditions of use, transport and storage.

10.2. Substances to be avoided

Flammables, strong acids and metals (magnesium, zinc, aluminum).

10.3. Hazardous decomposition products

Combustion causes harmful gases.

Hydrogen gas can be released during interaction with metals and in other cases toxic gases - sodium oxide.

11. Toxicology information

Toxicology features of the detergent – not tested. The detergent has been classified by the conventional method.

Causes severe burns.

Acute toxicity of the detergent:

Oral LD₅₀(rat)- N/A

Inhalation LC50 (rat) – N/A

Dermal LD50 (rat) - N/A

Eye irritation (rabbit) - N/A.

Skin irritation (rat) - N/A

Sensitization (guinea pig) - N/A

Chronical toxicity:

Mutagenicity, no data.

Teratogenicity, no data.

Carcinogenicity, no data.

Toxicological parameters for sodium hydroxide:

Oral LD50 (rabbit) -250 mg / kg;

Dermal LD50 (rat) -500-1500 mg / kg;

12. Environmental information

The detergents has been classified by the calculation method.

12.1. Ecotoxicology

N\A

12.2. Mobility.

N\A

12.3. Persistence and degradability

N\A

12.4. Potential for bioaccumulation

N\A

12.5. Other Adverse Effects

N\A

13. Disposal considerations

Wastes of the detergent like residues and packages have to be collected in labelled, tightly sealed containers, stored temporarily and then to be delivered to persons holding a permit under art. 37 of the Waste Management Act (published SG . 86 of 2003).

After use, the container to be washed thoroughly with water, and the washing water to be collected in special containers. After use, the packaging has to be collected in specialized, tightly sealed and labelled containers and stored temporarily on the territory of the company and then to be transferred to persons holding a permit under Art. 37 of the Waste Management Act.

Small quantities can be lead to sewerage system.

Contaminated containers need to be rinsed thoroughly with water, after that they have to be moved to a new depot or they have to be incinerated.

Waste code according to Ordinance № 3 of Waste classification / SG Nr. 44/2004g. :

20 01 29 * - detergents containing a hazardous substance

15 01 10 -packaging containing residues of hazardous substances or contaminated with hazardous substances.

14. Transportation information.

Hazardous goods according ADR.

ADR / RID - GGVS / E class: 8

Kemler Code: 42 b

UN - Number: 1824

Packing group: II/C5

Note: contains > 5% sodium hydroxide

Description of goods: solution of sodium hydroxide

15. Information in accordance with the current regulations.

The product is classified and labeled according to the requirements of Regulation 1272/2008, Directive 1999/45/EU, Regulation 648/2004 and 1907/2006.

Contains: sodium hydroxide

Symbol and danger mark.



C-corrosive

Risk phrases(R-phrases)

R35 Causes severe burns

Safety advice (S-phrases).

S1/2 Keep locked up and out of the reach of children.

S24/25- Avoid contact with skin and eyes

S28 After contact with skin, wash immediately with plenty of water

S26 – In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S36/37/39- Wear suitable protective clothing, gloves and eye/face protection

S45 In case of accident or if you feel unwell seek medical advice immediately (show the label where possible)

Only for industrial and institutional purposes.

16. Additional information

Data in this safety data sheet corresponds to the level of current knowledge on the date of preparation, but they are not a guarantee for any specific product features and do not establish a contractual relationship

MEANING of the R-phrases in p. 3

R22 Harmful if swallowed.

R35 Causes severe burns

R36 Irritating to eyes

MEANING of the phrases in p. 3.

H302	Harmful if swallowed
H312	Harmful in contact with skin
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
C	Corrosive
Xi	Irritating
R 34	Causes burns
R36/38	Irritating to eyes and skin

H314 Causes severe skin burns and eye damage

Additional phrases for danger:

H290: May be corrosive to metals

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

P280 Wear protective gloves/protective clothing/eye protection/face protection

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

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 or doctor/physician

P234 Keep only in original container