

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

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Trade name

Ocean Chorin

1. Identification of substance and company

1.1. Identification of substance / detergent

Ocean Chorin.

1.2. Usage of substance / detergent

Bleaching detergent (bleach).

1.3. Identification and address of supplier of the chemical/detergent

“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 / skin irritation, hazard category 1B

Hazardous to the aquatic environment - acute hazard, cat.

H314–Causes severe skin burns and eye damage.

H400– Very toxic to aquatic life

Additional danger phrases:

H290 May be corrosive to metals

H335- May cause respiratory irritation

Additional information:

EUH031 Contact with acids liberates toxic gas.

C R:31 R:34 N R:50

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

"Corrosive"

(C) R:31 Contact with acids liberates toxic gas.

R:34-May cause burns

„Dangerous for the environment” (N)

R:50 Very toxic to aquatic life

S:(1/2) S:28 S:45 S:50 S:61 S:36/37/39

2.2.3. Main symptoms of intoxication:

Causes skin burns, eye and throat damage

Inhalation of fumes: inflammation of the respiratory tract

Skin contact: burns.

Eye contact: burns, danger of blinding

Ingestion: irritation of mucosa, larynx, esophagus and gastrointestinal

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:

H400 Very toxic to aquatic life

Additional labeling requirements:

EUH031 „Contact with acids liberates toxic gas.”

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

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

2.3. Additional dangers:

* Corrosive detergent

* Contact with acid releases active chlorine - toxic gas.

* Exposed to temperatures higher than 35 ° C - also liberates toxic gas

3. Composition/Information on components

3.1. General characteristics of chemical substances and their percentage

Detergent based on sodium hypochlorite.

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

Dangerous components

Name	CAS № / EC №	Concentration (%)	Classification
sodium hypochlorite (active chlorine %)	7681-52-9 / 231-668-3	< 30% (< 3% active chlorine)	C, R34 R31 N, R50

Full text on R-phrases available under Nr.16

4. First aid

4.1. Inhalation

Victim has to be moved to fresh air. If the symptoms persist, qualified medical help is necessary.

4.2. Skin contact

If clothing comes in contact with the product, remove it immediately and wash before re-use. Contaminated skin should be flushed with water and soap. If irritation symptoms persist seek medical attention.

4.3. Eye contact

Immediately flush with plenty of water for 12-20 minutes, occasionally lifting the lower and upper eyelids. Immediately seek medical attention.

4.4. Ingestion

Immediately wash the mouth and drink large quantities of water. Do not give anything by mouth if the person is unconscious. Do not induce vomiting, unless ordered by a physician. Immediately seek medical attention.

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

Compulsory qualified medical attention by ingestion or eye contact. Advisable qualified medical attention by skin and eye contact and inhalation with persisting symptomatic.

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

Every fire fighting tool is acceptable

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

Burning causes liberation of toxic gases - CO, CO₂, chlorine.

5.4. Specialized protective equipment for firefighters

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 environment.

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 ,). Measures should be taken to avoid contamination of surface and groundwater, soil and drainage system.

6.3. Cleaning agents

For small spills on land use inert absorbent material, sand, sawdust. For large spills spillage should be pumped in particular identifiable containers, after that rest quantities can be adsorbed by the above-mentioned adsorbing materials.

Collected quantities can be stored in tightly closed and labeled containers 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. Ensure adequate general and local ventilation. Avoid contact with skin and eyes. Do not breathe vapors.

7.2. Storage

Store in closed original packing in a cool and well-ventilated place, protected from heat and sunlight, at temperatures from 5 to 30 ° C and protected from frost. Keep away from foodstuffs, beverages and feed.

7.3. Specific usage

No specific usage

8. Exposure control and personal protection.

8.1. Exposure limits

Background: Observe strict hygiene in the workplace. Do not eat, drink or smoke in the workplace. Ensure adequate general and local ventilation. Avoid contact with skin and eyes.

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
Chlorine	3	8 hours of exposure

8.2.1.1. Protection of respiratory system– not necessary. Ensure adequate general and local ventilation

8.2.1.2. Hand protection – protective nitrile gloves

8.2.1.3. Eye protection - Tightly sealed 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-liquid.
- Color - yellow
- Odor- acute, of chlorine.

9.2. Important information related to health, safety and environment

- Solubility in water - miscible.

9.3. Additional information

10. Stability and reactivity information

10.1.Reactivity

Reacts with bases, some acids and reducing substances (should be avoided). Do not use metals by work

10.2.Chemical stability

Stable under recommended storage and handling conditions. Stability of solutions of sodium hypochlorite is affected by heat, light, pH and the presence of heavy metal cations.

10.3 Possibility for hazardous reactions

The technical product is corrosive and may cause skin burning or eye damage, especially if concentrated. Dangerous when released in the environment both for humans and animals.

10.4. Conditions to avoid

Warmth, direct sunlight, contact with moisture, air

10.5 Incompatible Materials.

Metals, reducing agents, strong acids, amines, halogens. Avoid contact with ammonia and its derivatives (liberates chloramines- also toxic gas) as well as the contact with peroxides

10.6. Dangerous decomposition products

Chlorine-gas at temperatures higher than 35 ° C, i.e. it accomplishes degradation to unstable products with change in the aggregate condition. Decomposes when used according to instruction - therefore avoid additional heat.

11. Toxicology information

Toxicology features of the detergent – no data. The detergent has been classified by the calculation method.

11.1. Acute toxicity of the detergent:

Oral LD₅₀(rabbit)- LD 50 : 8200mg/kg.

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

11.2. Chronical toxicity:

Mutagenicity, no data.

Teratogenicity, no data.

Carcinogenicity, no data.

The product contains no substances classified as carcinogenic, mutagenic or toxic for reproduction.

No evidence of neurotoxicity.

12. Environmental information

The detergent has been classified by the calculation method.

12.1. Ecotoxicology

Affects aquatic life.

Poisons fish and plankton at higher concentrations.

12.2. Mobility.

Greater mobility. Do not allow the product to reach water, wastewater and soil.

12.3. Persistence and degradability

Designation methods for biodegradability of organic are not applicable for inorganic substances.

12.4. Potential for bioaccumulation

No data for the preparation.

12.5. Other Adverse Effects

No data.

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 99- wastes not specified otherwise.

15 01 - Packaging

15 01 02 - Plastic packaging.

14. Transportation information.

Transportation: in closed vehicles, isolated from foodstuffs and subject to the requirements of various haulage.

	№ according to the list of the UN	Shipping name according to the list of UN	Hazard classification	Packaging group	Label	Environmental hazards
ADR	UN 1791	sodium hypochlorite	8	III		Affects aquatic life at higher concentrations.

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.

A chemical safety assessment of this substance is implemented / made as part of the registration of the substance for the manufacturer / supplier in accordance with the regulation REACH.

Symbol and danger sign.



C-corrosive



N-dangerous for the environment

Risk phrases(R-phrases):

R:31- Contact with acids liberates toxic gas

R:34- Causes burns

R:50- Very toxic to aquatic organisms

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

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

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

S46 If swallowed, seek medical advice immediately and show this container or label

S50 Do not mix with acids

Attention! Do not use with other products. Liberates dangerous gases (chlorine)!

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. As the use of information and conditions of use are beyond our control, the user of the commercial product is responsible for its safe use.

Meaning of the R-phrases from Art. 2.

R31 Contact with acids liberates toxic gas

R34 Causes burns

R50 Very toxic to aquatic organisms.