

**BWT 2751****1****PRODUCT AND COMPANY IDENTIFICATION**

**Product Identifier:** BWT 2751  
**Common Name:** Mixture  
**SDS Number:** 0044  
**Product Code:** BT0018  
**Revision Date:** 10/3/2018  
**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  
**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, Skin corrosion/irritation, 3  
Health, Serious Eye Damage/Eye Irritation, 2 B

**GHS Label Elements, Including Precautionary Statements****GHS Signal Word:** **WARNING****GHS Hazard Pictograms:**

No GHS pictograms indicated for this product

**GHS Hazard Statements:**

H316 - Causes mild skin irritation  
H320 - Causes eye irritation

**GHS Precautionary Statements:**

P102 - Keep out of reach of children.  
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P304+341 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

**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

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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
1310-58-3	1-10%	Potassium hydroxide
9003-04-7	10-20%	2-Propenoic acid, homopolymer, sodium salt

**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**

**Flammability:** Not flammable

**Flash Point:** >100°C / >212°F

**Flash Point Method:** Pensky Martens Closed cup

**Burning Rate:** No data available

**Autoignition Temp:** No data available

**LEL:** Not applicable

**UEL:** Not applicable

**Extinguishing Media:**

**Suitable:** Use extinguishing media suitable for surrounding fire.

**Unsuitable:** No information available

**Hazardous combustion products:** Thermal decomposition and burning may produce carbon monoxide, carbon dioxide, or other toxic by products.

**Unusual Fire or Explosion Hazards:** Dried material may burn.

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

**BWT 2751****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:** Spill area may be slippery. 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. After spill is collected neutralize area with diluted inorganic acid. 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 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:** **Potassium Hydroxide**  
**OSHA (TWA)/PEL:** 2mg/m<sup>3</sup>  
**ACGIH (TWA/TLV):** 2mg/m<sup>3</sup>

**BWT 2751****9****PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Clear, brown	<b>Odor:</b>	No appreciable odor
<b>Physical State:</b>	Liquid	<b>Solubility:</b>	Complete in water
<b>Odor Threshold:</b>	Not determined	<b>Freezing/Melting Pt.:</b>	0°C / 32°F
<b>Spec Grav./Density:</b>	1.09 / 9.12 lb/gal	<b>Flash Point:</b>	None
<b>Viscosity:</b>	Not determined	<b>Vapor Density:</b>	Same as water
<b>Boiling Point:</b>	Not determined	<b>Auto-Ignition Temp:</b>	Not determined
<b>Partition Coefficient:</b>	Not determined		
<b>Vapor Pressure:</b>	Same as water	<b>UFL/LFL:</b>	Not determined
<b>pH:</b>	10		
<b>Evap. Rate:</b>	Not determined		
<b>Decomp Temp:</b>	Not determined		

**10****STABILITY AND REACTIVITY**

<b>Chemical Stability:</b>	Product is stable under normal storage and use conditions.
<b>Conditions to Avoid:</b>	Keep container closed with not in use. Avoid temperature extremes. Protect from freezing.
<b>Materials to Avoid:</b>	Strong Oxidizing Agents.
<b>Hazardous Decomposition:</b>	Thermal decomposition may produce carbon oxides and other toxic compounds.
<b>Hazardous Polymerization:</b>	Will not occur.

**11****TOXICOLOGICAL INFORMATION**

**Acute Toxicity:** No data available  
**Skin Corrosion/Irritation:** No data available  
**Serious eye damage/irritation:** No data available  
**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** (persistence & degradability): No data available  
**Bioaccumulative potential:** No data available  
**Mobility in soil:** No data available  
**Other adverse effects:** No data available

**BWT 2751****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**

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**RQ(1000LBS), Potassium hydroxide (1310-58-3) [1-10%] CERCLA, CSWHS, MASS, OSHAWAC, PA, TSCA, TXAIR**

**2-Propenoic acid, homopolymer, sodium salt (9003-04-7) [10-20%] TSCA**

**Regulatory CODE Descriptions**

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**RQ = Reportable Quantity**  
**CERCLA = Superfund clean up substance**  
**CSWHS = Clean Water Act Hazardous substances**  
**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:**

**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:** No data available

**RCRA:** No data available

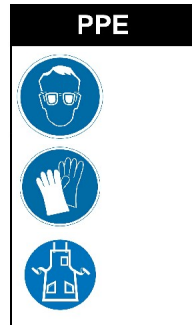
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**OTHER INFORMATION**

**HMIS III:** Health = 1, Fire = 0, Physical Hazard = 0

**HMIS PPE:** C - Safety Glasses, Gloves, Apron

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



**Author:** U.S. Water Services

**Revision Notes:** Updated to GHS format

**Disclaimer:**

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Revision Date: 10/3/2018