

BWT 105L**1****PRODUCT AND COMPANY IDENTIFICATION**

Product Identifier: BWT 105L
Common Name: Mixture
SDS Number: 0170
Product Code: BT0084
Revision Date: 9/18/2018
Version: 2
Product Use: Boiler Water Treatment

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

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

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US & Canada: 800-255-3924
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2**HAZARDS IDENTIFICATION****Classification of the Substance or Mixture****GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):**

Health, Serious Eye Damage/Eye Irritation, 2 B
Health, Acute toxicity, 5 Oral
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:

H320 - Causes eye irritation
H303 - May be harmful if swallowed
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.

BWT 105L**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

Chemical Ingredients		
CAS#	%	Chemical Name
7681-57-4	20-30%	Sodium metabisulfite
89-65-6	1-2%	Erythorbic Acid

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 swallowed, give large quantities of water to drink. If available give several glasses of milk. DO NOT induce vomiting. After first aid, IMMEDIATELY seek appropriate in-plant, paramedic, or community medical support. Never give anything by mouth to an unconscious person.
- 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

- Flash Point:** None
- Burning Rate:** No data available
- Autoignition Temp:** Does not burn
- LEL:** Not applicable
- UEL:** Not determined.

Extinguishing Media:

Suitable: Water fog, Alcohol foam, Carbon Dioxide, Dry Chemical

Unsuitable: No information available

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

Unusual Fire or Explosion Hazards: None known other than material can splatter above 100°C

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

BWT 105L**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: 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 closed container for disposal.

Regulatory Requirements: Dispose of recovered material in accordance with all applicable state and federal regulations.

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 misting.

Personal Protective Equipment: HMIS PP, C | Safety Glasses, Gloves, Apron

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 MetaBisulfite**
NIOSH REL: TWA 5 mg/m³

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear

Physical State: Liquid

Odor Threshold: Not determined

Spec Grav./Density: 10.51 lb/gal

Viscosity: Not determined

Boiling Point: 100°C / 212°F

Partition Coefficient: Not determined

Coefficient:

Vapor Pressure: Same as water

Odor: Sulfur Dioxide

Solubility: Complete in water

Percent Volatile: ~80%

Freezing/Melting Pt.: -9°C / 15°F

Flash Point: None

Vapor Density: Same as water

Auto-Ignition Temp: Not determined

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pH:	7-8	UFL/LFL:	Not determined
Evap. Rate:	1.00		
Decomp Temp:	Not determined		

10**STABILITY AND REACTIVITY**

Chemical Stability:	Product is stable under normal storage and use conditions.
Conditions to Avoid:	Avoid temperature extremes. Protect from freezing
Materials to Avoid:	Strong acids, Leather, Wool, Aluminum, Zinc, Tin, and alloys, Oxidizers or any other type of reactive material.
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:	Skin Irritant
Serious eye damage/irritation:	No data available
Respiratory or skin sensitization:	Might produce irritation to respiratory system
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 (persistence & 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.

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14 **TRANSPORT INFORMATION**

Proper Shipping Name: Non-regulated

DOT Transportation data (49 CFR 172.101)

15 **REGULATORY INFORMATION**

Component (CAS#) [%] - CODES

 Sodium metabisulfite (7681-57-4) [20-30%] MASS, OSHAWAC, PA, TSCA, TXAIR

Erythorbic Acid (89-65-6) [1-2%] TSCA

Regulatory CODE Descriptions

- **MASS = MA** Massachusetts Hazardous Substances List
OSHA WAC = OSHA Workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
TSCA = 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:

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

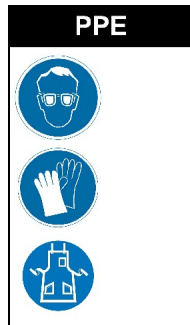
RCRA: No data available

16 **OTHER INFORMATION**

HMIS III: Health = 2, Fire = 0, Physical Hazard = 0

HMIS PPE: C - Safety Glasses, Gloves, Apron

HMIS	
HEALTH	<input type="checkbox"/> 2
FLAMMABILITY	<input type="checkbox"/> 0
PHYSICAL HAZARD	<input type="checkbox"/> 0
PERSONAL PROTECTION	<input type="checkbox"/> C



Author: U.S. Water Services

Revision Notes: Updated to GHS format

Disclaimer:

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