



MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT & COMPANY IDENTIFICATION

SONOTECH 774 MARINE DRIVE BELLINGHAM, WA 98225 www.sonotech-inc.com

Product Name: GLYCERINE

Synonym: Nondestructive Testing (NDT) Ultrasonic Couplant

Manufacturer: Sonotech

Date Prepared: 01/10

Emergency Phone: 360-671-9121 (7am-4pm PST) After hours: CHEMTREC 1-800-424-9300

SECTION 2 -- INGREDIENTS

Glycerine CAS# 56-81-5 100%

This material is not considered to be hazardous under OSHA's Hazard Communication Standard (29 CFR 1900.1200).

SECTION 3 – HEALTH HAZARDS

Potential Health Effects

Eyes	Transient irritation
Skin	(Rarely) redness, itching
Inhalation	Vapor from heated material or mist may cause respiratory irritation
Ingestion	None expected with small amounts

SECTION 4 – FIRST AID

Eyes: Flush with water for at least 15 minutes. Get medical attention if irritation persists.

Skin: Wash with water.

Inhalation: Remove to fresh air; if effects occur, consult a physician.

Ingestion: Call physician if large quantities involved.

SECTION 5 – FIRE AND EXPLOSION DATA

Flash Point: 390 ° F (PMCC)

Extinguishing Media: Water fog or fine spray. Dry chemical fire extinguishers. Carbon dioxide extinguishers.

Foam. Do not use direct water stream—may spread fire. Alcohol resistant foams (ATC type) are preferred.

General purpose synthetic foams (including AFFF) or protein foams may function, but will be less effective.

Special Precautions: Self-contained breathing apparatus (SCBA) and protective clothing should be worn in fighting fire involving chemicals

Unusual Hazards: Violent steam generation or eruption may occur upon application of direct water stream to hot liquids. Thermal decomposition of glycerine may yield Acrolein.

NFPA Rating: Health: 1, Fire: 1, Instability: 1

SECTION 6 – ACCIDENTAL RELEASE

Wipe up excess. Wash with water. Sprinkle with traction material if spill not cleaned immediately. Material is slippery.

SECTION 7 – STORAGE AND HANDLING

Store at room temperature.

SECTION 8 – EXPOSURE CONTROLS

EXPOSURE LIMITS: ACGIH: 10 mg/m³ (TWA mist)

OSHA: 5 mg/m³ (PEL resp fraction)

OSHA: 15 mg/m³ (PEL Total)

Respiratory protection: If material is heated, use an approved air-purifying respirator.

Ventilation: General and/or local exhaust ventilation to control airborne levels below the exposure guidelines.

Protective Gloves: May be required if sensitivity exists. When prolonged or frequently repeated contact could occur, use gloves (Latex, vinyl, nitrile, polyvinyl alcohol).

Eye Protection: Safety glasses.

Other controls: Not required.

SECTION 9 – PHYSICAL DATA

Boiling Point (760 mmHg): 554° F (Literature)

Density: 1.4 -1.6 g/cm³

Vapor Density (68° F): 3.1 (Literature), Air=1

Vapor Pressure: <1 mm Hg (70° F)

Volatile Organic Compounds: None.

Percent Solids: <2%

Solubility in water: Complete.

Appearance & Odor: Clear viscous liquid, little or no odor.

SECTION 10 -- REACTIVITY

Stability: Stable.

Hazardous Polymerization: Will not occur.

Hazardous Decomposition Products: Thermal decomposition may yield Acrolein.

Incompatibility: Oxidizing material.

SECTION 11 – TOXICOLOGY INFORMATION

Acute Toxicity

Ingestion: LD50 (Rat): 17,000 – 27,200 mg/kg

Skin Absorption: LD50 (Rabbit): >10,000 mg/kg

Eye Irritation: Not available.

SECTION 12 – ECOLOGICAL DATA

Ecotoxicity: Material is practically non-toxic to aquatic organisms on an acute basis (LC50/EC50 > 100 mg/L in the most sensitive species tested).

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

TSCA: All ingredients are listed on the TSCA Inventory.

SECTION 16 – ADDITIONAL INFORMATION

HMIS: Health: 1, Flammability: 1, Physical Hazard: 1

This MSDS was revised on January 4 , 2010. Supercedes May 2006.

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.