

## 1. Identification

Common Name/ Trade Name: **Liquid Copper Test Kit**  
 Material Uses: Copper Test kit

Revision Date: August 25, 2023

Number: N/A

Supplier: FRITZ INDUSTRIES, INC.  
 500 Sam Houston  
 Mesquite, TX 75149

### In Case of Emergency:

Weekdays: CHEMTREC  
 (Monday – Friday 8-5): (7 days a week, 24 hours a day)  
 (972) 329-8800 (800) 424-9300  
 (800) 955-1323

## 2. Hazard(s) Identification

Classification: Skin Corrosion Cat-1B  
 Harmful to aquatic life

Labeling:

Symbol:



Signal Word: Danger

Hazard Statement: H314 Causes severe skin burns and eye damage.  
 H402 Harmful to aquatic life

Precautionary Statements: P260 Do not breath dusts or mists  
 P280 Wear protective gloves/protective clothing/eye protection/face protection  
 P273 Avoid release to environment  
 P301+P330+P331 IF SWALLOWED: Rinse mouth, do not induce vomiting  
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 P310 Immediately call a POISON CENTER/doctor/physician  
 P363 Wash contaminated clothing before reuse  
 P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Other Hazard Information:

Physical/Chemical Hazards: No additional hazards  
 Health Hazards: No additional hazards  
 Environmental Hazards: No additional hazards

**3. Composition and Information on Ingredients**

<b>Chemical Identity</b>	<b>Numbers of Identity</b>	<b>% by Weight</b>
Water	CAS# 7732-18-5	>98
Sodium Diethyldithiocarbamate	CAS# 148-18-5	<1
Tetrasodium ethylenediamine tetra-acetate	CAS # 64-02-8	<1

**4. First Aid Measures**

<b>Inhalation:</b>	If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek medical attention.
<b>Skin Contact:</b>	Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse. If irritation develops and persists, seek medical attention.
<b>Eye Contact:</b>	Do not rub eyes. Immediately flush eyes with water for at least 15 minutes, while keeping eyelids open. If irritation develops and persists, seek medical attention.
<b>Ingestion:</b>	If ingested, do not induce vomiting. If alert and conscious, remove material from mouth and rinse. Give 2 to 4 cups of water to dilute. Seek medical attention if large amount is ingested.

**5. Fire and Explosion Data**

<b>General Information:</b>	Product is not flammable or combustible.
<b>Suitable Extinguishing Media:</b>	Use suitable media to extinguish surrounding fire.
<b>Unsuitable Extinguishing Media:</b>	None known.
<b>Special Protective Equipment and Precaution for Fire Fighters:</b>	Full protective clothing and SCBA.

**6. Accidental Release Measures**

<b>Personal Precautions:</b>	Use proper personal protective equipment, see section 8.
<b>Environmental Precautions:</b>	Prevent from entering sewers and waterways.
<b>Methods and Materials for Containment and Cleaning Up:</b>	Ventilate area. Isolate and contain spill. Use dry methods to collect spilled materials. Avoid generating dust.

**7. Handling and Storage**

<b>Precautions for Safe Handling:</b>	Avoid contact with skin and eyes. Wear suitable personal protective equipment
<b>Conditions for Safe Storage, including Incompatibilities:</b>	Keep container tightly closed. Store in a cool, dry, well-ventilated area. Store away from incompatibles (see section 10).

**8. Exposure Controls/Personal Protection****Exposure Limits:**

<b>Component Name</b>	<b>Reference</b>	<b>Limit Values</b>
SODIUM DIETHYLDITHIOCARBAMATE	ACGIH (TWA)	Not Established
	NIOSH (REL)	Not Established
	OSHA (PEL)	Not Established

<b>Ventilation:</b>	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels minimum.
<b>Respiratory Protection:</b>	Not required, but if dust is generated, use adequate respiratory protection.
<b>Eye Protection:</b>	Use safety glasses with side-shields or splash goggles.
<b>Skin Protection:</b>	Use chemical resistant gloves. Clothing should cover arms and legs.

**9. Physical and Chemical Properties**

Flashpoint:	Not determined	Lower Flammability Limit:	Not determined
Auto ignition Temperature:	Not determined	Upper Flammability Limit:	Not determined
Boiling Point:	Not applicable	Specific Gravity:	<b>0.9-1.10</b>
Melting Point:	Not determined	% Volatile:	Not determined
Vapor Pressure, mm <sub>Hg</sub> :	Not applicable	Evaporation Rate (Water=1):	Not applicable
Vapor Density (air=1):	Not applicable	Viscosity:	Not applicable
%Solubility in Water:	<b>Soluble</b>	Octanol/Water Partition Coefficient:	Not determined
Pour Point:	Not applicable	pH:	<b>10-12</b>
Odor/Appearance:	<b>Chemical/clear slight pink solution</b>		

**10. Stability and Reactivity Data**

<b>Chemical Stability:</b>	Product is stable under recommended conditions of storage and use.
<b>Possibility of Hazardous Reactions:</b>	Hazardous reactions should not occur under recommended conditions of storage and use.
<b>Conditions to Avoid:</b>	Dust generation, moisture.
<b>Materials to Avoid:</b>	Strong oxidizing agents and strong acids.
<b>Hazardous Decomposition Products:</b>	Irritating and toxic fumes may be generated by thermal decomposition.

**11. Toxicological Information**

<b>Routes of Exposure:</b>	Skin/eye contact, inhalation and ingestion.
<b>Acute Toxicity:</b>	No data available
<b>Skin Corrosion/Irritation:</b>	No data available.
<b>Serious Eye Damage/Irritation:</b>	May cause eye irritation. Based on available data, classification criteria are not met.
<b>Respiratory/Skin Sensitization:</b>	No data available.
<b>Germ Cell Mutagenicity:</b>	No data available.
<b>Carcinogenicity:</b>	Not classified as a carcinogen.
<b>Reproductive Toxicity:</b>	No data available.
<b>STOT, SE:</b>	No data available.
<b>STOT, RE:</b>	No data available.
<b>Other Chronic Effects:</b>	No known effects from chronic exposure.

**12. Ecological Information**

<b>Persistence and Degradability:</b>	No data available.
<b>Bio-accumulative Potential:</b>	No data available.
<b>Mobility:</b>	No data available.
<b>Aquatic Toxicity:</b>	No data available.

**13. Disposal Considerations**

<b>Waste Disposal:</b>	Disposal should be made in accordance with federal, state, and local regulations.
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**14. Transport Information**

<b>US DOT:</b>	Not regulated
<b>IATA:</b>	Not regulated
<b>IMDG:</b>	Not regulated

**15. Other Regulatory Information**

<b>Inventory Status:</b>	Components are listed in TSCA inventory or are exempt.
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**US Regulations:**

SARA 302 EHS Chemicals:	This product does not contain ingredients listed as an Extremely Hazardous Substance.
SARA (311/312) Hazard Categories:	No hazards listed.
SARA 313:	This product does not contain ingredients on the List of Toxic Chemicals.
EPA CERCLA/Superfund Reportable Spill Quantity:	This material does not contain any CERCLA regulated chemicals.

**16. Other Information**

**Abbreviations and Acronyms:**

ACGIH: American Conference of Governmental Industrial Hygienists  
CAS: Chemical Abstract Service  
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act  
EHS: Extremely Hazardous Substances  
EPA: Environmental Protection Agency  
GHS: Globally Harmonized System  
HMIS: Hazardous Materials Identification System  
LC<sub>50</sub>: Lethal Concentration, half maximal  
LD<sub>50</sub>: Lethal Dose, half maximal  
mg/kg: Milligrams per kilograms  
mg/l: Milligrams per Liter  
mg/m<sup>3</sup>: Milligrams per Cubic Meter NFPA:  
National Fire Protection Association  
NIOSH: National Institute for Occupational Safety and Health  
OSHA: Occupational Safety and Health Administration  
PEL: Permissible Exposure Limit  
PPE: Personal Protective Equipment  
REL: Recommended Exposure Limit  
SARA: Superfund Amendments and Reauthorization Act  
TSCA: Toxic Substances Control Act  
TWA: Time weighted average

**Additional Information:**

HMIS (U.S.A.): Health 3, Flammability 0, Reactivity 0, Protective Equipment e  
NFPA (U.S.A.): Health 3, Flammability 0, Reactivity 0

**Revision Notes:**

**Supersedes:**

**Prepared By: Cory Griffith**

**Preparation Date: January 12, 2023**

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End of SDS