

(W)

# MATERIAL SAFETY DATA SHEET

Complies with OSHA's 29 CFR 1910.1200 and State Hazard Communication Standards.

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## SECTION 1

PRODUCT IDENTITY: CLT-510, Corrosion Inhibitor

DATE PREPARED: 1/7/92

NFPA/HMIS HAZARD CODES (minimal = 0; slight = 1, moderate = 2; serious = 3; severe = 4)  
Health: 2/2 Fire: 0/0 Reactivity: 0/0 Special: NA

## SECTION 2: HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

| HAZARDOUS COMPONENTS | CAS #     | OSHA-PEL                         | ACGIH-TLV                        | % BY WT. |
|----------------------|-----------|----------------------------------|----------------------------------|----------|
| Sodium hydroxide     | 1310-73-2 | 2 mg/M <sup>3</sup><br>(ceiling) | 2 mg/M <sup>3</sup><br>(ceiling) | 3 max.   |
| Sodium nitrite*      | 7632-00-0 | None Est.**                      | None Est.**                      | 10-20    |
| Diethylaminoethanol  | 100-37-8  | 10 ppm (skin)                    | 10 ppm (skin)                    | 1-5      |

\*EPA Hazardous Substance (40 CFR 116)

\*\*Supplier recommendation 5 mg/M<sup>3</sup> as respirable particulate

Also contains polyacrylic sludge conditioners in water solution.

## SECTION 3: PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING POINT: 212°F  
VAPOR PRESSURE: As water  
VAPOR DENSITY (air = 1): As water  
SOLUBILITY IN WATER: Complete

SPECIFIC GRAVITY: 1.15  
PERCENT VOLATILE: approx. 80  
EVAPORATION RATE: As water  
pH: 13.5

APPEARANCE AND ODOR: Water white liquid; amine odor

## SECTION 4: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: None  
EXTINGUISHING MEDIA: As for surrounding fire; product will not burn.  
SPECIAL FIREFIGHTING PROCEDURES: None  
UNUSUAL FIRE AND EXPLOSION HAZARDS: None  
FLAMMABLE LIMITS: NA

## SECTION 5: REACTIVITY DATA

STABILITY: Stable  
CONDITIONS TO AVOID: None  
HAZARDOUS POLYMERIZATION: Will not occur  
INCOMPATIBILITY: Do not mix with acids, neutralizes active ingredients.  
HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition, as in a fire, may release oxides of carbon and nitrogen if evaporated to dryness.

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## SECTION 6: HEALTH HAZARD DATA

**ROUTES OF ENTRY/SIGNS AND SYMPTOMS OF EXPOSURE:** ACUTE: Eyes: causes severe burns; possible permanent eye damage, even blindness. Skin: irritant; prolonged contact may cause severe burns which may not be immediately painful or visible. Inhalation of mists irritating; possible tissue damage (not a likely route in normal use). Ingestion: severe burns to mucous membranes of mouth, throat and digestive tract. Sodium nitrite may cause temporary yellowing of skin with prolonged contact; moderately toxic by ingestion, Oral LD<sub>50</sub> (rat) 85 mg/kg.

**CHRONIC EFFECTS:** None in normal use of this product. Under certain conditions, nitrites may react with secondary amines to form carcinogenic nitrosamines.

**CARCINOGENS:** None listed under OSHA, IARC or NTP.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Pre-existing dermatitis.

**EMERGENCY AND FIRST AID PROCEDURES:** Eyes: immediately flush with plenty of water for at least 15 minutes. Hold eyelids open to ensure complete rinsing. Remove contact lenses if worn. Get medical attention. Skin: flush with water for 15 minutes while removing contaminated clothing. Continue rinsing until "slippery" feeling is gone. Get medical attention if irritation persists or burns develop. Ingestion: DO NOT INDUCE VOMITING. Give water or milk to dilute. Never give anything by mouth to an unconscious person. Get immediate medical attention.

## SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE

**SPILL OR LEAK PROCEDURES: SMALL SPILLS:** Flush down drain with plenty of water.

**LARGE SPILLS:** Dike to contain; reclaim all possible. Absorb with inert material and place in suitable containers. Flush residue down drain with plenty of water. Prevent wash water from entering natural waterways or public supplies.

**WASTE DISPOSAL METHOD:** Trained and properly equipped personnel may dilute and neutralize waste very carefully with dilute acid and dispose of in accordance with Federal, State and local regulation. Product if disposed of as received is a RCRA characteristic corrosive waste due to pH.

**HANDLING AND STORING:** Store in a cool, dry area. Keep from freezing. Do not contaminate food or feed by use or storage of this product.

**OTHER PRECAUTIONS:** Read and follow label directions. Keep out of reach of children.

## SECTION 8: CONTROL MEASURES

**RESPIRATORY PROTECTION:** Use NIOSH approved dust or mist respirator if mist in air causes irritation or exceeds exposure limits.

**VENTILATION:** Local exhaust as needed in confined space or if mist present.

**GLOVES:** Rubber or neoprene

**EYE PROTECTION:** Splash proof goggles or chemical safety glasses

**OTHER PROTECTIVE EQUIPMENT:** As needed to prevent skin or eye contact.

**WORK/HYGIENIC PRACTICES:** Wash skin thoroughly after handling. Do not wear clothing wet with product. Remove immediately and launder contaminated clothing before reuse.

This information was compiled from current, reliable sources and is believed to be correct. As data, and/or regulations change, and conditions of use and handling are beyond our control, no warranty, express or implied, is made as to completeness or continuing accuracy of this information.