

SAFETY DATA SHEET

Ultimate Brew Cleaner

Section 1. Chemical Product and Company Information

Product Name : Ultimate Brew Cleaner
Other means of identification : Not applicable
Recommended Use : Cleaning Agent
Restrictions on Use : Reserved for industrial and professional use.

Supplier Information : BIOSAN, LLC
26 Freedom Way
Saratoga Springs, NY 12866
(518) 886-9827

Code :
Date of issue : 04/19/2019

EMERGENCY HEALTH INFORMATION : 1 (800) 424-9300
Outside United States and Canada CALL: +1 (703) 741-5500

Section 2. Hazards Identification

GHS Classification

Skin Corrosion/Irritation : Category 1 sub-category B
Specific target organ toxicity : Category 3
(single exposure)
Corrosive to metals : Category 1

GHS Label Element

Hazard pictograms :



Signal Word : Danger
Hazard Statements : H314 - Causes severe skin burns and eye damage
H335 - May cause respiratory irritation
H290- May be corrosive to metals

Precautionary Statements :

Prevention:

P101 - If medical advice is needed, have product container or label at hand.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Response:

IF INHALED: P340-Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P310 - Immediately call a POISON CENTER or doctor/physician



SAFETY DATA SHEET

Ultimate Brew Cleaner

IF SWALLOWED: P330+P331- Rinse mouth. Do NOT induce vomiting.
IF IN EYES: P351+ P338 -Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Storage: Store locked up.
Disposal: Dispose of contents/ container to an approved waste disposal plant.
Other hazards : None Known

Section 3. Composition / Information on Ingredients

Pure substance/mixture : Mixture

Chemical Name	CAS-No.	Concentration (%)
Sodium metasilicate	6834-92-0	25.0 - 30.0
Sodium percarbonate	239-707-6	20.0 – 30.0
Sodium carbonate	497-19-8	25.0 - 30.0
Sodium tripolyphosphate	7758-29-4	5.0 – 15.0

Section 4. First Aid Measures

In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

In case of skin contact : Wash off immediately with plenty of water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/ attention.

If inhaled : Remove to fresh air. Get medical attention if symptoms occur.

If swallowed : Do NOT induce vomiting. If conscious, give water or milk. Call a physician or poison control center immediately.

Most important symptoms and effects. Both acute and delayed : May cause eye burns and permanent eye damage. Contact may cause irritation and redness. May cause nausea, vomiting, stomach ache, and diarrhea. May cause irritation to the mucous membranes and upper respiratory tract.



SAFETY DATA SHEET

Ultimate Brew Cleaner

Notes to physician : Treat symptomatically.

See toxicological information (Section 11)

Section 5. Fire-Fighting Measures

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water. Carbon dioxide (CO₂). Foam.
- Unsuitable extinguishing media : None known
- Specific hazards during fire fighting : Non known. Product is not flammable or combustible.
- Special protective equipment for fire-fighters : Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

Section 6. Accidental Release Measures

- Personal precautions, protective equipment and emergency procedures : Wear a dust mask. Use personal protective equipment as required.
- Emergency Responders : Use personal protection recommended in Section 8..
- Environmental Precautions : Collect Spillage
- Methods and materials for containment and cleaning up : Stop leak if safe to do so. Sweep up and shovel into suitable containers for disposal. Flush residue with water. Clean up in accordance with all applicable regulations.

Section 7. Handling and Storage

- Advice on safe handling : Use personal protection recommended in Section 8. Avoid breathing vapors or mists. Do not eat, drink or smoke when using this product. Use only in well-ventilated areas. Wash face, hands, and any exposed skin thoroughly after handling.



SAFETY DATA SHEET

Ultimate Brew Cleaner

Conditions for safe storage

Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up.

Section 8. Exposure Controls / Personal Protection

Exposure Limits

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

Engineering measures

: Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye protection

: Safety goggles with side-shields

Hand protection

Rubber or PVC gloves are recommended.

Skin protection

: Suitable protective clothing.

Respiratory protection

: A dust mask is recommended.

Section 9. Physical and Chemical Properties

Appearance

: Solid white powder

Color

: White

Odor

: odorless

pH

: 11-12 (1% solution)

Flash point

: Not applicable, Does not sustain combustion.

Odor Threshold

: No data available

Melting point/freezing point

: No data available

Initial boiling point and boiling range

: No data available

Evaporation Rate

: No data available

Flammability (solid, gas)

: No data available

Upper explosion limit

: Not an explosive



SAFETY DATA SHEET

Ultimate Brew Cleaner

Lower explosion limit	:	No data available
Vapor pressure	:	No data available
Relative vapor density	:	No data available
Bulk density	:	64 lbs/ cu ft
Water solubility	:	<10%
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Autoignition temperature	:	No data available
Thermal decomposition	:	No data available
Viscosity, kinematic	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	Not an oxidizer
Molecular weight	:	No data available
VOC	:	No data available

Section 10. Stability and Reactivity

Chemical stability	Stable under normal conditions. Stable under dry conditions, will pick up water.
Possibility of hazardous reactions	Not reactive under normal conditions.
Conditions to avoid	Incompatible materials
Incompatible materials	Acids
Hazardous decomposition products	None under normal use

Section 11. Toxicological Information

Information on likely routes of exposure	:	Eye contact, Skin contact
Potential Health Effects	:	No data available



SAFETY DATA SHEET

Ultimate Brew Cleaner

Eyes : Causes serious eye damage.
Skin : Causes skin irritation.
Ingestion : Health injuries are not known or expected under normal use.
Inhalation : Health injuries are not known or expected under normal use.
Chronic Exposure : Health injuries are not known or expected under normal use.

Chemical Name	Oral LD50
Sodium metasilicate	= 1034 mg/kg (Rat)

STOT - Single Exposure : May cause respiratory irritation.
Symptoms : Please see section 4 of this SDS for symptoms.

Section 12. Ecological Information

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal

Chemical	Algae/aquatic plants	Fish	Crustacea
Sodium metasilicate		210: 96 h <i>Brachydanio rerio</i> mg/L LC50 semi-static 210: 96 h <i>Brachydanio rerio</i> mg/L LC50	216: 96 h <i>Daphnia magna</i> mg/L EC50

Ecotoxicity

Environmental Effects : Not determined
Persistence and degradability : No data available
Bioaccumulative potential : No data available
Mobility in soil : No data available
Other adverse effects : No data available

Section 13. Disposal Considerations

Waste from Residues / Unused Products : Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated Packaging : Improper disposal or reuse of this container may be dangerous and illegal



SAFETY DATA SHEET

Ultimate Brew Cleaner

Section 14. Transport Information

IMDG (DOT)

UN/ID No: UN3262

PROPER SHIPPING NAME: Corrosive solid, basic, inorganic, n.o.s. (SODIUM METASILICATE)

HAZARD CLASS: 8

PACKING GROUP: II

LABELING REQUIREMENTS: 8

RID

UN/ID No: UN3262

PROPER SHIPPING NAME: Corrosive solid, basic, inorganic, n.o.s. (SODIUM METASILICATE)

HAZARD CLASS: 8

PACKING GROUP: II

LABELING REQUIREMENTS: 8

ADR / DOT

UN/ID No: UN3262

PROPER SHIPPING NAME: Corrosive solid, basic, inorganic, n.o.s. (SODIUM METASILICATE)

HAZARD CLASS: 8

PACKING GROUP: II

LABELING REQUIREMENTS: 8

ICAO (air)

UN/ID No: UN3262

PROPER SHIPPING NAME: Corrosive solid, basic, inorganic, n.o.s. (SODIUM METASILICATE)

HAZARD CLASS: 8

PACKING GROUP: II

LABELING REQUIREMENTS: 8

IATA

UN/ID No: UN3262

PROPER SHIPPING NAME: Corrosive solid, basic, inorganic, n.o.s. (SODIUM METASILICATE)

HAZARD CLASS: 8

PACKING GROUP: II

LABELING REQUIREMENTS: 8

Section 15. Regulatory Information

The ingredients of this product are reported in the following inventories:

United States TSCA Inventory : Not determined

Canadian Domestic : Not determined

Substances List (DSL)

Australia Inventory of : Not determined

Chemical Substances (AICS)

New Zealand. Inventory of : Not determined

Chemical Substances



SAFETY DATA SHEET

Ultimate Brew Cleaner

Japan. ENCS - Existing and New Chemical Substances Inventory : Not determined
Japan. ENCS - Existing and New Chemical Substances Inventory : Not determined
Japan. ISHL - Inventory of Chemical Substances : Not determined
Korea. Korean Existing Chemicals Inventory (KECI) : Not determined
Philippines Inventory of Chemicals and Chemical Substances (PICCS) : Not determined
China. Inventory of Existing Chemical Substances in China (IECSC) : Not determined

Section 16. Other Information

Issuing date : 4/19/2019
Version : 1.0
Prepared by : RJD

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.