

According to Regulations 1907/2006/EC and 1272/2008 (CLP) and Regulation (EU) 2020/878 of 18 June 2020.

Date of issue:

03. 02.2021

Edition: 03

Replaces revision 02

Revised on: 11/24/2023

Page 1 to 13

OTRISAN OPL

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

1.1 Product identifiers

Otrisan OPL

Product code: please contact sales department

UFI: 1F00-90QW-100A-4901

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

Biocide: Main group 1 - Disinfectants. Product-type 2 - Disinfectants and algaecides not intended for direct use on humans or animals. Product type 3 - Veterinary hygiene. Product-type 4 - Area of use related to food and feed.

Authorization to place a biocidal product on the market № 3055-1 / 28.01.2021

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 ninadiamandieva75@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



According to Regulations 1907/2006/EC and 1272/2008 (CLP) and Regulation (EU) 2020/878 of 18 June 2020.

Date of issue:

03.02.2021

Edition: 03

Replaces revision 02

Revised on: 11/24/2023

Page 2 to 13

OTRISAN OPL

The product is classified as dangerous according to the provisions of EU Regulation 1272/2008 (CLP) (and subsequent amendments). The product requires a safety data sheet in accordance with the provisions of EU Regulation 1907/2006 (REACH).

2.1.1. Hazard classes and categories:

Skin corrosion / irritation, hazard category 1B, H314

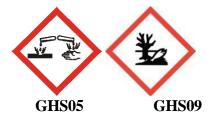
Serious eye damage, category 1, H318

Acute aquatic toxicity, category 1, H400

Chronic aquatic toxicity, category 2, H411

2.2 Label elements

Pictograms



Signal word

Danger

Danger warnings:

H314 Causes severe skin burns and eye damage.

H411 Toxic to aquatic life with long lasting effects.

EUH031 Contact with acids liberates toxic gas.

EUH206 Attention! Do not use with other products. May emit hazardous gases (chlorine).

Safety recommendations:

P260 Do not breathe vapor / spray.

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

P273 Avoid release to the environment.

P301 + P330 + P331 + P310 IF SWALLOWED: rinse mouth. DO NOT induce vomiting. Call a POISON CENTER or doctor / physician immediately.

P~303 + P361 + P353 + P310 IF ON SKIN (or hair), remove all contaminated clothing immediately. Rinse skin with water / shower. Call a POISON CENTER or doctor / physician immediately.

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

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Keep rinsing. Call a POISON CENTER or doctor / physician immediately.

P501 Dispose of in accordance with legal regulations.

2.3 Other hazards

A substance/mixture containing no components considered to be either persistent,



According to Regulations 1907/2006/EC and 1272/2008 (CLP) and Regulation (EU) 2020/878 of 18 June 2020.

Date of issue:

03. 02.2021 Edition: 03

Replaces revision 02

Revised on: 11/24/2023

Page 3 to 13

OTRISAN OPL

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 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

3.1 Substances: Not applicable

3.2 Mixtures:

Does not contain substances in nanoforms

Identification	Concentration	Classification according to
name	%	Regulation (EC) 1272/2008 (CLP)
CAS №/ EC		
Sodium hypochlorite solution%	6.0	Met.Corr.1, H290
active chlorine		Skin Corr, cat. 1B, H314
CAS 7681-52-9		Eye Dam. 1, H318
EC 231-668-3		Aquatic Acute 1, H400
		Aquatic Chronic 1, H410
		EUH031
Alkyl (C12-16)	4.0	Acute Tox. 4, H302
dimethylbenzylammonium		Skin Corr, cat. 1B, H314
chloride		Eye Dam. 1, H318
(ADBAC/BKC (C 12-C 16))		Aquatic Acute 1, H400
CAS 68424-85-1		Aquatic Chronic 1, H410
EC 270-325-2		
Dodecyldimethylamine oxide/	1.0 - 5.0	Acute Tox.4, H302
Lauramine Oxide		Skin Irrit.2, H315
CAS 1643-20-5		Eye Dam.1, H318
EC 216-700-6		Aquatic Acute 1 H400
		Aquatic Chronic 2, H411



According to Regulations 1907/2006/EC and 1272/2008 (CLP) and Regulation (EU) 2020/878 of 18 June 2020.

Date of issue:

03. 02.2021

Edition: 03

Replaces revision 02

Revised on: 11/24/2023

Page 4 to 13

OTRISAN OPL

Sodium hydroxide

0.1 - < 1.0

Skin Corr, cat. 1A, H314

CAS 1310-73-2 EC 215-185-5

The full text of the H-phrases is given in Section 16 of this factsheet.

Section 4: FIRST AID MEASURES

4.1 Description of first aid measures



IF INHALED: Remove victim immediately from exposure to well-ventilated area. Call a POISON CENTER or doctor / physician immediately.

IF IN DIRECT EYE CONTACT: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Keep rinsing. Call a POISON CENTER or doctor / physician immediately.

IF ON DIRECT SKIN CONTACT (or hair): Take off immediately all contaminated clothing. Rinse skin with water / shower. Call a POISON CENTER or doctor / physician immediately.

IF SWALLOWED: rinse mouth. DO NOT induce vomiting. Call a POISON CENTER or doctor / physician immediately.

There is no specific antidote. Symptomatic treatment for intoxication is used.

4.2 Most important symptoms and effects, both acute and delayed

For symptoms and effects caused by the substances in the product, see section 11.

4.3 Instructions for the need for any emergency medical care and special treatment No information available.

SECTION 5: FIREFIGHTING MEASURES



5.1 Fire extinguishers

SUITABLE FIRE EXTINGUISHING EQUIPMENT

Use water spray in large quantities and means, depending on the materials involved in the fire.

UNSUITABLE FIRE EXTINGUISHING EQUIPMENT

There is no information about such.

5.2. Specific effects arising from the substance or mixture



According to Regulations 1907/2006/EC and 1272/2008 (CLP) and Regulation (EU) 2020/878 of 18 June 2020.

Date of issue:

03.02.2021

Edition: 03

Replaces revision 02

Revised on: 11/24/2023

Page 5 to 13

OTRISAN OPL

HAZARDS FROM EXPOSURE IN CASE OF FIRE

Do not inhale combustion products.

Pyrolysis products: toxic gas - chlorine.

5.3 Advice for firefighters

BASIC INFORMATION

Use a water spray to cool the containers to prevent the product from disintegrating and forming potentially hazardous substances. Always wear full firefighting equipment.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS

Conventional protective clothing for firefighting e.g. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open-flow breathing apparatus and positive pressure (BS EN 137).

5.4 Additional information

No information

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal protective equipment, protective equipment and emergency procedures

Eliminate sources of ignition (cigarettes, flames, sparks, etc.) from the leak zone. Send away people who are not properly equipped. Wear protective gloves / protective clothing / eye protection / face protection. Particular risk of slipping on leaked / spilled product.

6.2 Environmental precautions

Do not disperse into the environment.

6.3 Methods and material for containment and cleaning up

Use inert absorbent materials to absorb the spilled product: Sand, Diatomaceous earth, sawdust, universal binder.

Contaminated materials must be disposed of in accordance with the provisions set out in point 13.

6.4 Reference to other sections

Information on personal protective equipment and waste disposal methods are given in sections 8 and 13.

Section 7: HANDLING AND STORAGE

7.1 Precautions for safe operation

Do not eat, drink or smoke during use. Avoid contact with skin and eyes. Use personal protective equipment. Work in well-ventilated areas or use a respirator with a filter. Take off contaminated, soaked clothing. Contaminated clothing should be washed before next use (see also item 8 of the SDS).

Use only for authorized use. Keep away from food, drink and animal feedingstuffs. Avoid excessive use.

7.2 Conditions for safe storage, including any incompatibilities



According to Regulations 1907/2006/EC and 1272/2008 (CLP) and Regulation (EU) 2020/878 of 18 June 2020.

Date of issue:

03.02.2021

Edition: 03

Replaces revision 02

Revised on: 11/24/2023

Page 6 to 13

OTRISAN OPL

Store in a place with adequate ventilation, away from direct sunlight, at a temperature below $40\,^{\circ}$ C, away from sources of ignition. Store only in the original package. Store in places where only authorized persons have access.

7.3 Specific use

Biocide - disinfectant

Section 8: EXPOSURE CONTROL/PERSONAL PROTECTIVE EQUIPMENT

8.1 Control parameters

Ordinance № 13 of 30 December 2003 on the protection of workers from risks related to exposure to chemical agents at work - (promulgated SG No. 8 of 30 January 2004). Limit values of chemical agents in the air of the working environment, according to Regulation 13:

Chlorine (CAS №7782-50-5) - 1.5 mg / m3 / 15 min; Sodium base (CAS№ 1310-73-2) - 2 mg / m3 / 8 h.

8.2 Exposure controls

Appropriate engineering control

The use of appropriate technical means must always take precedence over personal protective equipment, make sure that the workplace is well ventilated by means of effective aspirators. Provide eyewash facilities and an emergency shower when handling this product.

Personal safety equipment

Eye / face protection



Tightly fitting safety goggles Use eye protection equipment that has been tested and approved.

Skin protection



Wear long-sleeved workwear and a waterproof apron. Wash the body with soap and water after removing work clothes. Wash work clothes before next use.

Respiratory protection.



Observe the limit values for air in the working environment. Wear suitable respirators if necessary **Environmental exposure control**

Emissions generated by production processes, including those generated by ventilation equipment, must be verified to ensure compliance with environmental standards.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES



According to Regulations 1907/2006/EC and 1272/2008 (CLP) and Regulation (EU) 2020/878 of 18 June 2020.

Date of issue:

03.02.2021

Edition: 03

Replaces revision 02

Revised on: 11/24/2023

Page 7 to 13

OTRISAN OPL

9.1 Information on basic physical and chemical properties

Physical form: liquid Color: pale yellow Odor: chlorine

Odor threshold not available

pH: 12.5 - 13.5

Melting or freezing point: not available

Boiling point > 100 °C Boiling interval not available

Flash point: Not available

Evaporation rate: Not available

Flammability (solid, gas): not applicable

Upper ignition limit: not available No lower ignition limit available Upper explosion limit: not available Lower explosion limit: not available Vapor pressure: not available

Density of money: not available
Density: 1.05 - 1.1 g / cm3, 25°C
Solubility: completely soluble in water
N-octanol / water partition coefficient:

not available

Auto-ignition temperature: Not available Decomposition temperature: not available

Viscosity: not available Oxidizing properties: none Exposure properties: none

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

There is no definite risk of reaction with other substances under normal conditions of use.

10.2 Chemical stability

The product is stable under normal conditions of use and storage.

10.3 Possibility of hazardous reactions

Strong exothermic reaction with acids. Exposure to acids produces chlorine.

10.4 Conditions to avoid

Avoid overheating, direct exposure to light, heat sources and open flame.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products



According to Regulations 1907/2006/EC and 1272/2008 (CLP) and Regulation (EU) 2020/878 of 18 June 2020.

Date of issue:

03.02.2021

Edition: 03

Replaces revision 02

Revised on: 11/24/2023

Page 8 to 13

OTRISAN OPL

No information

SECTION 10: STABILITY AND REACTIVITY

11.1 Information on toxic effects

11.1 Information on toxicological effects:

In the absence of experimental data on the product itself, the health hazards have been assessed on the basis of the properties of the substances it contains, using the classification criteria set out in the applicable legislation. Therefore, the concentration of the individual hazardous substances is taken into account to assess the toxicological effects of the product exposure.

Acute oral, dermal and inhalation toxicity

The mixture is not classified in the class Acute toxicity (oral).

Oral LD 50 (calculated) = 8333.3 mg/kg.

It does not contain ingredients with acute dermal and inhalation toxicity and is not classified.

Serious eye damage / eye irritation:

The mixture is classified: Serious eye damage, category 1, H318.

Skin corrosion / irritation:

The mixture is classified: Corrosion / irritation of the skin, category 1B, with H314.

Respiratory / skin sensitization: not a skin sensitizer;

STOT SE, STOT RE: not classified in these hazard classes;

Germ cell mutagenicity: not classified;

Carcinogenicity: no evidence of carcinogenicity, not classified;

Reproductive toxicity: Not classified.

Acute effects of overexposure and accidental ingestion:

Ingestion may cause stomach pain, burning, nausea and vomiting.

SECTION 11: TOXICOLOGICAL INFORMATION

12.1 Toxicity

The biocide has not been tested for environmental effects. The classification criteria of Regulation (EC) (1272/2008 shall be used. Based on the content of Alkyl (C 12-16)

dimethylbenzylammonium chloride, sodium hypochlorite and Dodecyldimethylamine oxide.

12.1. Toxicity:

Alkyl (C12-16) dimethylbenzylammonium chloride

Toxicity to fish:

LC50 / 96h / fish = 0.28 mg / 1;

NOEC / 96h = 0.032 mg / 1;

Toxicity to Daphnia and other invertebrates:

EC50/48h = 0.016 mg/1



According to Regulations 1907/2006/EC and 1272/2008 (CLP) and Regulation (EU) 2020/878 of 18 June 2020.

Date of issue:

03.02.2021

Edition: 03

Replaces revision 02

Revised on: 11/24/2023

Page 9 to 13

OTRISAN OPL

EC50 / 48h = 5.9 ppb

NOEC Reproduction test /21d = 0.025 mg/1;

Toxicity to algae:

EC 50 / 96h = 0.03 mg / 1 (OECD 201)

Sodium hypochlorite

Toxicity to fish:

LC50 / 96h / fish (fresh water) = 0.06 mg / l;

LC50 / 96h / fish (salt water) = 0.032 mg / l;

Toxicity to Daphnia and other invertebrates:

LC50/48 h/daphnia magna (fresh water) = 0.141 mg/l;

LC50 / 48h / invertebrate (salt water) = 0.026 mg / l; species: virginica crassostrea

Toxicity to algae:

NOEC (7 days) / algae (fresh water) = 0.0021 mg / 1; species: periphyton

Chronic toxicity

EC50 / LC50 / algae / fresh water = 0.1 mg / l;

EC10 / LC10 or NOEC / algae / marine water = 0.02 mg / 1.

PNECs

PNEC fresh water / $10 = 0.21 \,\mu\text{g}$ / L (aquatic toxicity - short term);

PNEC marine water $/50 = 0.042 \,\mu\text{g} / \text{L}$ (aquatic toxicity - long term).

Long-term toxicity to birds / plants

EC10/LC10/long term = 200 mg/kg food.

12.2 Persistence and degradability

Biodegradable.

12.3 Bioaccumulative potential

Alkyl (C12-16) dimethylbenzylammonium chloride LogKow (Shake Flask Method) - 2.88.

Sodium hypochlorite:

 $\log Kow = -3.42$

12.4 Portability in soil



According to Regulations 1907/2006/EC and 1272/2008 (CLP) and Regulation (EU) 2020/878 of 18 June 2020.

Date of issue:

03.02.2021

Edition: 03

Replaces revision 02

Revised on: 11/24/2023

Page 10 to 13

OTRISAN OPL

No biocidal data are available.

Sodium hypochlorite as an inorganic substance with infinite water solubility and low partition coefficient is considered to be very mobile in soil and sediment.

12.5. Results of PBT and vPvB assessment:

Based on the available data, the biocidal product does not contain substances with PBT or vPvB properties.

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



13.1 Методи за третиране на отпадъците:

Use the entire contents of the package as intended.

Any residue of the product must be disposed of in accordance with the applicable regulations.

Waste transportation may be subject to restrictions under the ADR.

Contaminated packaging must be recovered or disposed of in accordance with national waste management regulations.

Waste classification:

(Ordinance N_2 of 23.07.2014 on waste classification) (promulgated, SG No. 66 of 8.08.2014) 07 04 wastes from the MFSU of organic plant protection products (excluding 02 01 08 and 02 01 09), wood preservatives (except 03 02) and other biocidal products

Other organic solvents, washing liquids and mother liquors

15 01 Packaging

15 01 10* packages containing residues of dangerous substances or contaminated with dangerous substances

The waste from the biocide as residual quantities and packages shall be collected temporarily in special tightly closing and marked containers, after which it shall be handed over to persons, holding a permit by the order of art. 67 of the Waste Management Act (promulgated, SG No. 53 of 13.07.2012)



According to Regulations 1907/2006/EC and 1272/2008 (CLP) and Regulation (EU) 2020/878 of 18 June 2020.

Date of issue:

03, 02, 2021

Edition: 03

Replaces revision 02

Revised on: 11/24/2023

Page 11 to 13

OTRISAN OPL

SECTION 13: DISPOSAL CONSIDERATIONS

14.1 UN list number - 1760

14.2 Exact name of the consignment according to the UN list

ADR / RID IMDG IATA - CORROSIVE LIQUID, N.O.S

14.3 Transport hazard class (es) ADR / RID: 8 IMDG: 8 IATA: 8

14.4 Packing group

ADR / RID: II IMDG: II IATA: II

14.5 Environmental hazards

Dangerous for aquatic environment

14.6 Special precautions for user

No information

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and IBC Code.

The information doesn't matter.

Additional information - Land transport (ADR / RID)

Hazard label 8

Classification code C9

Limited quantity (LQ) 5 L

Danger number (according to 80

Kemler classification)

pass restriction code

through tunnel E

transport category 3

Additional information - Air transport (ICAO-TI / IATA-DGR)

Limited quantity (LQ) 1

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations / legislation specific for the substance or mixture

There is no.

15.2. Chemical safety assessment

No chemical safety assessment has been performed for this product and the substances contained in it

15.3. Information on legislation taken into account when preparing the safety data sheet: European legislation:

Regulation (EC) № 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).



According to Regulations 1907/2006/EC and 1272/2008 (CLP) and Regulation (EU) 2020/878 of 18 June 2020.

Date of issue:

03.02.2021

Edition: 03

Replaces revision 02

Revised on: 11/24/2023

Page 12 to 13

OTRISAN OPL

Regulation (EC) № 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548 / EEC and 1999/45 / EC and on amending Regulation (EC) (1907/2006.

European Directive 76/769 / EEC on restrictions on the placing on the market and use of certain dangerous substances and preparations.

Council Directive 98/24 / EC on the protection of the health and safety of workers and the risks related to chemical agents at work.

Council Directive 89/656 / EEC on the minimum requirements for the health and safety of workers when wearing personal protective equipment at work.

Directive 2008/98 / EC of the European Parliament and of the Council of 19 November 2008 on waste.

Directive 2000/60 / EC establishing a framework for Community action in the field of water policy.

European Directive 91/689 / EEC on hazardous waste.

European Directive 94/62 / EC on packaging and waste.

European Directive 1999/31 / EC on the landfill of waste.

National legislation:

Law on Protection from the Harmful Impact of Chemical Substances and Mixtures (promulgated, SG No. 10/2000);

Environmental Protection Act (promulgated, SG No. 91 of 25 September 2002);

Health and Safety at Work Act - (promulgated SG No. 124 of 23 December 1997);

Waste Management Act (promulgated, SG No. 53 of 13.07.2012);

Ordinance № 2 of 23.07.2014 on waste classification (promulgated, SG No. 66 of 8.08.2014);

Ordinance № 13 of 30 December 2003 on the protection of workers from risks related to exposure to chemical agents at work (promulgated SG No. 8 of 30 January 2004).

SECTION 16: OTHER INFORMATION

Full text of hazard classes and categories and H phrases

Text of the hazard statements (H) mentioned in section 2-3 of this SDS

Met.Corr.1 Corrosive to metals, category 1

Acute Tox.4 Acute toxicity, category 4

Eye Dam.1 Serious eye damage / eye irritation, category 1

Skin Corr. 1A Skin corrosion / irritation, category 1A

Skin Corr. 1B Skin corrosion / irritation, category 1B

Aquatic Acute 1 Acute aquatic hazard, category 1

Aquatic Chronic 1 Chronic aquatic hazard, category 1

Aquatic Chronic 2 Chronic aquatic hazard, category 2

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.



According to Regulations 1907/2006/EC and 1272/2008 (CLP) and Regulation (EU) 2020/878 of 18 June 2020.

Date of issue:

03.02.2021

Edition: 03

Replaces revision 02

Revised on: 11/24/2023

Page 13 to 13

OTRISAN OPL

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

EUH031: Contact with acids liberates toxic gas.

EUH206 Attention! Do not use with other products. May emit hazardous gases (chlorine).

Notes for users:

The use of this product is not subject to our direct control, therefore, consumers are responsible for the compliance of the use with the applicable laws and regulations for health and safety. The manufacturer is released from any liability for improper use. Make sure staff are properly trained on how to use chemicals.