

Material Safety Data Sheet
(WAM CL-111)



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INFOTRAC: 800-535-5053
Product Number: WCLT0BD-SF
Control Number:

PO Box 1700
Snohomish, WA USA 98291

Emergency Phone Number:
(800) 535-5053

SECTION I - IDENTIFICATION

Product Name: WAM CL-111
Synonyms: None
Chemical Family: Inorganics
Formula: Proprietary
Product Description: Closed Loop Treatment

SECTION II - HAZARDOUS INGREDIENTS

Hazardous Ingredient	Percent	CAS Number	PEL
Sodium Nitrite	10-25%	7632-00-0	NDA
Sodium Borate	1-10%	1303-96-4	10 mg/m ³

SECTION III - PHYSICAL/CHEMICAL DATA

Form: Liquid
Color: Light Straw
Odor: Odorless
Boiling Point: No data available
Freeze Point: >212 °F
Specific Gravity: 1.119
Density lb./gal (kg/L): 9.34 (1.12)
pH(neat): 8.5 to 9.5
pH(1% solution): 8.3 to 9.3
Solubility in Water: Soluble
Molecular Weight: Blend, not applicable

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SECTION IV – FIRE AND EXPLOSION DATA

Flashpoint: No data available.
Autoignition: Not available
Extinguishing Media: Use water fog extinguishing media. Use flooding amounts of water in early stages of fire.
Special Fire Fighting Procedures: Firefighters should be equipped with self-contained breathing apparatus and turn out gear.
Unusual Fire and Explosion Hazards:None known

SECTION V – REACTIVITY DATA

Stability: Stable under normal conditions.
Hazardous Polymerization: Thermal decomposition products > 320 °C. : NO_x and Na₂O. Thermal decomposition products > 600 °C. : Nitrogen, Oxygen, Na₂O.
Incompatibility: Reducing agents, oxidizable substances, ammonium salt, amines of products containing amines. Acids.

SECTION VI – HEALTH DATA

Medical Conditions Aggravated by Overexposure:No data is available which addresses medical conditions that are generally recognized as being aggravated by exposure to this product. Please refer to the effects of overexposure section (Toxicity) for effects (if any) observed in animals.
Inhalation: Inhalation exposures to high vapor concentrations of formic acid may produce CNS effects like visual and mental disturbances.
Eyes: Sodium nitrite and aqueous solutions of sodium nitrite may be severely irritating to the eyes.
Skin (Dermal): No data available

SECTION VII – FIRST AID

Breathing (Inhalation): If inhaled, remove to fresh air. If necessary, aid in breathing and get immediate medical attention.
Swallowing (Ingestion): Ingestion of large amounts of sodium nitrite may cause nausea, vomiting, a bluish color to the skin and mucous membranes (as a result of methemoglobin production), convulsions, and coma. Intentional ingestion of high doses have been reported to produce salivation, vomiting, burning sensation, severe pain, metabolic acidosis, blindness and even death. If swallowed, dilute with water and immediately induce vomiting. Never give fluids or induce vomiting if the victim is unconscious or having convulsions. Get immediate medical attention.
Eyes: Immediately flush with copious amounts of water for at least 15 minutes. If irritation develops, get medical attention.
Skin (Dermal): Wash affected areas with soap and water. Remove and launder contaminated clothing before reuse. Get immediate medical attention.
Note to Physician: None.

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SECTION VIII – EMPLOYEE PROTECTION

Respiratory Protection: If dusts are generated, wear an approved dust respirator.
Eye Protection: Chemical Goggles
Protective Gloves: Gloves necessary to prevent contact.
Protective Clothing: Coveralls, apron, and boots as necessary to prevent contact.
Ventilation Requirements: Use local exhaust to control dusts.
Additional Measures: Eyewash fountains and safety showers must be easily accessible.
Shower after handling.

SECTION IX – SPILL AND DISPOSAL DATA

Spill: Spills should be contained, solidified, and placed in suitable containers for disposal in a RCRA licensed facility. This material is regulated under CERCLA ("SUPERFUND").
Waste Disposal: Incinerate in a licensed facility. Do not discharge into waterways or sewer systems. Dispose of containers in a licensed facility. Recommend crushing or other means to prevent unauthorized reuse.
RCRA Status: Not applicable.

SECTION X – TRANSPORTATION DATA

DOT Shipping Name: Industrial Process Compound, Water Treating, Liquid
UN/NA Number: None
Packaging Group: None
Reportable Quantity: NDA

SECTION XI – OTHER REGULATORY INFORMATION

TSCA Status: Listed on Inventory
Sara Section 313: CAS: 7632-00-0 Amount: ~20% Name: Nitrous Acid, Sodium Salt
HMIS Health: 1
HMIS Flammability: 0
HMIS Reactivity: 0
HMIS Personal Protection: C

SECTION XII – HANDLING AND STORAGE

Storage Requirements: Keep containers closed. During transportation and storage, sodium nitrite must be kept strictly separate from ammonia salts, nitrogenous fertilizers or other substances containing ammonium salts, amides, products containing amides and readily oxidizable products. Protect against heat. Protect against moisture.

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Handling Procedure: Breathing must be protected when large quantities are decanted without local exhaust ventilation. Ensure suitable air extract/ventilation on process machinery and transportation equipment.

Conditions to avoid: Solutions are oxidized by air. Heat and acids will cause release of NO_x.

SECTION XIII – TOXICOLOGICAL AND ECOLOGICAL INFORMATION

Toxicity: Reported lethal amount in adult humans -4 -6 g/kg Tox test rating not found. Rat, 2 year drinking water study - 0.125, 0.25%. No Compound Related Oncogenic Effects. Rat, Oral LD50 - 85 mg/kg. Very Toxic. Tox test description not found-Tox test rating not found. Rabbit, Mucous Membrane Irritation Study - Nonirritating

Toxicity: Chronic Exposure to nitrites may cause headaches, visual problems, and decreased blood pressure. Nitrites may react with secondary and tertiary amines to form nitrosamines, which are animal carcinogens.

Toxicity: Sodium nitrite was not carcinogenic when fed to rats in the diet at 0.2 or 0.5% for up to 115 weeks. Under certain conditions nitrite compounds may react with secondary amines to form potentially carcinogenic nitrosamines. Due to the possibility of nitrosamine formation, sodium nitrite is not to be used in metalworking fluids containing amines.

SECTION XIV – ADDITIONAL INFORMATION

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

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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