SAFETY DATA SHEET

BWT 102L

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: BWT 102L
Common Name: Mixture
SDS Number: 0169
Product Code: BT0001
Revision Date: 8/8/2019
Version: 2
Product Use: Boiler Water Treatment

Supplier Details: U. S. Water, a Kurita company
12270 43rd St. NE
St. Michael, MN 55376

Contact: Non-emergency #: 866-663-7632
Email: SDS@uswaterservices.com
Web: www.uswaterservices.com

EMERGENCY RESPONSE: (ChemTel)
US & Canada: 800-255-3924
International: +01-813-248-0585

2 HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Health, Acute toxicity, 5 Oral
Health, Serious Eye Damage/Eye Irritation, 2 B
Health, Skin corrosion/irritation, 3
Health, Acute toxicity, 5 Inhalation

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: WARNING

GHS Hazard Pictograms:

No GHS pictograms indicated for this product

GHS Hazard Statements:

H303 - May be harmful if swallowed
H320 - Causes eye irritation
H316 - Causes mild skin irritation
H333 - May be harmful if inhaled

GHS Precautionary Statements:

P102 - Keep out of reach of children.
P281 - Use personal protective equipment as required.
P302+352 - IF ON SKIN: Wash with soap and water.
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Hazards not Otherwise Classified (HNOC) or not Covered by GHS

PPE recommendation is advisory only and based on typical use conditions. An industrial hygienist or safety officer familiar with the specific situation of anticipated use must determine actual PPE required when using this product (29 CFR 1910.132)

3 COMPOSITION/INFORMATION OF INGREDIENTS

Concentration values are expressed in (weight % / weight %)

Chemical Ingredients:		
CAS#	%	Chemical Name:
7681-57-4	20-30	Sodium metabisulfite

4 FIRST AID MEASURES

Inhalation: Remove from contamination. If person has stopped breathing administer artificial respiration. If symptoms persist, seek medical attention.

Skin Contact: Wash off with soap and plenty of water. Remove contaminated garments and wash or destroy. Consult a physician if irritation develops.

Eye Contact: Flush eyes with plenty of running water for 15 minutes. Seek medical attention if irritation persists.

Ingestion: If conscious, give plenty of water. If discomfort or other symptoms develop, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.

Most important symptoms & effects (acute & delayed)**:** No data available

Indication of need for immediate medical attention: None

Special treatment needs: None

5 FIRE FIGHTING MEASURES

Extinguishing Media:

Suitable: Use extinguishing media suitable for surrounding fire.

Unsuitable: No information available

Hazardous combustion products: Hazardous decomposition products formed under fire conditions- Carbon oxides, and other potentially hazardous compounds

Unusual Fire or Explosion Hazards: Sulfur dioxide gas evolves at a rate which increases with temperature- complete decomposition at 302°F

Special protective equipment/precautions: Wear self-contained breathing apparatus

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective equipment, emergency procedures: Avoid contact with the material. See section 8 of SDS for PPE recommendations

Environmental Precautions: Keep runoff from entering drains or waterways

Spill/Leak procedures: Wear appropriate protective gear! Contain spill or leak. Dike area if necessary to prevent spill from spreading or entering sewers and waterways. Recover as much as possible then absorb remainder with inert material. Place into a closed container.

Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1910.120)

7 HANDLING AND STORAGE

Handling Precautions: Avoid contact with eyes, skin, or clothing. Do not taste or swallow. Do not inhale vapor or mist. Use with adequate ventilation. For industrial use only!

Storage Requirements: Keep away from children. Store in closed containers away from temperature extremes and incompatible materials. Store in properly labeled containers in accordance with all local, state and federal guidelines.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Provide local exhaust ventilation as needed to control vapors or misting.

Personal Protective Equipment: Respiratory protection: If needed use MSHA/NIOSH approved respirator. Seek professional advice prior to respirator selection and use. Follow all requirements of OSHA respirator regulations (29 CFR 1910.134)
Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.
General Hygiene: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, using the toilet, or applying cosmetics.
PPE recommendation is advisory only and based on typical use conditions. An industrial hygienist or safety officer familiar with the specific situation of anticipated use must determine actual PPE required when using this product (29 CFR 1910.132)

Exposure Limits:	Sodium Meta Bisulfite	Sulfur Dioxide Gas
NIOSH REL:	TWA 5 mg/m^3	TWA 5 mg/m^3 (may be released)

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, colorless to light pink		
Physical State:	Liquid	**Odor:**	Pungent
Odor Threshold:	Not determined	**Solubility:**	Complete in water
Spec Grav./Density:	1.16 / 9.69 lb/gal	**Freezing/Melting Pt.:**	-4°C / 24°F
Viscosity:	Not determined	**Flash Point:**	>93°C / > 200°F
Boiling Point:	Not determined	**Vapor Density:**	Same as water
Partition Coefficient:	Not determined	**Auto-Ignition Temp:**	Not determined
Vapor Pressure:	Same as water	**UFL/LFL:**	Not determined
pH:	3.9		
Evap. Rate:	Not determined		
Decomp Temp:	150°C / 302°F		

10 STABILITY AND REACTIVITY

Chemical Stability: Product is stable under normal storage and use conditions.
Conditions to Avoid: Keep container closed when not in use. Keep away from strong acids.
Materials to Avoid: Strong oxidizing agents, strong alkalis, strong acids. Liberates sulfur dioxide in the presence of strong acids or high temperatures.
Hazardous Decomposition: Thermal decomposition may produce carbon oxides and other toxic compounds.
Hazardous Polymerization: Will not occur.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity: No data available
Skin Corrosion/Irritation: Irritating
Serious eye damage/irritation: May cause eye damage
Respiratory or skin sensitization: No data available
Specific target organ toxicity (single exposure): No data available
Specific target organ toxicity (repeated exposure): No data available
Aspiration hazard: No data available
Carcinogenicity: No carcinogenic effects are known for the components of this product
Germ Cell Mutagenicity: No mutagenic effects are known for the components of this product
Teratogenicity: No teratogenic effects are known for the components of this product

12 ECOLOGICAL INFORMATION

Aquatic Toxicity No data available
Elimination (persistency & degradability): No data available
Bioaccumulative potential: No data available
Mobility in soil: No data available
Other adverse effects: No data available

13 DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations.

This material should be fully characterized for toxicity and possible reactivity prior to disposal (40 CFR 261). Use which results in chemical or physical change or contamination may subject it to regulation as a hazardous waste. Along with properly characterizing all waste materials, consult state and local regulations regarding the proper disposal of this material.

Container contents should be completely used and containers should be emptied prior to discard. Container rinsate could be considered a RCRA hazardous waste and must be disposed of with care and in full compliance with federal, state and local regulations. Larger empty containers, such as drums, should be returned to the distributor or to a drum reconditioner. To assure proper disposal of smaller empty containers, consult with state and local regulations and disposal authorities.

14 TRANSPORT INFORMATION

Proper Shipping Name: Non Regulated

15 REGULATORY INFORMATION

Component (CAS#) [%] - CODES

Sodium metabisulfite (7681-57-4) [20-30] MASS, OSHAWAC, PA, TSCA, TXAIR
This product does not contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

Regulatory CODE Descriptions

MASS = MA Massachusetts Hazardous Substances List
OSHAWAC = OSHA Workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
TSCA = Toxic Substances Control Act
TXAIR = TX Air Contaminants with Health Effects Screening Level

TSCA: All components of this product are listed (or are not required to be listed) in the TSCA inventory
EPA / CERCLA / SARA TITLE III:
CERCLA List: This product does not contain any CERCLA listed hazardous substances.
Toxic Chemical List (SARA 313): This product does not contain any chemicals subject to routine annual toxic chemical release reporting.
Extremely Hazardous Substance (SARA 302/304): This product does not contain any extremely hazardous substances subject to emergency planning requirements.
SARA 312: Acute
RCRA: No data available

16 OTHER INFORMATION

PPE

Author: U.S. Water, a Kurita company

Revision Notes: Updated to GHS format

Disclaimer:
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