

**Material Safety Data Sheet**  
(WAM B-402)



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Revision Date: March 7, 2006  
INFOTRAC: 800-535-5053  
Product Number: WBWT4BF-SF  
Control Number:

**PO Box 1700**  
**Snohomish, WA USA 98291**

**Emergency Phone Number:**  
**(800) 535-5053**

**SECTION I - IDENTIFICATION**

Product Name: WAM B-402  
Synonyms: Boiler Water Softening Agent  
Formula: Proprietary  
Product Description: Boiler Treatment

**SECTION II - HAZARDOUS INGREDIENTS**

Hazardous Ingredient	Percent	CAS Number	PEL
Sodium Hexametaphosphate	>1.0%	68915-31-1	15mg/m <sup>3</sup> (total dust) 8-hr TWA, 5 mg/m <sup>3</sup> (respirable) 8-hr TWA

**SECTION III - PHYSICAL/CHEMICAL DATA**

Form: Liquid  
Color: Colorless  
Odor: No odor  
Freeze Point: Not established  
Melting Point: Not established  
Specific Gravity: 1.207  
Density lb./gal (kg/L): 10.07 (1.21)  
pH(neat): NDA  
pH(1% solution): 6.5 to 7.5  
Solubility in Water: Complete  
Volatility including Water: >50%  
Molecular Weight: Blend

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### SECTION IV – FIRE AND EXPLOSION DATA

Flashpoint: Not combustible  
Autoignition: Neither flammable nor explosive  
Flammable Limits: Not flammable  
Lower Flammability Limit (In Air, %):.....None  
Upper Flammability Limit (In Air, %): .....None  
Explosion Limits: Neither reactive nor explosive  
Lower Explosion Limit (In Air, %):Neither reactive nor explosive  
Upper Explosion Limit (In Air, %):Neither reactive nor explosive  
Extinguishing Media: Use media appropriate for surrounding materials.  
Hazardous Combustion Products: Not applicable  
Unusual Fire and Explosion Hazards: .....None known

### SECTION V – REACTIVITY DATA

Stability: Solutions of this product will hydrolyze to form ortho phosphate and other shorter chain phosphates. Dissolution is impacted by temperature and pH of the system.  
Hazardous Polymerization: Will not occur  
Hazardous Decomposition Products: .....None known

### SECTION VI – HEALTH DATA

Threshold Limit Value: 10 mg/m<sup>3</sup> (inhalable) 8-hr TWA, 3 mg/m<sup>3</sup> (respirable) 8-hr TWA (If dried)  
OSHA PEL: 15mg/m<sup>3</sup> (total dust) 8-hr TWA, 5 mg/m<sup>3</sup> (respirable) 8-hr TWA (If dried)  
Inhalation: Inhalation of the dust may cause coughing and sneezing (If dried).  
Ingestion: Not toxic if swallowed based on toxicity studies. No significant adverse healthy effects are expected if only small amounts (less than a mouthful) are swallowed.  
Eyes: No more than slightly irritating based on toxicity studies.  
Skin (Dermal): No more than slightly toxic or slightly irritating based on toxicity studies. Prolonged contact may cause drying or chapping of the skin.

### SECTION VII – FIRST AID

Breathing (Inhalation): If inhaled, immediate first aid is not likely to be required. However, if symptoms occur, remove to fresh air.  
Swallowing (Ingestion): If swallowed, immediate first aid is not likely to be required. A physician or Poison Control Center can be contacted for advice.  
Eyes: If in eyes, immediate first aid is not likely to be required. However, this material can be removed with water. Remove the material from eyes.

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Skin (Dermal): If on skin, immediate first aid is not likely to be required. However, this material can be removed with water. Remove material from skin and clothing. Wash heavily contaminated clothing before reuse.

### SECTION VIII – EMPLOYEE PROTECTION

Respiratory Protection: Avoid breathing mist. Use NIOSH/ MSHA approved respiratory protection equipment when airborne exposure limits are exceeded. Consult the respirator manufacturer to determine appropriate type equipment for a given application. Observe respirator use limitations specified by NIOSH/MSHA or the manufacturer. Respiratory protection programs must comply with 29 C.F.R. 1910.134.

Eye Protection: This product does not cause significant eye irritation or eye toxicity requiring special protection. Use good industrial practice to avoid eye contact.

Ventilation Requirements: Provide natural or mechanical ventilation to control exposure levels below airborne exposure limits. The use of local mechanical exhaust ventilation is preferred at sources of air contamination such as open process equipment.

### SECTION IX – SPILL AND DISPOSAL DATA

Spill: In case of spill, mop, scoop or vacuum and remove. Flush residual spill area with water.

Waste Disposal: Material may be landfilled or recycled in accordance with local, state and federal regulations. Consult your attorney or appropriate regulatory officials for information on such disposal.

RCRA Status: This material when discarded is not a hazardous waste as that term is defined by the Resource, Conservation and Recovery Act (RCRA, 40 CFR 261).

### SECTION X – TRANSPORTATION DATA

DOT Shipping Name: Industrial Process Compound, Water Treating, Liquid

DOT Hazard Label(s): Not regulated for transport

DOT Hazard Placard(s): None; Not regulated for transport

DOT Hazard Class: None; Not regulated for transport

UN/NA Number: None

Packaging Group: None

Reportable Quantity: None

Emergency Response Guide Number:.....Not Applicable

### SECTION XI – OTHER REGULATORY INFORMATION

TSCA Status: Listed

SARA Section 302: N/A

Sara Section 313: N/A

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FDA: Acceptable for use in food processing plants as determined in 21CFR Section 173.310, Food and Drug.  
USDA: This product is constructed with materials previously authorized by the USDA for use in federally inspected meat and poultry plants.  
HMIS Health: 1  
HMIS Flammability: 0  
HMIS Reactivity: 0  
HMIS Personal Protection: C

### SECTION XII – HANDLING AND STORAGE

Storage Requirements: Store in a cool, dry place to maintain product performance.  
Handling Procedure: Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of material from eyes, skin and clothing.  
Conditions to avoid: High temperatures. Moisture.

### SECTION XIII – TOXICOLOGICAL AND ECOLOGICAL INFORMATION

Toxicity: No data available  
Aquatic Toxicity Study: No data available

### SECTION XIV – ADDITIONAL INFORMATION

Additional: This product is NOT listed in Proposition 65, California Safe Drinking Water and Toxic Enforcement Act of 1986.

#### ABBREVIATIONS

**ACGIH**=American Conference of Governmental Industrial Hygienists  
**OSHA**=Occupational Safety and Health Administration  
**TLV**=Threshold Limit Value  
**PEL**=Permissible Exposure Limit  
**TWA**=Time Weighted Average  
**STEL**=Short-Term Exposure Limit

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