



P.O. Box 195, Brownsburg, IN 46112
 Ph: 317-852-8966
Emergency Telephone No: 800-535-5053

MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION

Product Name or Chemical Name.....**CLT-19**
 Synonyms.....Closed System Treatment
 Chemical Family.....Corrosion Inhibitor
 NFPA – Health Hazard.....2
 Fire Hazard.....0
 Reactivity Hazard.....0
 NFPA Scale.....4=Extreme 3=High 2=Moderate 1=Slight 0=Insignificant

II. HAZARDOUS INGREDIENTS

<u>Chemical Name(s)</u>	<u>CAS Number</u>	<u>% Wt</u>	<u>TLV-TWA</u>	<u>PEL</u>	<u>SEC.313</u>	<u>Carcinogen?</u>
Sodium Nitrite	7632-00-0	<5	NE	NE	Yes	No
Sodium Hydroxide	1310-73-2	<5	2 mg/m3	2 mg/m3	No	No

III. SHIPPING DATA

DOT Proper Shipping Name:.....N/A
 DOT Hazard Class.....N/A
 DOT Labels Required.....N/A
 UN/NA ID Number.....N/A
 Packaging Group.....N/A
 Non-Bulk Shipping Name.....Compound, Industrial Process Water Treating, Liquid
 Bulk Shipping Name.....Same

IV. PHYSICAL DATA

Boiling/Freezing Point @760 mmHg.....212°F (100°C) / ND
 pH.....11.5
 Vapor Pressure mmHg @20°C.....ND
 Vapor Density (Air=1).....>1
 Percent Volatile by Weight (%).....85
 Specific Gravity @20°C.....1.09
 Solubility in Water.....Complete
 Evaporation Rate.....(Water=1) <1
 Appearance and Odor.....Light yellow liquid with mild odor.

V. FIRE & EXPLOSION HAZARD DATA

Flash Point (Test Method).....N/A
 Autoignition Temperature.....N/A
 Flammability Limits in Air (% V).....N/A
 Extinguishing Media.....Not Combustible
 Special Fire Fighting Procedures.....N/A
 Unusual Fire & Explosion Hazards.....Oxides of nitrogen may be generated under extreme conditions.

VI. REACTIVITY DATA

Product Stability.....Stable
 Conditions to Avoid.....N/A
 Chemical Incompatibility.....Strong acids
 Hazardous Decomposition Products.....Oxides of nitrogen
 Hazardous Polymerization.....Will not occur



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VII. HEALTH HAZARD DATA

Skin ContactMay cause skin irritation upon prolonged exposure.
 Eye ContactMay cause eye irritation and damage.
 InhalationMay cause respiratory irritation.
 IngestionMay cause irritation of the gastrointestinal system.

VIII. EMERGENCY AND FIRST AID PROCEDURES

Skin.....Remove contaminated clothing and flush exposed skin with soap and water. If irritation persists or develops, get medical attention. Launder contaminated clothing before use.
 Eyes.....Immediately flush eyes with large amounts of water for 15 minutes and get medical attention.
 IngestionIf swallowed, INDUCE VOMITING. Get medical attention immediately. Never give anything by mouth to an unconscious person.
 InhalationMove to fresh air. Aid in breathing, if necessary, and get medical attention.

IX. ENVIRONMENTAL DATA

Spill or Leak Procedures Avoid skin contact. Absorb with sand or inert material. Place in suitable container for disposal. Do not flush into waterways.
 Waste Disposal..... Dispose of in accordance with all federal, state and local regulations.
 Hazardous Water 40CFR261..N/A
 Container Disposal Empty containers may contain residuals. Thoroughly clean, then offer for recycling, reuse, or disposal in accordance with governmental regulations.

X. SPECIAL PROTECTION INFORMATION

Respiratory Protection Respirator not required with most applications.
 Ventilation..... Local exhaust is generally sufficient to minimize exposure.
 Protective Clothing Neoprene gloves, apron, boots – as necessary to prevent skin contact.
 Eye Protection Chemical goggles.
 Other Precautions..... Safety shower and eyewash fountains should be easily accessible.

XI. SUPPLIER INFORMATION

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of manufacturer. The data on this sheet relates only to the specific material designated herein. Manufacturer assumes no legal responsibility for use or reliance upon this data.

N/A = Not Available
 ND = Not Determined
 NE = Not Established

Issue Date: 2/09
 Revised Date: 7/06