

BioSafe Aqueous Ozone Solution

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : BioSafe Aqueous Ozone Solution
Product code : n/a

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

Use of the substance/mixture : For professional use only
Disinfectant/
Antimicrobial/Surface
Cleaning

Use advised against : None identified

1.3. Details of the supplier of the safety data sheet

BIOSAFE DISTRIBUTORS LLC
12020 Shamrock Plaza Suite 200
Omaha, NE 68154

Tel: 1-402-778-4826

1.4. Emergency telephone number

Emergency number : 1-855-4BIOSAFE (1-855-424-6723 - 24 HOURS)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Not Classified

2.2. Label elements

Labelling

No labelling applicable

2.3. Other hazards

No additional information available : None known

2.4. Unknown acute toxicity

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixture

This mixture does not contain any substances to be mentioned according to the criteria of section 2.2 of HazCom 2012. Dissolved ozone gas in water 0 to 2.0 ppm.

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SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	: Inhalation of aqueous ozone may lead to irritation of the lungs. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If exposure symptoms persist, seek medical advice.
First-aid measures after skin contact	: Not known to cause irritation, but if skin irritation occurs, wash well with fresh water. If skin irritation persists, seek medical attention.
First-aid measures after eye contact	: If eye irritation occurs with exposure to aqueous ozone, it is suggested to efficiently rinse eye with potable water for 5 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice and attention.
First-aid measures after ingestion	: No specific measures have to be taken if the product is swallowed.

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

Not known to be harmful to health in normal use.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use fire-extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media : None to our knowledge.

5.2. Special hazards arising from the substance or mixture

None known.

5.3. Advice for firefighters

Firefighting instructions : No special requirements.

Protective equipment for firefighters : No additional risk management measures required.

Other information : NA

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Spilled material may present a slipping hazard.

6.2. Environmental precautions

None known.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Allow the residual product to evaporate. No special procedures required.

6.4. Reference to other sections

For further information refer to section 8: Exposure-controls/personal protection. For disposal of residues refer to section 13: Disposal considerations.

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SECTION 7: Handling and storage

Precautions for safe handling : Aqueous ozone solution should not be sprayed as an aerosol to avoid the release of ozone gas out of aqueous ozone solution. The decay rate of ozone gas is related to temperature and organic material exposure. Testing has proved that the rate of ozone gas released from aqueous ozone solution is below the PEL established by OSHA for gaseous ozone. Avoid extended periods of use in confined areas without proper ventilation.

7.1. Conditions for safe storage, including any incompatibilities

Storage conditions : No special measures required.

Incompatible materials : Natural rubber components may degrade or dry-out over time with extended use.

Maximum storage period : 3 year If stored indoors with no direct sunlight or wide temperature swings, the storage period may be extended to 5 years.

7.2. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls : Handle in accordance with good industrial hygiene and safety procedures.

Personal protective equipment : No special equipment needed under normal conditions.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: Colorless
Odor	: Fresh
Odor threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: = 1
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 100 °C (212 °F)
Flash point	: No data available
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapor pressure	: 2.3 kPA (20 °C)
Relative vapor density at 20 °C	: 0.62
Relative density	: No data available
Solubility	: Water: completely soluble
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable.

10.3. Possibility of hazardous reactions

No dangerous reactions known.

10.4. Conditions to avoid

None under normal conditions.

10.5. Incompatible materials

Natural rubber components may degrade or dry-out over time with extended use.

10.6. Hazardous decomposition products

None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified
(Based on available data, the classification criteria are not met)

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Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met)
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (No carcinogen substances in IARC, NTP or OSHA cited.)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
Specific target organ toxicity (single exposure)	: Not classified (Based on available data, the classification criteria are not met)
Specific target organ toxicity (repeated exposure)	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : No additional information available

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on ozone layer : No additional information available

Effect on the global warming : No additional information available

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : May be disposed of in household waste landfill.

Waste disposal recommendations- Containers : NA

SECTION 14: Transport information

In accordance with DOT

Not regulated for transport

Additional information

Other information : No supplementary information available.

Transport by sea

Not regulated for transport

Air transport

Not regulated for transport

SECTION 15: Regulatory information

15.1. US Federal regulations

No additional information available

15.2. International regulations

No additional information available

15.3. US State regulations

No additional information available

SECTION 16: Other information

NfPA health hazard/fire hazard/reactivity : 0 – Exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials. 0 – Materials that will not burn. 0 – Normally stable, even under fire exposure conditions, and are not reactive with water.

Last Revision date : 02/23/2021

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