

Material safety data sheet

In compliance with Regulation 1907/2006

Supplier of the chemical \
detergent:
"Ocean Service" LTD
"Tsar Boris III" №178-Str.
Sofia
UIC: 131204804

Date of issue:15.04.2011г.

Issue: 1

Pages (number) - 8

Trade name

OCEAN ALKAL – alkaline laundry additive

Read carefully before handling, transport or disposal!

11. Identification of substance and company

1.1. Identification of substance / detergent

OCEAN ALKAL – alkaline laundry additive.

1.2. Usage of substance

alkaline laundry additive

1.3. Identification and address of the chemical/detergent supplier

"Ocean Service" LTD
"Tsar Boris III" №178-Str.
Sofia

1.4. Telephone number in case of emergency

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

Toxicology Pirogov - 02/9154233; 9154346

2. Hazards identification

2.1. Classification of hazards:

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

Danger: Corrosion. H314 - II Causes severe skin burns and eye damage. Acute toxic corrosion of the skin.

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. 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 an inorganic base. Reacts violently with acids.

Composition/Information on components

3.1. General characteristics of chemical substances and their percentage

Composition of the base of sodium hydroxide

3.2. Concentrations or concentration limits of substances - for detergents classified as dangerous.

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	H314 H290	P260; P280; P310; P303+P361+P353; P305+P351+P338	C R: 35 S: (1/2-)26-37/39-45

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

Signs for danger



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-and H-phrases indicated in point 16.

4. First aid measures

4.1. Inhalation

Victim has to be moved to fresh air. Keep in warm and calm place. Immediately seek medical attention.

4.2. Skin contact

Contaminated skin should be flushed with water and soap for 15min. Immediately seek medical attention.

4.3. Eye contact

Immediately flush with plenty of water for 15 minutes, with opened eyelids. Immediately seek medical attention.

4.4. Ingestion

Give some water if the victim is conscious. Never give anything by mouth to an unconscious person. Do not induce vomiting. Aspiration can cause severe chemical pneumonia. Immediately seek medical attention

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

Compulsory qualified medical attention by skin or eye contact, inhalation 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

Foam, dry chemical powder, CO₂ or water spray.

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 - CO, CO₂.

5.4. Protective Equipment for Fire Fighting

Use self-contained breathing apparatus

6. Accidental release measures

6.1. Personal precautions

Gloves, masks, protective clothing

6.2. Environmental protection measures:

Do not allow reaching of product in the groundwater, soil and drainage system

In case of accident and / or spillage of preparation, to be taken measures to its localization and reduction and the collected amount from the preparation 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 material, sand, sawdust. Collected quantities can be stored in tightly closed and labeled containers (not from metal) temporarily on the territory of the company, 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..

7.2. Storage

Store in closed original packing in a dry and well-ventilated place, locked up, at ambient temperatures from 5 to 25 ° C. Keep away from sources of ignition and heat. Keep separated from food and beverages. Reacts with ammonium salts with formation of flammable product ammonia. Keep away from combustible materials, strong oxidizing agents, strong acids and metals

7.3. Specific usage

No specific usage

8. Exposure control and personal protection.

8.1. Exposure limits

Background: Ensure adequate general and local ventilation in handling and storage places

8.2. Exposure control

8.2.1. Control of exposure in the workplace

Substances, which air concentration should be monitored according to Regulation №13:

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

8.2.1.1. Protection of respiratory system– not necessary by normal usage

8.2.1.2. Hand protection –rubber gloves

8.2.1.3. Eye protection - safety glasses

8.2.1.4. Skin and body protection– protective workclothes.

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- viscous liquid..

- Color - colorless

- Odor- none

9.2. Important information related to health, safety and environment

pH-value (20 ° C): October 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): October 1.25

solubility in / Miscibility in water: Fully miscible

9.3. Additional information

10. Stability and reactivity information

10.1. Conditions to avoid

Temperatures below 0 ° C can cause freezing and stratification of the product.

10.2. Substances to be avoided

Flammables, strong oxidizing agents, strong acids and metals.

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.

Acute toxicity of the detergent:

Oral LD₅₀(rabbit)- 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 labeled, tightly closed containers, stored temporarily and then to be transmitted 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 packagings have to be collected in specialized, tightly closed and labeled containers and stored temporarily at the territory of the company and then transferred to persons holding permits under Art. 37 of the Waste Management Act.

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

07 06 Wastes from the manufacture -formulation, supply and use of fats, grease, soaps, detergents, disinfectants and cosmetics.

07 06 01* - wash waters and mother liquors

15 01 Packaging

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

14. Transportation information.

Dangerous goods according ADR.

ADR / RID - GGVS / E class: 8

Кемлерово число: Cemler number: 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 1907/2006.

Contains: sodium hydroxide

Symbol and danger sign.



C-corrosive

Risk phrases(R-phrases

R35 Causes severe burns

Safety advice concerning dangerous substances and preparations (S-phrases):).

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

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

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 does 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