



SAFETY DATA SHEET

BLISS POOL SPA & HOT TUB BROMINE TABLETS

Version 1.0

Revision Date: 07/21/2025

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SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product name : Bliss Pool Spa and Hot Tub Bromine Tablets

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

Identified uses : Swimming pool water treatment, industrial water treatment sterilization.

Uses advised against : No uses advised against are identified.

Details of the supplier of the safety data sheet

Supplier : Bliss Water Care, LLC
1309 Coffeen Avenue
Sheridan, WY, 82801

Telephone : (844) 404-0909

Email : sds@blisswatercare.com

Emergency telephone number:

Emergency phone : CHEMTREC: (800) 424-9300

SECTION 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification of the substance

The substance is classified as the following according to REGULATION (EC) No 1272/2008:

Oxidising solids	:	Category 2, H272
Acute toxicity, oral	:	Category 4, H302
Skin corrosion	:	Category 1B, H314
Aquatic Acute	:	Category 1, H400

For full text of H- phrases: see Hazard statements

Label elements



Hazard pictograms

:

Signal word

:

Danger

Hazard statements

:

H272 May intensify fire; oxidiser.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H400 Very toxic to aquatic life.

Precautionary statements

:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P220: Keep away from clothing and other combustible materials.
P260: Do not breathe dust/fume/gas/mist/vapours/sprays.
P264: Wash hands thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P312: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P301 + P330 + P331: IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.
P303 + P361 + P353: IF ON SKIN (or hair):

Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304 + P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call POISON CENTRE/ doctor.
P330: Rinse mouth.
P363: Wash contaminated clothing before reuse.
P370 + P378: In case of fire: Use carbon dioxide, dry chemical powder, foam to extinguish.
P391: Collect spillage.
P405: Store locked up.
P501: Dispose of contents/container in accordance with local regulations.

**Supplemental Hazard information :
(EU)**

EUH031 Contact with acids liberates toxic gas.

Other hazards

The substance is not PBT / vPvB.

The substance is not identified as having endocrine disrupting properties.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture : Substance

Ingredient(s):

Chemical name	Registration number	CAS number	EC number	Concentration - %	Specific concentration limits, M-Factors, Acute Toxicity

					Estimates (ATE)
1-bromo-3-chloro-5 ,5-dimethylimidazol idine-2,4-dione	N/A	16079-88-2	240-230-0	98%	N/A
Water	N/A	7732-18-5	231-791-2	2%	N/A

SECTION 4. FIRST AID MEASURES

Description of first aid measures

In all cases of doubt, or when symptoms persist, seek medical attention.

In case of inhalation : Remove from exposure, taking care to avoid inhaling dust. Keep warm rest. Obtain medical attention if symptoms appear.

In case of skin contact : Wash skin with water. Obtain medical attention if soreness or redness persists.

In case of eye contact : Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Remove contact lenses if possible. Obtain medical attention.

In case of ingestion : Do not induce vomiting. Obtain medical attention if symptoms appear or if large quantities have been ingested.

Most important symptoms and effects, both acute and delayed

Harmful if swallowed. Causes severe skin burns and eye damage.

Indication of any immediate medical attention and special treatment needed

If skin irritation or rash occurs, get medical advice/attention.

SECTION 5. FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media	:	Carbon dioxide, dry chemical powder, foam. Suitable extinguishing media for the surrounding fire should be used.
Unsuitable extinguishing media	:	Not available.
Specific hazards during firefighting	:	In case of fire, the following can be released: Carbon oxides, nitrogen oxides, chlorides, bromides.
Advice for firefighters	:	Self-contained breathing apparatus with Full-face mask and full protective clothing (standard wear).

SECTION 6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

For non-emergency personnel	:	Eliminate all sources of ignition. Wear appropriate protective clothing. Avoid breathing dust. Keep unnecessary people away; isolate hazard area and deny entry. Consider need for evacuation. See section 8 for information on personal protective equipment.
For emergency personnel	:	Wear appropriate NIOSH/MSHA approved respirator if dust is generated.
Environmental precautions	:	Try to prevent the material from entering drains or water courses. Advise Authorities if spillage has entered water course or sewer or has contaminated soil or vegetation.
Methods and materials for containment and cleaning up	:	Sweep up and shovel into suitable containers for disposal. Avoid dust formation. Keep in properly labelled containers. Keep in

Suitable, closed containers for disposal.

References to other sections : see section 8 for information on personal protective equipment.
See section 13 for information on disposal.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

Protective measures : Store in tightly closed containers in cool, dry, isolated, well-ventilated area. Avoid contact With eyes, skin and clothing. Suitable equipment for dealing with fires, spills and leaks must be readily available. Earth all equipment. Use explosion protected electrical equipment and lighting.

Advice on general occupational hygiene : Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

Conditions for safe storage including any incompatibilities : Storage area should be cool, dry, well ventilated, out of direct sunlight. Store in original containers. Store away from sources of heat or ignition.

Specific and use(s) : Not applicable.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational exposure limits : Not available.

Additional exposure limits under : Not available.

the conditions of use

DNEL/DMEL and PNEC-Values : Not available.

Exposure controls

Appropriate engineering controls : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection : Safety goggles.

Skin protection:

Hand protection : Protective gloves.

Body protection : Standard work wear and safety boots for normal handling and use.

Respiratory protection : In the case of dust or aerosol formation use respirator with an approved filter.

Thermal hazards : Wear suitable protective clothing to prevent heat.

Environmental exposure controls : Avoid discharge into the environment. According to local regulations, federal and official regulations.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES
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Information on basic physical and chemical properties

Physical state : Solid
Color : White
Odour : Light halogen odor
Odour threshold : Not available
pH : Not available

Melting point/freezing point (°C)	:	Not available
Boiling point or initial boiling point and boiling range (°C)	:	Not available
Flash point (°C)	:	Not available
Evaporation rate	:	Not available
Flammability limit - lower (%)	:	Not available
Flammability (gas, liquid, solid)	:	Not available
Ignition temperature (°C)	:	Not available
Lower and upper explosion limit	:	Not available
Vapour pressure (20°C)	:	Not available
Relative vapour density	:	Not available
Relative Density (g/cm³)	:	Not available
Bulk density (kg/m³)	:	Not available
Solubility in water (g/l, 20%)	:	Not available
Solubility in other polar and non-polar solvents (g/l, 20°C)	:	Not available
Partition coefficient n-octanol/Water (logPo/w, 20°C)	:	Not available
Auto-ignition temperature (°C)	:	Not available
Decomposition temperature	:	Not available
Kinematic viscosity		
Particle characteristics	:	Not available
Explosive properties	:	Not available
Oxidizing properties	:	Not available
Molecular Formula	:	C5H6BrClN2O2
Molecular Weight	:	241.47

Other information

Fat solubility(solvent-oil to be specified) etc	:	Not available
Surface tension	:	Not available
Dissociation constant in water (pKa)	:	Not available
Oxidation-reduction Potential	:	Not available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	The substance is stable under normal storage and handling conditions.
Chemical stability	:	Stable at room temperature in closed containers under normal storage and handling conditions.
Possibility of hazardous reactions	:	No dangerous reactions known.
Conditions to avoid	:	Incompatible materials. High temperatures. Proximity to sources of ignition.
Incompatible materials	:	Oxidising agents.
Hazardous decomposition products	:	Carbon oxides, nitrogen oxides, chlorides, bromides.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity:

LD50(Oral, Rat)	:	Not available
LD50(Dermal, Rabbit)	:	Not available
LC50(Inhalation, Rat)	:	Not available
Skin corrosion/irritation	:	Causes severe skin burns and eye damage.
Serious eye damage/irritation	:	Not classified
Respiratory or skin sensitization	:	Not classified
Germ cell mutagenicity	:	Not classified
Carcenogenicity	:	Not classified
Reproductive toxicity	:	Not classified
STOT - single exposure	:	Not classified
STOT - repeated exposure	:	Not classified
Aspiration hazard	:	Not classified

Information on other hazards

Endocrine disruption properties	:	The substance is not identified as having
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Other information : endocrine disrupting properties.
Not applicable

SECTION 12. ECOLOGICAL INFORMATION

Toxicity

Acute (short term) toxicity

LC50(96hr, Fish) : Not available

LC50(48h, Crustacea) : Not available

EC50(72H, Algae/aquatic plants) : Not available

Chronic (long-term) toxicity

NOEC(Fish) : Not available

NOEC(Crustacea) : Not available

EC50(Algae/aquatic plants) : Not available

Persistence and degradability : Not available

Bioaccumulative potential : Not available

Mobility in soil : Not available

Results of PBT and vPvB assessment : This substance is not PBT / vPvB.

Endocrine disrupting properties : The substance is not identified as having endocrine disrupting properties.

Other adverse effects : Not available

Additional information : Not available

SECTION 13. DISPOSAL CONSIDERATIONS

Waste treatment methods : Dispose of in accordance with all applicable applicable local and national regulations. Use recovery/recycling where feasible, otherwise

incineration is the recommended method of disposal. Empty containers may contain Hazardous residues. Do not cut, puncture or weld on or near to the container. Labels should not be removed from containers until they have been cleaned. Contaminated containers must not be treated as household waste. Containers should be cleaned by appropriate methods and then re-used or disposed of by landfill or incineration as appropriate. Do not incinerate closed containers.

SECTION 14. TRANSPORT INFORMATION

	Land transport (ADR/RID)	Inland waterways (ADN)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN number or ID number	UN3085	UN3085	UN3085	UN3085
UN proper shipping name	OXIDIZING SOLID, CORROSIVE, N. O. S. (1-bromo-3-chloro-5,5-dimethylimidazolidine-2,4-dione)	OXIDIZING SOLID, CORROSIVE, N. O. S. (1-bromo-3-chloro-5,5-dimethylimidazolidine-2,4-dione)	OXIDIZING SOLID, CORROSIVE, N. O. S. (1-bromo-3-chloro-5,5-dimethylimidazolidine-2,4-dione)	OXIDIZING SOLID, CORROSIVE, N. O. S. (1-bromo-3-chloro-5,5-dimethylimidazolidine-2,4-dione)
Transport hazard class(es)	5.1 (8)	5.1 (8)	5.1 (8)	5.1 (8)
Packing group	II	II	II	II
Environmental hazards	Yes	Yes	Yes	Yes
Special	See section 2	See section 2	See section 2	See section 2

precautions for user	label elements	label elements	label elements	label elements
Maritime transport in bulk according to IMO instructions	IBC06	IBC06	IBC06	IBC06

SECTION 15. REGULATORY INFORMATION

Safety , health and environmental regulations/ legislation specific for the substance of mixture:

Relevant information regarding authorization : Not applicable

Relevant information regarding restriction : Not applicable

Other EU regulations : Employment restrictions concerning young person must be observed. For use only by technically qualified individuals.

Other National regulations : Not applicable

Chemical Safety Assessment
No.

SECTION 16. OTHER INFORMATION

Indication of changes

Version 1 Amended by Bliss Water Care Regulatory Team

Abbreviations and acronyms

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG: Code international maritime dangerous goods code

ICAO: International Civil Aviation Organization

IATA: International Air Transport Association

LC50: median lethal concentration

EC50: The effective concentration of substance that causes 50% of the maximum response.

NOEC: No Observed Effect Concentration

DNEL: derived no-effect level

PNEC: predicted no-effect concentration

Key literature references and sources for data

ECHA Registered substances data

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

Classification according to Regulation (EC) No.1272/2008		Classification procedure
Ox. Sol. 2	H272	On basis of test data
Acute Tox. 4	H302	On basis of test data
Skin Corr. 1B	H314	On basis of test data
Aquatic Acute 1	H400	On basis of test data

Relevant H-statements (number and full text) :

H272: May intensify fire; oxidiser
H302: Harmful if swallowed.
H314: Causes severe skin burns and eye damage.
H400: Very toxic to aquatic life.

Training instructions : Not applicable

Further information : This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

Notice to reader

Employers should use this information only as a supplement to other information gathered

by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.