

# SAFETY DATA SHEET

## BWT-20

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### 1. Product and Manufacturer Identification

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**Product Name:** BWT-20

**Manufacturer:** Apollo Technologies, Inc.  
31441 Santa Margarita Parkway, Suite A-219  
Rancho Santa Margarita, Ca. 92688

For more information call: (949) 888-0573

**In case of emergency call:**  
(24 hours per day, 7 days per week)  
Chem-Tel (800) 255-3924  
Contract # MIS0000451

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### 2. Hazards Identification

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Signal word: Caution

Hazard statement(s)

H302 Harmful if swallowed

H319 Causes serious eye irritation

H315 Causes skin irritation

H412 Harmful to aquatic organisms and may cause long-term adverse effects in the aquatic environment

Precautionary statement(s)

P102 Keep out of the reach of children

P234 Keep in original container

P305+P351+P338 IF IN EYES; Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing

P301+330+331+315 IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Get immediate medical attention.

ROUTES OF EXPOSURE: Dermal, oral

Potential Health Hazards

Mist and solutions will cause mild to severe skin and/or eye irritation.

Inhalation: Will cause irritation to the respiratory tract.

Ingestion: Will irritate the gastrointestinal tract.

Eyes: Will cause irritation and possibly severe burns to the eyes. Corrosive to the eyes. May cause blindness.

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**3. Composition- Ingredients**

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<b>INGREDIENT NAME</b>	<b>CAS NUMBER</b>
Polyacrylic acid	proprietary
Potassium Hydroxide	1310-58-3
1-Hydroxyethylidene-1, 1-diphosphonic acid	2809-21-4

The exact chemical concentrations for all ingredients are considered a trade secret

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**4. First Aid Measures**

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**Skin:** Immediately wash skin with soap and water.

**Eyes:** Flush eyes immediately with water for at least 15 minutes. Hold the lids back and allow water to thoroughly irrigate the eye. Seek prompt medical attention.

**Inhalation:** Remove to fresh air immediately.

**Ingestion:** Do NOT induce vomiting. If the person is conscious, give plenty of milk or water. Get immediate medical attention. The formula will cause burns if ingested.

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**5. Fire Fighting Measures**

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**Flammable Properties**

**Flash Point:** Not Flammable but can react with certain metals to produce Hydrogen gas.

**Auto ignition temperature:** Not Applicable

**Extinguishing Media:**

Material is not flammable. Use extinguishing media appropriate for surrounding fire.

Water may react and produce heat.

**Unusual Fire and Explosion Hazards:** None

**Special Fire Fighting Measures:** Wear NIOSH approved breathing apparatus. Use water spray to keep containers cool.

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### 6. Accidental Release Measures

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**In case of spill or other material release: Promptly dike spill. Wear appropriate personal protective equipment. Avoid unnecessary exposure. Do not allow to enter waterways or sewer system. Spills above the reportable quantity must be reported to the Coast Guard.**

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### 7. Handling and Storage

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**Normal Handling: Avoid contact with eyes, skin and clothing. Do not eat or drink in the material handling and storage area. Practice good personal hygiene and housekeeping. Wear goggles and rubber gloves while handling material.**

**Storage Recommendations: Store in a cool, well ventilated area away from acids.**

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### 8. Exposure Controls/ Personal Protective Equipment

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**Engineering Controls: Do not handle within an unventilated space.**

**Occupational Exposure Limits:**

ACGIH TLV	2 mg/m <sup>3</sup> (STEL)
OSHA PEL	2 mg/m <sup>3</sup> 8 hr. TWA, 2 mg/m <sup>3</sup> (ceiling) STEL

**Personal Protective Equipment**

**Skin Protection: To handle material, wear a rubber apron, boots and Nitrile rubber gloves.**

**Eye Protection: Wear chemical safety goggles. Do not wear contact lenses or impact resistant safety glasses. A face shield will provide additional protection.**

**Respiratory Protection: Use a NIOSH approved respirator if misting. Do not inhale vapor or mists.**

**An eye wash and safety shower is also required.**

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### 9. Physical and Chemical Properties

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<b>Appearance:</b>	<b>Water white to clear</b>
<b>Physical State:</b>	<b>Liquid</b>
<b>Odor:</b>	<b>Odorless</b>
<b>Density:</b>	<b>8.5-8.7 pounds per gallon</b>
<b>Boiling Point:</b>	<b>212F</b>
<b>pH</b>	<b>10.0</b>
<b>VOC content</b>	<b>0%</b>

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### 10. Stability and Reactivity

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**Normally Stable. Store in a cool, dry place.**

**Incompatibilities: Strong Oxidizers, Ammonia, organic halogen compounds, nitro compounds, acids and metals such as Zinc, Magnesium and Aluminum.**

**Hazardous Decomposition Products: Sodium Oxide, CO, CO<sub>2</sub> and oxides of Nitrogen. Decomposition caused by exposure to incompatible metals will release flammable and explosive hydrogen gas.**

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### 11. Toxicological Information

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**Dermal- rabbit LD 50**

**Corrosive**

**Target organs are the eyes, skin and mucous membranes. This mixture is corrosive and may cause severe eye, skin, respiratory and upper gastrointestinal tract irritation.**

**This material is a hazardous chemical as defined under the Hazard Communication Standard (29 CFR 1910.1200).**

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### 12. Ecological Information

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**N/A**

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### 13. Disposal Considerations

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**RCRA: This material is not a listed hazardous waste. Dispose of in accordance with federal, state and local regulations.**

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**14. Transport Information**

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**US DOT: Not regulated**

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**15. Regulatory Information**

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**Toxic Substances Control Act**

**TSCA: This material is listed on the TSCA Inventory of Chemical Substances.**

**SARA Title III/CERCLA**

**SARA Section 302 Extremely Hazardous Substances: None**

**SARA 311/312 Acute-Yes/ Chronic –No**

**SARA 313 Toxic Chemicals: None**

**State Right to Know Lists**

**No other substances are present in addition to the ingredients listed in section 2.**

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**16. Other Information**

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<b>NFPA Rating:</b>	<b><u>Health</u></b>	<b><u>Fire</u></b>	<b><u>Reactivity</u></b>	<b><u>Additional Information</u></b>
	<b>2</b>	<b>0</b>	<b>1</b>	<b>D= safety goggles, gloves, apron and respirator</b>

**Label information: Caution**

**Current Issue Date: May 25, 2012**

**Revision Date: May 25, 2014 unless otherwise noted**