

Material Safety Data Sheet

(WAM B-102)



Date Prepared: October 28, 2003
Revision Date: March 7, 2006
INFOTRAC: 800-535-5053
Product Number: WBWT1AH-SF
Control Number:

PO Box 1700
Snohomish, WA USA 98291

Emergency Phone Number:
(800) 535-5053

SECTION I - IDENTIFICATION

Product Name: WAM B-102
Synonyms: Oxygen scavenger
Chemical Family: Inorganic sodium solutions
Formula: Proprietary
Product Description: Boiler Treatment

SECTION II - HAZARDOUS INGREDIENTS

Hazardous Ingredient	Percent	CAS Number	PEL
Sodium Bisulfite	>1%	7757-83-7	2 mg/m ³ (as SO ₂)
Potassium Hydroxide	>1%	1310-58-3	2 mg/ m ³ OSHA ceiling; 2 mg/ m ³ ACGIH ceiling

SECTION III - PHYSICAL/CHEMICAL DATA

Form: Liquid
Color: Colorless
Odor: Sulfur dioxide (pungent)
Boiling Point: 220°F
Freeze Point: Not established
Melting Point: Not established
Vapor Pressure: 1.3 mm Hg @42%
Vapor Density (Air=1): Not applicable
Specific Gravity: 1.268
Density lb./gal (kg/L): 10.6 (1.27)
pH(neat): 7.4 to 8.4
pH(1% solution): 7.4 to 8.4
Solubility in Water: Complete

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Evaporation Rate: 1 (water = 1)
Volatility including Water: 70%
Molecular Weight: Blend, not applicable

SECTION IV – FIRE AND EXPLOSION DATA

Flashpoint: Non 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: Non combustible. Employ extinguishing media appropriate to surrounding materials.
Hazardous Combustion Products: Generates hazardous sulfur dioxide during decomposition.
Special Fire Fighting Procedures: Wear NIOSH-approved self-contained breathing apparatus. Use water spray to keep containers cool and to knock down fumes.
Unusual Fire and Explosion Hazards:Non combustible. Generates hazardous sulfur dioxide during decomposition.

SECTION V – REACTIVITY DATA

Stability: At ambient temperatures and atmospheric pressure, this material decomposes, giving off sulfur dioxide gas.
Hazardous Polymerization: Hazardous polymerization does not occur.
Incompatibility: Contact with strong oxidizers cause vigorous exothermic reactions.
Contact with acids will release sulfur dioxide.
Hazardous Decomposition Products:Oxides of sulfur. Sulfur dioxide.

SECTION VI – HEALTH DATA

Threshold Limit Value: 5 mg/m³
OSHA PEL: 5 mg/m³
Listed Carcinogen: This product contains no known or potential carcinogens
Medical Conditions Aggravated by Overexposure:Breathing of mist may aggravate asthma or other pulmonary diseases.
Inhalation: May cause irritation. Sulfite-sensitive individuals may experience a severe allergic reaction.
Ingestion: Oral exposure or swallowing may produce gastrointestinal upset, nausea, or vomiting. Ingestion may be fatal. Sulfite-sensitive individuals may experience a severe allergic reaction.
Eyes: May cause mild irritation or severe burns with prolonged exposure.
Skin (Dermal): May cause mild irritation with prolonged exposure.

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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:	Remove contact lenses. Gently flush the eyes and surrounding areas, including under the eyelids, with lukewarm water for 15 minutes. If irritation persists, seek medical attention.
Skin (Dermal):	Remove contaminated clothing. Wipe material from the skin. Rinse the affected area with large amounts of water for 15 minutes. If irritation persists, seek medical attention.

SECTION VIII – EMPLOYEE PROTECTION

Respiratory Protection:	In case of significant or accidental mist emissions, a NIOSH/MSHA approved mask should be worn. If sulfur dioxide is present, use a NIOSH-approved respirator or self-contained breathing apparatus.
Eye Protection:	Safety glasses. Always be aware of proximity of eye wash station.
Protective Gloves:	Neoprene, rubber, or PVC gloves with gauntlets.
Protective Clothing:	Boots, apron, long sleeves.
Ventilation Requirements:	Adequate ventilation must be provided to maintain air concentration below the OSHA PEL.
Work/Hygiene Practices:	An emergency eye wash and safety shower for first aid treatment of potential chemical burns should be available in the vicinity of exposure from any material release. Avoid contact with the skin, and breathing vapor, mists, or dusts. Do not eat, drink or smoke in the work area. Wash hands thoroughly before eating, drinking, smoking, chewing, or using the restroom facility.
Additional Measures:	None known.

SECTION IX – SPILL AND DISPOSAL DATA

Spill:	In case of spillage, absorb with inert material and dispose of in accordance with applicable regulations.
Waste Disposal:	Dispose of in accordance with all federal, state, and local environmental laws and regulations.
RCRA Status:	Not listed

SECTION X – TRANSPORTATION DATA

DOT Shipping Name:	Industrial Process Compound, Water Treating, Liquid
DOT Hazard Label(s):	None; Not regulated for transport
DOT Hazard Placard(s):	None; Not regulated for transport
DOT Hazard Class:	None; Not regulated for transport

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UN/NA Number: N/A
Packaging Group: None
Reportable Quantity: N/A
Emergency Response Guide Number:.....Not Applicable

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: Hazard Categories: Fire: No; Sudden release of pressure: No; Reactive: Yes; Acute Health: Yes; Chronic Health: Yes; Planning threshold: 10,000 lbs.
SARA Section 312: Hazard categories: Fire: No; Sudden release of pressure: No; Reactive: Yes; Acute Health: Yes; Chronic Health: Yes; Planning threshold 10,000 lbs.
Sara Section 313: Not regulated
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: 2
HMIS Flammability: 0
HMIS Reactivity: 0
HMIS Personal Protection: C

SECTION XII – HANDLING AND STORAGE

Storage Requirements: Store in closed, properly labeled tanks or containers.
Handling Procedure: Avoid prolonged or repeated contact with the skin or eyes.
Conditions to avoid: Keep away from acids, oxidizers, and heat sources.

SECTION XIII – TOXICOLOGICAL AND ECOLOGICAL INFORMATION

Toxicity: Acute toxicity: LD50-oral 2 gm/kg species: rat (as sodium bisulfite)
Toxicity: Chronic toxicity: Can cause allergic reactions, including headaches, difficulty in breathing, rapid heart rate, anaphylaxis to susceptible individuals (as sodium bisulfite).
Aquatic Toxicity Study: Sodium sulfite: 96 hour LC50 goldfish: 100 mg/liter.
Aquatic Toxicity Study: Sodium sulfite: 24, 48, 96 hour TLm mosquito fish: 2,600 ppm
BOD: Biological Oxygen Demand = 0.12 lb/lb instantaneous. Sodium bisulfite is an oxygen scavenger when introduced to water.
COD: No data available

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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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