

BARNACLE OFF

Safety Data Sheet

SECTION 1: Identification

1.1. Identification

Product name : BARNACLE OFF

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

Use of the substance/mixture : ECO MARINE Boat Descaling

1.3. Details of the supplier of the safety data sheet

Risamar Business Group LLC

4101 NW 124th Ave Coral

Springs, FL 33065

1.4. Emergency telephone number

Emergency number : 954-734-2690

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Skin Irrit. 2 H315

Eye Dam. 1 H318

Full text of hazard classes and H-statements : see section 16

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US) :



GHS07



GHS05

Signal word (GHS-US) : Danger

Hazard statements (GHS-US) : H315 - Causes skin irritation.
H318 - Causes serious eye damage.
H317 - May cause an allergic skin reaction.
H314 Causes severe skin burns and eye damage.

Precautionary statements (GHS-US) : P260 Do not breathe fumes, mist, vapors, or spray.
P264+P265 Wash thoroughly after handling, do not touch eyes.
P280 - Wear protective gloves/protective clothing/eye protection/face protection P302+P352
- If on skin: Wash with plenty of water
P305+P351+P337+P338+P316 - If in eyes: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get emergency medical help immediately.
P332+P313 - If skin irritation occurs: Get medical advice/attention P362+P364
- Take off contaminated clothing and wash it before reuse
P301+P310+P330+P331+P317: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center/doctor

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS-US classification
Water	(CAS No) 7732-18-5	Trade Secret	Not classified
Phosphoric Acid	(CAS No) 7664-38-2	<75%	Skin Irrit. 2, H315; Eye Dam. 1, H318
Poly Di-methyl Siloxane	(CAS No) 9016-00-6	Trade Secret	Not a hazardous substance or mixture.

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Name	Product identifier	%	GHS-US classification
2,2',2''-Nitrilotriethanol	(CAS No) 102-71-6	Trade Secret	Not a hazardous substance or mixture.

Full text of hazard classes and H-statements : see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : May be irritating to skin. Seek medical advice if irritation develops or persists.
- First-aid measures after eye contact : Irritating to eyes. Flush with plenty of water for at least 15 minutes. Seek immediate medical attention if irritation develops or persists.
- First-aid measures after ingestion : Do not induce vomiting; give a glass of water if conscious and get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after inhalation : Airways irritation.
- Symptoms/injuries after skin contact : Causes skin irritation.
- Symptoms/injuries after eye contact : Causes serious eye damage.
- Symptoms/injuries after ingestion : Nausea, vomiting, irritation to the digestive track, upset stomach.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.
This material does not burn
- Unsuitable extinguishing media : None.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : None known.
- Explosion hazard : None known.
- Reactivity : Reacts with alkalines.

5.3. Advice for firefighters

- Protection during firefighting : Firefighters should wear full protective gear for surrounding fires.
Evolves hydrogen on contact with most metals.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment, and emergency procedures

6.1.1. For non-emergency personnel

Wear protective gloves and eye protection.

6.1.2. For emergency responders

Special protective clothing and positive pressure self-contained breathing apparatus may be useful. Butyl rubber, natural rubber, Neoprene, nitrile rubber, polyethylene, are recommended for large spills.

6.2. Environmental precautions

None.

6.3. Methods and material for containment and cleaning up

- For containment : If possible, stop flow of product, and avoid large spills into water ways.
- Methods for cleaning up : Confine spill and soak up with absorbent. Place in an approved container and dispose in accordance with local, state, and federal regulations.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Avoid contact with eyes. Wear protective gloves and eye protection.
Wash thoroughly after handling. Keep away from children.

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7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store locked up.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Phosphoric Acid (7664-38-2)		
ACGIH	ACGIH TWA (mg/m ³)	1 mg/m ³
OSHA	OSHA PEL (TWA) (mg/m ³)	1 mg/m ³
OSHA	OSHA REL (TWA) (mg/m ³)	1 mg/m ³
ACGIH	ACGIH TLV (STEL) (mg/m ³)	3 mg/m ³
NIOSH	NIOSH REL (TWA) (mg/m ³)	3 mg/m ³
NIOSH	NIOSH IDL (TWA) (mg/m ³)	1000 mg/m ³

8.2. Exposure controls

Appropriate engineering controls : To avoid breathing dust/fume/gas/mist/vapors/spray.
Hand protection : Rubber gloves recommended for long term use.
Eye protection : Safety glasses recommended.
Skin and body protection : None required under normal product handling conditions.
Respiratory protection : None required under normal product handling conditions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Color : Transparent
Orange
Odor : No particular odor
Odor threshold : No data available
pH : 1-2
Melting point : No data available
Freezing point : No data available
Boiling point : > 100 °C (>212 °F)
Flash point : > 100 °C (>212 °F)
Relative evaporation rate (butyl acetate=1) : No data available
Flammability : Non Flammable
Vapor pressure : No data available
Relative vapor density at 20 °C : No data available
Specific Gravity : 1.20-1.50 gr/cc
Solubility : Total in water
Log Pow : No data available
Auto-ignition temperature : No data available
Decomposition temperature : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosion limits : No data available
Explosive properties : No data available
Oxidizing properties : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reacts with alkalines. Keep away from oxidizers.

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

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10.3. Possibility of hazardous reactions

Will not occur.

10.4. Conditions to avoid

None.

10.5. Incompatible materials

Avoid contact with bases and oxidizers

10.6. Hazardous decomposition products

Not determined.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Water (7732-18-5)	
LD50 oral rat	> 90 ml/kg
Phosphoric Acid (7664-38-2)	
LD50 oral rat	1530 mg/kg
LD50 dermal rat	2740 mg/kg
LC50 inhalation rat (mg/m ³ , 1h).	>850 mg/ m ³
2,2',2''-Nitrilotriethanol (102-71-6)	
LD50 oral rat	>5000 mg/kg
LD50 dermal rabbit	>2000 mg/kg
ATE US (oral)	Not Listed

Skin corrosion/irritation : Causes skin irritation.
Serious eye damage/irritation : Causes serious eye damage.
Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

Reproductive toxicity : Not classified
Specific target organ toxicity – single exposure : Not classified

Specific target organ toxicity – repeated exposure : Not classified

Aspiration hazard : Not classified

This product contains no listed carcinogens according to IARC, ACGIH, NTP and/or OSHA in concentrations of 0.1 percent or greater.

SECTION 12: Ecological information

12.1. Toxicity

Phosphoric Acid (7664-38-2)	
Aquatic Vertebrate : Not Available	
Aquatic Invertebrate : Not Available	

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2,2',2''-Nitrilotriethanol (102-71-6)	
LC50 fish 1	11,800 mg/l (Exposure time: 96 h - Species: Fathead minnow (<i>Pimephales promelas</i>)).
EC50, <i>Ceriodaphnia dubia</i>	> 108 mg/l (Exposure time: 48 h)

12.2. Persistence and degradability

Readily biodegradable in the environment.

12.3. Bioaccumulative potential

The Phosphorous element is a nutrient for Flora and Fauna .No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on the ozone layer : No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with:

DOT, IMDG and IATA

UN 1805,

PHOSPHORIC

ACID SOLUTION,

Class 8, PG III.

SECTION 15: Regulatory information

15.1. US Federal regulations

Water (7732-18-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Phosphoric Acid (7664-38-2)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Poly Di-methyl Siloxane (9016-00-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Inventory Update Reporting Rule, i.e, Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(C)).
2,2',2''-Nitrilotriethanol (102-71-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
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15.2. US State regulations

Phosphoric Acid (7664-38-2)

U.S. - Massachusetts - Right To Know List
U.S. - Minnesota - Hazardous Substance List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

Full text of H-phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Eye Dam. 1	Serious eye damage/eye irritation Category 1
H317	May cause an allergic skin reaction
Skin Corr. 1B	Skin corrosion/irritation Category 1B
Skin Irrit. 2	Skin corrosion/irritation Category 2
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation

NFPA Rating: Fire: 0 Health: 3 Reactivity: 0

HMIS Rating: Health = 3; Flammability = 0; Reactivity = 0; Personal Protection Equipment = B

This SDS has been prepared according to the criteria of the Hazardous Products Regulations (HPR) (WHMIS 2015) and the SDS contains all of the information required by the HPR. Applicable GHS information is listed in section 2.2 of this SDS.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.