

BWT 101**1 PRODUCT AND COMPANY IDENTIFICATION**

Product Identifier: BWT 101
Common Name: Mixture
SDS Number: 0410
Revision Date: 3/31/2015
Version: 3
Internal ID: 201J
Product Use: 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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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, Skin corrosion/irritation, 3
Health, Acute toxicity, 4 Oral
Health, Specific target organ toxicity - Single exposure, 3
Health, Specific target organ toxicity - Repeated exposure, 2
Health, Carcinogenicity, 2
Health, Respiratory sensitization, 1 B

GHS Label elements, including precautionary statements

GHS Signal Word: **DANGER**

GHS Hazard Pictograms:

**GHS Hazard Statements:**

H320 - Causes eye irritation
H316 - Causes mild skin irritation
H302 - Harmful if swallowed
H335 - May cause respiratory irritation
H373 - May cause damage to organs through prolonged or repeated exposure
H351 - Suspected of causing cancer
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

BWT 101**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.
- P314 - Get Medical advice/attention if you feel unwell.
- P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention.
- P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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 ON INGREDIENTS**Ingredients:**

Cas#	%	Chemical Name
7757-83-7	92-97	Sodium sulfite
10124-43-3	0.2%	Cobalt(II) sulfate (1:1)
7681-57-4	1-5%	Sodium metabisulfite

4 FIRST AID MEASURES

- Inhalation:** Remove from contamination. If person has stopped breathing administer artificial respiration. Seek medical attention.
- Skin Contact:** Wash off with soap and plenty of water. Remove contaminated garments and wash or destroy. Seek medical attention if irritation develops. Consult a physician if irritation develops.
- Eye Contact:** Flush eyes with plenty of running water for 15 minutes. Seek medical attention.
- 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: No data available
Special treatment needs: No data available

5 FIRE FIGHTING MEASURES

- Flammability:** Not flammable
- Flash Point:** None
- Flash Point Method:** Not applicable
- Burning Rate:** No data available

BWT 101**Extinguishing Media:**

Suitable: Use extinguishing media suitable for surrounding fire.

Unsuitable: No information available

Hazardous combustion products: Thermal decomposition and burning may produce SO₂, CO₂, and other potentially hazardous compounds.

Unusual Fire or Explosion Hazards: Sodium sulfide residue after decomposition is a serious risk. Contact with water liberates hazardous gas.

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: 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, J | Splash Goggles, Gloves, Apron, Dust and Vapor Resp

Respiratory protection: If needed use MSHA/NIOSH approved respirator for dusts and mists. 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 sulfite Cobalt sulfate Sulfur Dioxide

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OSHA (TWA)/PEL:	NE	0.1 mg/m ³ (as Co)	5ppm
NIOSH (TWA/REL):	5 mg/m ³	0.05 mg/m ³ (as Co)	2ppm
ACGIH (TWA/TLV):	NE	NE	NE

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White to pink	Odor:	Slight Sulfur dioxide odor
Physical State:	Free-flowing powder	Solubility:	250g/L @ 20°C
Odor Threshold:	Not determined	Freezing/Melting Pt.:	Not determined
Spec Grav./Density:	Not determined	Vapor Density:	Not determined
Viscosity:	Not determined	Bulk Density:	13.10 lb/gal
Boiling Point:	Not determined	Auto-Ignition Temp:	Not determined
Flammability:	Nonflammable	UFL/LFL:	Not determined
Partition Coefficient:	Not determined		
Vapor Pressure:	Not determined		
pH:	8.0-8.4		
Evap. Rate:	Not determined		
Decomp Temp:	Not determined		

10 STABILITY AND REACTIVITY

Stability:	Product is stable under normal storage and use conditions.
Conditions to Avoid:	Avoid temperature extremes. Protect from freezing. Keep container closed when not in use.
Materials to Avoid:	Strong acids, strong oxidizers, leather, wool, aluminum, zinc, tin and their alloys.
Hazardous Decomposition:	Thermal decomposition may produce oxides of sulfur.
Hazardous Polymerization:	Will not occur.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	Oral LD ₅₀ (mouse) 820 mg/kg; (rat) >2,000 mg/kg
Skin Corrosion/Irritation:	Not an irritant.
Serious eye damage/irritation:	Moderate eye irritation.
Respiratory or skin sensitization:	Respiratory sensitization.
Specific target organ toxicity (single exposure):	No data available
Specific target organ toxicity (repeated exposure):	No data available
Aspiration hazard:	No data available
Carcinogenicity:	Product contains a low concentration of cobalt sulfate, a known allergen and a possible carcinogen. In vitro tests showed mutagenic effects.
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

BWT 101**12 ECOLOGICAL INFORMATION****Aquatic Toxicity**

Carassius auratus (goldfish), LD₅₀,96 h, 100 mg/L

Elimination (persistence & degradability): Abiotic degradation - No data available
Biodegradation - Biochemical Oxygen Demand
Remarks: instantaneous reaction

Bioaccumulative potential: Bioaccumulative potential

Mobility in soil: No data available

Other adverse effects: No data available

Remarks: Oxygen Scavenger
Ecological injuries are not known or expected under normal use

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

DOT Transportation data (49 CFR 172.101)

15 REGULATORY INFORMATION**Component (CAS#) [%] - CODES**

Sodium sulfite (7757-83-7) [92-97] TSCA

Cobalt(II) sulfate (1:1) (10124-43-3) [0.2%] PROP65, TSCA

Sodium metabisulfite (7681-57-4) [1-5%] MASS, OSHAWAC, PA, TSCA, TXAIR

Regulatory CODE Descriptions

TSCA = Toxic Substances Control Act

PROP65 = CA Prop 65

MASS = MA Massachusetts Hazardous Substances List

OSHAWAC = OSHA Workplace Air Contaminants

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PA = PA Right-To-Know List of Hazardous Substances

TXAIR = TX Air Contaminants with Health Effects Screening Level

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 311/312: Acute, Chronic

California Proposition 65: This product contains cobalt sulfate which is known to the state of California to cause cancer, birth defects, or any other reproductive harm.

RCRA: No data available

16**OTHER INFORMATION**

HMIS III: Health = 2(Chronic), Fire = 0, Physical Hazard = 1

HMIS PPE: J - Splash Goggles, Gloves, Apron, Dust and Vapor Respirator

HMIS	
HEALTH	<input checked="" type="checkbox"/> 2
FLAMMABILITY	0
PHYSICAL HAZARD	1
PERSONAL PROTECTION	J

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Revision Notes: Updated to GHS format

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