

# **MATERIAL SAFETY DATA SHEET**

REVISION DATE: 7/9/01

Phone: 407/847-4181

24 Hour  
Emergency Phone  
407/847-4181

## **C-LINE T-32**

CHEMLINE, INC.  
1662 BROAD STREET  
KISSIMMEE, FL. 34742-2352

### **SECTION 1**

#### **OSHA HAZARD CLASSIFICATIONS**

Corrosive to Eyes, Irritating to Skin.

### **SECTION 2**

#### **HAZARDOUS COMPONENTS**

Chemical Name TLV	CAS Number	% by Weight
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Phosphoric Acid	7664-38-2	<5%
		1
		mg/kg3

Sodium Tolyltriazole	64665-57-2	<10%
		N/A

Formaldehyde	50-00-0	<0.15%
		CEIL:
		0.37 (mg/m3)
		from
		ACGIH (TLV)

[United		States]
		CEIL:
0.3 (ppm) from		ACGIH (TLV)

[United		States]
		TWA: 0.75

STEL:2 (ppm)

from OSHA [United States Other ingredients:

Water, Phosphonic Acid and proprietary materials.

### **SECTION 3**

### **FIRST AID INFORMATION**

**Eye Exposure:** Flush immediately with copious amounts of tap water or normal saline (minimum 15 minutes) Take exposed individual to a health care professional, preferably an ophthalmologist, for further evaluation.

**Skin Exposure:** Wash exposed area with plenty of soap and water. Repeat washing. Remove contaminated clothing and wash thoroughly before reuse. If irritation persists consult a health care professional.

**Ingestion:** DO NOT INDUCE VOMITING. Rinse with copious amounts of water or milk, first. Irrigate the esophagus and dilute stomach contents by slowly giving one to two glasses of water or milk. Avoid giving alcohol or alcohol related products. In cases where the individual is semicomatose, comatose, or convulsing, DO NOT GIVE FLUIDS BY MOUTH. In case of intentional ingestion of the product seek medical assistance

immediately; take individual to nearest medical facility.

**Inhalation:** If exposure by inhalation is suspected immediately move exposed individual to fresh air. If individual experiences nausea, headache, dizziness, or has difficulty in breathing, seek a health care professional.

## **SECTION 4**

### **PRIMARY ROUTES OF EXPOSURE**

#### **Effects from Acute Exposure**

**Eye Exposure:** Corrosive. Effects may range from moderate to severe, depending on the length of exposure, solution concentration, and first aid measures.

**Skin Exposure:** Irritant. Irritation will depend on solution strength, length of exposure and first aid measures.

**Inhalation:** May cause irritation or corrosion of mucous membranes and lungs. Exposed individuals should be monitored for respiratory distress.

## **SECTION 5**

## TOXICOLOGICAL INFORMATION

Acute Effects:

Acute Oral LD50: >10,000 mg/kg

Acute Dermal LD50: > 20,000 mg/kg

**Irritant Effects:** Expected to be corrosive to eyes and irritating to skin.

**Sensitization Effects:** Not tested but none expected.

**Carcinogenic Potential:** Not listed in any of OSHA Standard, Section 1910.1200 sources as carcinogenic. Not tested by Chemline.

**Other health effects:** None known.

## SECTION 6

### PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear Amber Liquid
Odor	Slight
Specific Gravity	1.03 - 1.036 gr/ml
Boiling Point	>212 <sub>EF</sub>
pH	<3.0
Solubility in Water	Complete in all Proportions
Vapor Pressure	N/A

## SECTION 7

### FIRE AND EXPLOSION INFORMATION

**Flammable Limits:** N/A

**Extinguishing media:** Water fog, carbon dioxide, foam, dry chemical

**Special Firefighting Procedures:** Self-contained breathing apparatus is recommended.

## **SECTION 8**

## **REACTIVITY INFORMATION**

**Stability:** Stable

**Incompatibility:** Strong alkalies.

**Hazardous Decomposition Products:** Exposure to flame can generate oxides of phosphorous, nitrogen and/or carbon.

## **SECTION 9**

## **HANDLING PRECAUTIONS**

Rubber gloves and safety goggles are strongly recommended. Body protective clothing and shoes are strongly recommended.

## **SECTION 10**

## **SPILL, LEAK AND DISPOSAL PROCEDURES**

**Important:** Before responding to a spill or leak of this product, review each section of this MSDS. Follow the recommendations in the Handling Precautions sections. Check the Fire and Explosion Data section to determine if the use of non-sparking tools is merited. Initially minimize the area affected by the spill or leak. Block any potential routes to water systems (sewers, streams, lakes, etc.) Based on the product's toxicological and chemical properties, and on the size and location of the spill or leak, assess the impact on contaminated environments. Minimize the adverse on these environments. Recover as much of the product as possible into appropriate containers. Later, determine if this recovered product can be used for its intended purpose. Spill or leak residuals may have to be collected and disposed of. Clay, soil, or commercially available absorbents may be used to recover any material that cannot readily be recovered as pure product. Flushing of residual material to an industrial sewer, if present at the site of a spill or leak incident, may be acceptable if authorized approval is obtained. Contact the appropriate State, Local, and/or Federal Authorities before disposing of the product.

## **DISPOSAL GUIDELINES**

**Contaminated Materials:** Determine if waste containing this product can be handled by available industrial effluent system or other onsite waste management unit. If offsite management is required, contact a company experienced in industrial waste management. Spill or leak residuals may meet the criteria of a characteristic hazardous waste under the Resource Conservation and Recovery Act.

**Container Disposal:** Empty containers, as defined by appropriate sections of the RCRA, are not RCRA hazardous wastes. However, insure proper management of any residuals remaining in container.

## **SECTION 11**

## **TRANSPORTATION AND SHIPPING INFORMATION**

DOT Proper Shipping Name: NOT REGULATED

## **SECTION 12**

## **REGULATORY INFORMATION**

The following regulations are known to apply to the use and disposal of this product. Additional Federal, State and Local regulations may also be applicable.

**SARA (Superfund Amendments and Reauthorization Act):**

**SARA 302 Extremely Hazardous Substances List (40 CFR 300):** Formaldehyde.

**SARA 312 Hazard Category:** Immediate (Acute) Health Hazard.

**SARA 313 Toxic Chemicals List:** Formaldehyde, Phosphoric Acid.

**CERCLA (Comprehensive Environmental Response, Compensation and Liability Act):** The following components are listed on the CERCLA Hazardous Substances List (may be listed as categories): Formaldehyde, Phosphoric Acid.

**RCRA (Resource Conservation and Recovery Act) Listed Hazardous Wastes:** Formaldehyde.

**TSCA (Toxic Substances Control Act) Applicability:** All components are listed on TSCA Inventory.

NFPA Ratings: Health 2, Flammability 1, Reactivity 1

**Disclaimer:**

The information on this Material Safety Data Sheet (MSDS) reflects the latest information and data that we have on hazards, properties, and handling of this product under the recommended conditions of use. Any use of this product or method of application which is not described in the Product Data Sheet is the responsibility of the user. This MSDS was prepared to comply with the OSHA Hazard Communication Regulations.

Chemline, Inc. warrants that this product conforms to the chemical description and is reasonably fit for the purpose referred to in the directions for use when used in accordance with the directions under normal conditions. Buyer assumes the risk of any use contrary to such directions.

Seller makes no other warranty or representation of any kind, express or implied, concerning the product, including NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS OF THE GOODS FOR ANY OTHER PARTICULAR PURPOSE. No such warranties shall be implied by law and no agent of seller is authorized to alter this warranty in any way except in writing with a specific reference in this warranty.

The exclusive remedy against seller shall be a claim for damages not to exceed the purchase price of the product, without regard to whether such a claim is based upon breach of warranty or not.