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	<u>NFPA</u>	<u>HMIS</u>
Health	2	2
Flammability	0	0
Reactivity	2	2
PPE		E

Section 1 - Material Identification

Product: Sonogard

Synonym: Corrosion Inhibitor

Manufacturer: Sonotech, Inc.

Date Prepared: 5/03

Emergency Phone: 800-458-4254 / 360-671-9121

Section 2 - Ingredients (>0.1% by WT)

<u>Component</u>	<u>CAS</u>
Sodium Nitrite (<70%)	7632-00-0
Corrosion Inhibitors	Proprietary

All required ingredients are listed on TSCA inventory.

Section 3 - Health Hazards

	<u>Primary Route</u>	<u>Effect</u>
Eyes	Yes	Irritation: can cause tissue damage if not removed promptly
Skin	Yes	Irritation; concentrated powder can cause tissue damage
Inhalation	No	Irritation
Ingestion	No	Ingestion of large amounts may be fatal or cause nausea and vomiting

Note that nitrites may react with amines to form nitrosamines, which are animal carcinogens

Section 4 - First Aid

Eyes: Flush with water for at least 15 minutes and promptly call a physician

Skin: Flush with large amounts of water

Inhalation: If exposure to nitrogen oxide gas is suspected, remove to fresh air and call a physician

Ingestion: Give water; *do not* induce vomiting. Call a physician

Section 5 - Fire and Explosion Data

Flash Point (method): None

Upper Exposure Limit: None

Lower Exposure Limit: None

Extinguishing media: Any form, water preferred

Special Precautions: (large quantities) Self-Contained Breathing Apparatus and protective clothing

Unusual Hazards: On heating, nitrites can yield nitrogen oxide (toxic) gas. Nitrite is an oxidizing agent

Section 6 - Accidental Release

Sweep up immediately and return to container for use. Any unusable portion requires disposal as a toxic waste. Wash down area with water.

Section 7 - Storage and Handling

Keep container closed. Do not store in contact with combustibles.

Wash thoroughly after handling.

Section 8 - Exposure Controls

Respiratory Protection: Dust mask

Ventilation: Local exhaust

Protective Gloves: Required for handling concentrated product

Eye Protection: Goggles or face shield

Other Controls: Vinyl apron for large quantities

Section 9 - Physical Data

Boiling Point (pressure): Not available

Density: Not available

Vapor Density: Not available

Vapor Pressure (temp): Not available

Volatile Organic Compounds: 0%

Percent Solids: 100%

Solubility in water: complete

Appearance & Odor: Yellow to brown-green powder, mild odor

Section 10 - Reactivity Data

Stability: Stable

Hazardous Polymerization: Will not occur

Hazardous Decomposition Products: Nitric oxides (toxic) gas

Incompatibility: oxidizable substances, particularly amines and acids

Section 11 - Toxicology Information

Oral toxicity: Oral LD₅₀ (rat) = 80-185 mg/kg

Skin irritation: Not Determined

Eye Irritation: Not Determined

Known / Suspected Carcinogens: Nitrites may react with amines to form nitrosamines, which are animal carcinogens

Section 12 - Ecological Information

No data

Section 13 - Disposal

Follow applicable federal, state and local regulations

Section 14 - Transportation Information

Domestic Regulations: DOT

DOT Designation: Sodium Nitrite

Hazard Class: 5.1

ID Number: UN1500

Packing Group: III

International Regulations: IATA, IMDG

Section 15 - Regulatory Information

WHMIS: Sodium Nitrite C, D1B, D2B

EPCRA 311/ 312 Categories: Sodium nitrite is subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372.

This Material Safety Data Sheet (MSDS) has been prepared in compliance with the Federal OSHA Hazard Communication Standard, 29 CFR 1910.1200. Sonotech believes this information to be reliable and up to date as of the date of this publication, but makes no warranty that it is. If this MSDS is more than three years old, you should contact Sonotech at the phone number provided above to verify that this sheet is current.