

Section 1--PRODUCT & COMPANY IDENTIFICATION

Product Name: Industrial Ultrasonic Couplant
 Product Number: 30-Coup1; 50-Coup2
 Product Uses: Sound conducting gel
 Uses advised against: Unknown
 Manufacturer: NextNDT Technology, Inc.
 Emergency Phone: +1-858-333-6398

Section 2--INGREDIENTS

Ingredients	Identifiers	Wt/Wt %	Regulation (EC) No. 1272/2008 [CLP]	R-phrases	EC hazard class:
Glycerol, USP Kosher	CAS # 56-81-5	70-75	Not classified	None	None
Water	CAS# 7732-18-5 EC#2317912	20-25	Not classified	None	None
Modified Starch	CAS # 9005-25-8	<5	Not classified	None	None

Section 3--HAZARD IDENTIFICATION

Product definition	Mixture
EC	Not classified as hazardous according to Directive 1999/45/EC and Directive 67/548/EEC and Regulation (EC) No 1272/2008(CPL).
North America:	Not combusive per OSHA or WHMIS definitions but it can be ignited at higher temperatures.
Hazard summary	
Physical hazard	Not classified for physical hazards.
Health hazard	Not classified for health hazards. However, occupational exposure to the mixture or substance(s) may cause adverse health effects.
Environmental hazard	Not classified for hazards to the environment.
Specific hazards	No hazards resulting from the material as supplied.
Main symptoms	Irritation of eyes and mucous membranes. Skin irritation.

Section 4--FIRST AID

Skin contact: Wash effected areas with soap and plenty of water.
 Eyes: Immediately wash with running water for 15 minutes. Remove contact lenses, if worn. Get medical attention if irritation persists.
 Respiration: Move to fresh air. Give artificial respiration if person is not breathing.
 Ingestion: Remove material from mouth. Drink plenty of water.

Section 5—FIRE-FIGHTING MEASURE

5.1 Extinguishing Media:

Suitable extinguishing media: Water, foam, CO2 or dry chemical.

Unsuitable Extinguishing Media: Not known.

Special Protective Equipment: Wear self-containing breathing apparatus and full protective clothing if necessary.

Other Fire Fighting: Contact of glycerin with strong oxidizing agents such as Nitric Acid or other strong

Considerations: acids, Chromium Trioxide, Potassium Chlorate, or Potassium permanganate may cause an explosion.

5.2 Special hazards arising from substance or mixture

Hazard from the substance or mixture: Not known.

Special Risks: Non-combustible.

Hazardous Combustion: Carbon monoxide and carbon dioxide, dense smoke.

Products Explosive Limits in Air: Not applicable

Reactivity: Decomposes on exposure to temperature rise. Upon combustion CO and CO2 are formed. Reacts with (strong) oxidizers: (increased) risk of fire/explosion. Reacts with (some) acids.

HMIS/NFPA rating: Health -1, Flammability - 1, Reactivity - 0.

5.3 Advise for firefighters

Special precautions for Firefighters: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment For firefighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus(SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) Conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

Section 6—ACCIDENTAL RELEASE

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: No special measures required. Avoid contact with skin and eyes. Wear respirator, gloves and eye protection.

For emergency responders: No special measures required.

6.2 Environmental Precautions:

Minimize contamination of drains, surface or ground waters. Dilute with water.

6.3 Methods and materials for containment and cleaning up

Transfer product to suitably labeled containers for disposal at an approved site. Absorb liquid spillage onto inert material (e.g. sand or vermiculite). Residues and small spillages may be washed with water and detergent.

Section 7—STORAGE AND HANDLING

Store at room temperature

Section 8—EXPOSURE CONTROLS



MATERIAL SAFETY DATA SHEET

Appropriate engineering controls: General industrial hygiene should be followed.

Individual protection measures/Personal Protective Equipment:

Eye: Safety glasses are recommended.

Skin: Handle with gloves.

Respiratory: A respiratory protection is not required with normal use. If a mist or vapor is generated, use NIOSH/MSHA (North America) or CEN (EU) approved air supplied respirator.

Section 9—PHYSICAL/CHEMICAL PROPERTIES

Physical State: Clear gel

Odor: Odorless

Ph: 5.5-7

Freezing/melting point: Not available.

Flash point: >160°(320°F) (glycerin) PMCC

Flammability: Non-flammable

Specific density: 1.26 at 25°C(glycerin)

Solubility: water soluble

ethanol soluble

chloroform insoluble

Autoignition temperature: 370°C (698°F) (glycerin)

Decomposition temperature: Not available.

Explosive properties: Not available.

Oxidizing properties: None.

Section 10--STABILITY AND REACTIVITY

10.1 Reactivity

Decomposes on exposure to temperature rise. Upon combustion CO and CO₂ are formed. Reacts with (strong) oxidizers (nitric acids, peroxides). Reacts with (some) acids.

10.2 Chemical stability

Stable under normal operational procedures.

10.3 Possibility of hazardous reactions

No hazardous polymerization reaction.

10.4 Conditions to Avoid

Excessive heat. Strong acids, bases, strong oxidizing agents like chromium trioxide, potassium chlorate, or potassium permanganate.

10.5 Incompatible materials

Not available.

10.6 Hazardous Decomposition Products

Carbon monoxide, dense smoke.

Section 11—TOXICOLOGY INFORMATION

No data.

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

TSCA: All ingredients are listed on the TSCA Inventory.

Section 16—ADDITIONAL INFORMATION

Full text of R-, H-, and EUH-phrases:

Acute Tox. Not classified (Dermal)	Acute toxicity (dermal) Not classified-----
Acute Tox. Not classified (Oral)	Acute toxicity (oral) Not classified
Aquatic Acute Not classified	Hazardous to the aquatic environment-Acute Hazard Not classified
Flam.Liq. Not classified	Flammable liquids Not classified

Date of issue:

April 16, 2016

Date of revision:

January 9, 2018

The submission of the MSDS may be required by law but this is not an assertion that the product is hazardous when used in accordance with proper safety practice and normal handling procedures. Data supplied are for use only in connection with occupational safety and health.

The information contained herein is based on the present state of our knowledge. The information relates to the specific product designed herein, and does not relate to use in combination with any other material or any other process. It characterizes the product with regards to the appropriate safety precautions. It does not represent a guarantee of the properties of the product. Nextndt Technology, Inc. assumes no responsibility for injury to the recipient or third person or for any damage to any property resulting from misuse of the product.