

Material safety data sheet

In compliance with Regulation 1907/2006

OCEAN ULTRA

Supplier :

Date of issue:15.04.2010г.

“Ocean Service” LTD

“Tsar Boris III” №178-Str.

Issue: 1

Sofia

UIC: 131204804

Pages (number) - 8

Trade name

OCEAN GRILL - Contactless degreaser for ovens

1. Identification of substance and company

1.1. Identification of substance / detergent

OCEAN GRILL - Contactless degreaser for ovens

1.2. Usage of substance

Degreaser

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 (EC) No. 1272/2008 [EU-GHS/CLP]

Danger– Corrosion

H314–Causes severe skin burns and eye damage.

Acute 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, 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.

3. Composition/Information on components

3.1. General characteristics of chemical substances and their percentage

Composition of alkaline base and nonionogenic surfactants

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

Dangerous components

Name	CAS № / EC №	Concentration (%)	Classification
Sodium hydroxide	1310-73-2 / 215-185-5	< 15	C, R35
Hexyl D - glucoside	54549-24-5 / 259-217-6	< 15	Xi, R41

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.

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. Keep in warm and calm place in side-lying position. 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

5.2. Unsuitable Extinguishing Media for safety reasons

Water spray under pressure, water mist

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. Residues of the detergent should be used as intended. Do not dispose in the sewage system. Restrict the spill by building dikes.

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, soil. Do not use flammable adsorbent materials. 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 temperature. Keep away from sources of ignition and heat. Take precautionary measures against static electricity. Keep separated from food and beverages. In contact with water or moisture the detergent can generate enough heat to ignite located in the vicinity combustible materials. Reacts violently with acids and at high humidity is corrosive to certain metals (zinc, aluminum, tin and lead) and plastic creating explosive / flammable mixtures. Reacts with ammonium salts to form a combustible product ammonia. Keep away from combustible materials, 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 with determined threshold of air concentration according to Regulation №13

Substance	Threshold limit value (TLV) (mg/m ³)	Type
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sodium hydroxide	2	8 hours of exposure
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8.2.1.1. Protection of respiratory system–respirator with filter.

8.2.1.2. Hand protection –nitrile gloves

8.2.1.3. Eye protection – tight sealed goggles

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 - brown

- Odor- typical for surfactants

9.2. Important information related to health, safety and environment

pH-value – 1% solution at 20 ° C: 12 - 13

melting point: approx. 0 ° C

boiling point: approx. 100 ° C

self-igniting: none

explosiveness: not explosive.

density (20 ° C): 1.15

9.3. Additional information

N/A

10. Stability and reactivity information

10.1. Reactivity.

Contains strong base – and reacts with acids

10.2. Chemical stability

Stable under normal circumstances

10.3. Conditions to avoid

High and low temperatures

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

10.4. Substances to be avoided

acids, nitriles, alkaline earth metal in powder state, ammonium compounds, cyanide, magnesium, organic nitro compounds, organic explosives, phenolics and oxidants.

10. 3. Hazardous decomposition products

Combustion causes harmful gases - CO, CO₂ .

11. Toxicology information

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

11.1. Acute toxicity of the detergent:

Oral LD₅₀(ratt)- N/A

Inhalation LC50 (rat) – N/A

Dermal LD50 (rat) – acute dermal toxicity

Eye irritation (rabbit) – burns (RTECS).

Skin irritation (rat) - Ulcerating wounds and burns. (RTECS).

Sensitization (guinea pig) - N/A

11.2. Chronical toxicity:

Mutagenicity, no data.

Teratogenicity, no data.

Carcinogenicity, no data.

11.3 Toxicological parameters for components:

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

Surfactants included in the composition of this detergent meet the requirements for biodegradability defined in Regulation 648/2004 on detergents. Data proving this statement are available for the competent authorities of the member countries and will be made available upon direct request by them or by producers of detergents.

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 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 01*– washing water and mother liquer

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

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 labelled according to the requirements of Regulation 1272/2008, Directive 1999/45/EU, Regulation 1907/2006.

Contains: sodium hydroxide

The full text of all abbreviations indicated by codes in this safety data sheet is as follows:

H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H319	Causes serious eye irritation
C	Corrosive
Xi	Irritating
R 35	Causes severe burns
R41	Risk of serious damage to eyes

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)

Symbol and danger sign.



C-corrosive

Only for industrial and institutional purposes.

16. Additional information

MEANING of the phrases in p. 3.

H302	Harmful if swallowed
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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

Data in this safety data sheet corresponds to the level of current knowledge. They should not be considered as a guarantee of the product or as a legally valid contractual relationship