BRIOTECH

SANITIZER + DISINFECTANT

SAFETY DATA SHEET

Date Issued: 03-27-2020 Revision: 2.0

SECTION 1 – IDENTIFICATION

Product Identifier

Product Name: Briotech, Briotech Sanitizer + Disinfectant, Briotech Sanitizer + Disinfectant Kills 99.99% of Viruses and Bacteria

Other Means of Identification

Synonyms: HOCl, Hypochlorous Acid, Briotech HOCl, BRIO HOCl

Recommended Use of the Chemical and Restrictions on Use

Recommended Use: Surface sanitizer, disinfectant, cleaner, deodorant
Uses advised against: No information available
Restrictions on use: External use only

Details of the Supplier of the Safety Data Sheet

Manufacturer Name: Briotech, Inc.
Manufacturer: 14120 NE 200th Street, Woodinville WA 98072, USA
Website: www.briotechusa.com
Email: contact@briotechusa.com

Emergency Telephone Number

+1 (425) 488-4300

SECTION 2 – HAZARDS IDENTIFICATION

Classification

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).
Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.
Under normal conditions of use the likelihood of any adverse health effects is minimal.

GHS Label Elements, Including Precautionary Statements

Hazard Pictograms: Not applicable
Signal Word: Not applicable
Hazard Statements: The product contains no substance which at their given concentration, are considered to be hazardous to health.

Precautionary Statements

Read label before use
Prevention: Keep away from heat
Storage: Keep only in the original container. Protect from sunlight.
Disposal: Not applicable



Hazards not otherwise classified (HNOC)

Not applicable

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Substance/Mixture

Mixture: The product contains no substances which at their given concentration, are considered to be hazardous to health.

Chemical Name	Percent Range	CAS#	EINECS#
Water	99.884-99.090%	7732-18-5	231-791-2
Sodium Chloride	0.1-0.9%	7647-14-5	231-598-3
Hypochlorous Acid	0.016-0.0198%	7790-92-3	232-232-5

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

SECTION 4 – FIRST AID MEASURES

Description of First Aid Measures

General: This product is not known to cause respiratory problems, irritation to the eyes or skin, nor discomfort if ingested while in normal use per label.
Inhalation: If discomfort develops, remove from further exposure. Obtain medical attention if additional symptoms occur.
Eye Contact: If irritation develops, flush with plenty of water and obtain additional medical attention if additional symptoms occur.
Skin Contact: If irritation develops, wash skin with plenty of water. Obtain medical attention if additional symptoms occur.
Ingestion: Rinse mouth with potable water. Do not induce vomiting. Get medical advice if additional symptoms appear.

Most Important Symptoms/Effect, Acute and Delayed

For symptoms and effects see Section 11.

Indication of Any Immediate Medical Attention and Special Treatment Needed

Notes to Physician: Treat symptomatically.

SECTION 5 – FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstance and the surrounding environment.

Specific Hazards Arising From the Chemical

No information available

Hazardous Combustion Products

This material will not burn.

Protective Equipment and Precautions for Fire-fighters

Fire-fighters should wear self-contained breathing apparatus and full protective gear.

SECTION 6 –ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

No special protective equipment required.

Methods and Materials for Containment and Cleaning Up

Spills: Stop leak and move containers from spill area. Dilute with water and mop up. Alternatively, absorb with an inert dry material and place in an appropriate waste disposal container. See section 13 for more information.

SECTION 7 – HANDLING AND STORAGE

Precautions for Safe Handling

Handling: Handle in accordance with good industrial hygiene and safety practice.

Conditions for Safe Storage, Including Any Incompatibilities

Storage: Keep containers tightly closed in a dry, cool place. Store in original container, at room temperature, away from direct sunlight and heat. Do not allow to freeze.
Incompatible Products: Reducing agents.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

Exposure Guidelines: This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by region specific regulatory bodies.

Appropriate Engineering Controls

Engineering Measures for High Volume Storage: Showers, eyewash stations, ventilation systems.

Individual Protection Measures, such as Personal Protective Equipment

Eye/face protection: No special protective equipment required.
Skin/body protection: No special protective equipment required.
Respiratory protection: No protective equipment is needed under normal use conditions. If irritation is experienced, ventilation and evacuation may be required.
Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state: Liquid
Color: Clear, Colorless
Odor: Mild chlorine odor
Odor Threshold: Not available
pH: 4.0 to 5.0
Melting point/freezing point: -0.1°C, with concomitant precipitation of sodium chloride
Boing point/boiling range: 101°C
Flash point: No data available
Evaporation rate: No data available
Flammability (solid, gas): No data available
Upper/lower flammability limits: No data available
Vapor pressure: No data available
Vapor density: No data available
Specific Gravity: 1
Solubility: Water (complete)
Partition coefficient: n-octanol/water: No data available
Auto-ignition temperature: No data available
Decomposition temperature: No data available
Viscosity: 1.004 mm2/s kinematic, 1.002 cP dynamic

SECTION 10 – STABILITY AND REACTIVITY

Reactivity

No data available

Chemical Stability

Stable under described conditions of use and storage. Use product within stated expiration date.

Possibility of Hazardous Reactions

None under normal conditions of storage and use.

Conditions to Avoid

Heat, direct sunlight, and freezing temperatures.

Incompatible Materials

Ammonia, ammonium salts, reducing agents, reactive metals (iron and steel), aziridines, methanol, formic acid.

Hazardous Decomposition Products

Avoid adding acid or heating solution as it may liberate chlorine gas.

SECTION 11 – TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information

Inhalation: No known effect based on information supplied.
Eye Contact: No known effect based on information supplied.
Skin Contact: No known effect based on information supplied.
Ingestion: No known effect based on information supplied.

Acute Toxicity Data

Oral Exposure: Acute oral toxicity no observed effects.
Dermal Exposure: Acute Dermal toxicity no observed effects.
Inhalation Exposure: Acute inhalation toxicity no observed effects.

Information on Toxicological Effects

Symptoms: No information available

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Dermal Sensitization: This product is not known to cause sensitization.
Mutagenic Effects: No information available.

Carcinogenicity: Contains no ingredient listed as a carcinogen.
Reproductive Toxicity: No information available
Specific Target Organ Toxicity (STOT)-single exposure: No information available
Specific Target Organ Toxicity (STOT)-repeated exposure: No information available
Target Organ Effects: None known
Aspiration Hazard: No information available

Numerical Measures of Toxicity

Acute toxicity estimates: Not available

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity

Based on the classification principles, the product is not classified as hazardous to the environment.

Persistence and Degradability

No information available

Bioaccumulative Potential

No information available

Mobility in Soil

No information available

Other Adverse Effects

No information available

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal methods: The material, as supplied is not a hazardous waste according to Federal regulations (40 CFR 261). The material could become hazardous waste if it is mixed with or otherwise comes in contact with hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements. Waste packaging should be recycled.

SECTION 14 – TRANSPORT INFORMATION

UN Number: Not regulated
UN Proper Shipping Name: Not regulated
Transport Hazard Class: Not regulated, safe to ship by air
Packaging Group: Not regulated
Environmental Hazards: Not regulated
Special Precautions for Users: Not regulated

SECTION 15 – REGULATORY INFORMATION

International Inventories

Toxic Substances Control Act (TSCA): Complies
Domestic Substance List: All components are listed on the DSL.

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard: No
Chronic Health Hazard: No
Fire Hazard: No
Sudden Release of Pressure Hazard: No
Reactive Hazard: No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

International Regulations

Canada

WHMIS Hazard Class: Not determined

SECTION 16 – OTHER INFORMATION

Revision Date: 14-April-2021

Version: 2.0

Disclaimer

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Briotech, Inc. makes no representations as to the completeness or accuracy of the information.

END

BRIOTECH