



774 Marine Drive
 Bellingham, WA 98225-1530
 360-671-9121 Fax: 360-671-9024
 www.sonotech-inc.com

MSDS

Material Safety Data Sheet

	NFPA	HMIS
Health	2	2
Flammability	0	0
Reactivity	0	0
PPE		B

Section 1 - Material Identification

Product: ECHONOX® II

Synonym: Corrosion Inhibitor
 Manufacturer: Sonotech, Inc.
 Date Prepared: 09/07
 Emergency Phone: 800-458-4254 / 360-671-9121

Section 2 - Ingredients (>0.1% by WT)

Component	CAS
Water	7732-18-5
Sodium Nitrite	7632-00-0
Diethanolamine	111-42-2
Triethanolamine	102-71-6
N-Nitrosodiethanolamine	1116-54-7

All required ingredients are listed on TSCA inventory.

Section 3 - Health Hazards

	Primary Route	Effect
Eyes	Yes	Irritation, burning, redness
Skin	Yes	Irritation; dermatitis with prolonged contact
Inhalation	Not normally	Possible carcinogen from long-term inhalation of concentrated vapor
Ingestion	Not normally	May cause toxic effect

Section 4 - First Aid

Eyes: Flush continuously with water for 15 minutes, and call a physician
 Skin: Wash affected area with soap and water
 Inhalation: N/A
 Ingestion: If conscious, induce vomiting. Get medical attention.

Section 5 - Fire and Explosion Data

Flash Point: N/A
 Upper Exposure Limit: None
 Lower Exposure Limit: None
 Extinguishing media: All standard fire fighting media
 Special Precautions: Self Contained Breathing Apparatus and protective clothing should be worn in fighting fires involving chemicals
 Unusual Hazards: None

Section 6 - Accidental Release

Recover free liquid and return to container. Absorb with inert material. Keep from entering sewers or waterways.

Section 7 - Storage and Handling

Store at room temperature. Material is slippery. Avoid eye contact and prolonged skin contact.

Section 8 - Exposure Controls

Respiratory Protection: If exposure exceeds TLV, wear NIOSH approved respirator
 Ventilation: Local exhaust (forced air)
 Protective Gloves: Rubber or neoprene
 Eye Protection: Splash goggles recommended
 Other Controls: Not required

Section 9 - Physical Data

Boiling Point: 214°F
 Density: 1.07-1.09 g/cc
 Vapor Density: >1.0
 Vapor Pressure: 17.5mm Hg (68°F)
 Volatile Organic Compounds: Not Determined
 Percent Solids: <5%
 Solubility in water: soluble
 Appearance & Odor: pale yellow liquid, mild odor

Section 10 - Reactivity Data

Stability: Stable
 Hazardous Polymerization: Will not occur
 Hazardous Decomposition Products: If combusted, oxides of nitrogen and carbon
 Incompatibility: Strong acids and oxidizing agents

Section 11 - Toxicology Information

Oral toxicity: Not Determined
 Skin irritation: Not Determined
 Eye Irritation: Not Determined
 Known / Suspected Carcinogens: N-Nitrosodiethanolamine (< 1% in this product) is a suspected carcinogen

Section 12 - Ecological Information

No data

Section 13 - Disposal

Follow applicable federal, state, and local regulations.

Section 14 - Transportation Information

Domestic Regulations: None
 DOT Designation: None
 Hazard Class: None
 ID Number: None
 Packing Group: None
 International Regulations: None known

Section 15 - Regulatory Information

WHMIS: Not a Controlled Product
 EPCRA 311/ 312 Categories: Diethanolamine (< 3% in this product), N-Nitrosodiethanolamine (< 1% in this product) and Sodium nitrite (1-5%) are 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.