

**Material Safety Data Sheet**  
(WAM B-702)



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INFOTRAC: 800-535-5053  
Product Number: WBWT7AB-SF  
Control Number:

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

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

**SECTION I - IDENTIFICATION**

Product Name: WAM B-702  
Synonyms: Boiler Water Alkalinity Builder  
Chemical Family: Caustic Alkali  
Formula: Proprietary  
Product Description: Boiler Treatment

**SECTION II - HAZARDOUS INGREDIENTS**

Hazardous Ingredient	Percent	CAS Number	PEL
Sodium Hydroxide	25 - 50	1310-73-2	2 mg/M <sup>3</sup> TWA

**SECTION III - PHYSICAL/CHEMICAL DATA**

Form: Liquid  
Color: Colorless  
Odor: No appreciable odor  
Boiling Point: >212 °F  
Freeze Point: <0 °F  
Melting Point: Not established  
Vapor Density (Air=1): Not established  
Specific Gravity: 1.312  
Density lb./gal (kg/L): 10.90 (1.31)  
pH(neat): > 13  
pH(1% solution): 12.3 to 13.3  
Solubility in Water: 100%  
Evaporation Rate: Not applicable  
Volatility including Water: 50 - 75

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Molecular Weight: No data available

### SECTION IV – FIRE AND EXPLOSION DATA

Flashpoint: Neither flammable nor explosive  
Autoignition: Neither flammable nor explosive  
Flammable Limits: Neither flammable nor explosive  
Lower Flammability Limit (In Air, %):.....Neither flammable nor explosive  
Upper Flammability Limit (In Air, %): .....Neither flammable nor explosive  
Explosion Limits: Neither flammable nor explosive  
Lower Explosion Limit (In Air, %):Neither flammable nor explosive  
Upper Explosion Limit (In Air, %):Neither flammable nor explosive  
Extinguishing Media: Water fog or spray, Foam, Dry Powder, Carbon Dioxide (CO<sub>2</sub>).  
Hazardous Combustion Products: No data available  
Special Fire Fighting Procedures: Not flammable. Cool exposed tanks with water to prevent rupture.  
Wear protective clothing including full face protection, rubber gloves, rubber boots and rubber rain gear.  
Unusual Fire and Explosion Hazards: .....Direct contact with water can cause a violent exothermic reaction. It reacts violently with acids or organic halogen compounds, and metals such as zinc, tin, and aluminum giving off highly flammable and explosive hydrogen gas.

### SECTION V – REACTIVITY DATA

Stability: Stable under normal conditions.  
Hazardous Polymerization: Hazardous polymerization does not occur.  
Hazardous Decomposition Products: .....None known

### SECTION VI – HEALTH DATA

Threshold Limit Value: 2 mg/M<sup>3</sup>  
OSHA PEL: 2.0 mg/M<sup>3</sup> TWA  
Listed Carcinogen: This product contains no known or suspected carcinogens.  
Medical Conditions Aggravated by Overexposure: .....Human Dermal Exposure: regardless of concentrations, the severity of damage and the extent of its irreversibility increases with the length of contact time. Prolonged contact with sodium hydroxide solutions of greater than 1% concentration can cause a high degree of tissue destruction. The latent period, following skin contact during which no sensation of irritation occurs, varies from several hours for a 0.4 to 4.0% active solution to 3 minutes for concentrations of 25% or higher.  
Inhalation: Breathing mist or spray may cause damage to the upper respiratory tract and lung tissue.  
Ingestion: Causes severe burns to mucous membranes of the mouth, throat, esophagus, and stomach.

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Eyes: Causes eye burns  
Skin (Dermal): Causes severe burns with deep ulceration.

### SECTION VII – FIRST AID

Breathing (Inhalation): Immediate first aid is not likely to be required. If irritation occurs, remove to fresh air. Immediately remove material from eyes, skin and clothing.

Swallowing (Ingestion): If person is conscious, give large quantities of water to drink. Do not induce vomiting. Call a physician.

Eyes: Immediately flush with copious amounts of water for at least 15 minutes, seek medical attention.

Skin (Dermal): Immediately wash the affected area with soap and water as a precaution. Get medical if skin irritation persists.

Note to Physician: Treat symptomatically and supportively.

### SECTION VIII – EMPLOYEE PROTECTION

Respiratory Protection: NIOSH approved respirator

Eye Protection: Chemical goggles, faceshield

Protective Gloves: Neoprene, rubber, or PVC gloves with gauntlets.

Protective Clothing: Neoprene, rubber or PVC boots and rain suit.

Ventilation Requirements: Adequate ventilation must be provided to maintain air concentration below the OSHA PEL.

Work/Hygiene Practices: Emergency eye wash and safety showers for first aid treatment of potential chemical burns should be available in the vicinity of significant exposure from caustic release. Avoid contact with skin and breathing vapor. Do not eat, drink, or smoke in the work area. Wash hands thoroughly after handling, especially before eating, drinking, smoking, chewing, or using restroom facility.

### SECTION IX – SPILL AND DISPOSAL DATA

Spill: Stop the source of the leak. Contain the spilled material with dikes, sandbags, and prevent run-off into surface waters or sewers. Clean or recover as much material as possible by using a vacuum or pump. Neutralize any remaining traces of material with any dilute inorganic acid such as hydrochloric, sulfuric, phosphoric, or acetic acid. The spill area should then be flushed with water followed by covering with sodium bicarbonate. Spills on dirt or sandy ground may be handled by removing the affected soils and placing them in approved containers. All clean-up material should be placed in approved containers, labeled and stored in a safe place prior to treatment or disposal. Caution: strong alkaline solutions may react violently with acids and water.

Waste Disposal: Hazardous Waste. Follow Federal and State Regulations.

RCRA Status: If disposed of in its purchased form, this product will have a RCRA hazardous waste D002 by characteristic. Under RCRA, it is the responsibility of the product user to determine at the time of disposal

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whether a material containing the product or derived from the product should be classified as a hazardous waste (40 CFR 261.20-24).

### SECTION X – TRANSPORTATION DATA

DOT Shipping Name: Corrosive Liquids, n.o.s. (contains Sodium Hydroxide) 8, UN1760  
PGII  
DOT Hazard Label(s): Corrosive  
DOT Hazard Placard(s): Corrosive  
DOT Hazard Class: 8  
UN/NA Number: UN1760  
Packaging Group: III  
Reportable Quantity: 1000 lb.  
Emergency Response Guide Number:.....154

### SECTION XI – OTHER REGULATORY INFORMATION

TSCA Status: All components listed in TSCA inventory.  
SARA Section 302: Reportable quantity of extremely hazardous substance: not listed.  
Threshold planning quantity, extremely hazardous substance: not listed.  
SARA Section 311: Acute Health Hazard; Reactive Hazard.  
SARA Section 312: Acute Health Hazard; Reactive Hazard  
Sara Section 313: Category as required by Sec. 313 (40 CFR 372.65C). Must be used on Toxic Release Inventory Form: Yes  
Clean Air Act: Not Listed  
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: 3  
HMIS Flammability: 0  
HMIS Reactivity: 2  
HMIS Personal Protection: D

### SECTION XII – HANDLING AND STORAGE

Storage Requirements: Store in closed, properly labeled tanks or containers.  
Handling Procedure: Wear the proper personal protection equipment. This product may be added slowly to water or acids with dilution and constant stirring to avoid a violent exothermic reaction. Full protective clothing should be worn. Avoid contact with aluminum, tin, zinc, and alloys containing these metals. Do not mix with strong acids without dilution and agitation to prevent violent or explosive reaction.  
Conditions to avoid: Avoid contact with leather, wool, acids, organic halogen compounds, nitro compounds, or metals such as aluminum, tin or zinc.

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### SECTION XIII – TOXICOLOGICAL AND ECOLOGICAL INFORMATION

Toxicity:	Sodium Hydroxide: Oral LD50 rat 140 to 340 mg/kg
Toxicity:	Sodium Hydroxide: Acute dermal LD50 rabbit: 1350 mg/kg
Aquatic Toxicity Study:	No data available
BOD:	No data available
COD:	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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