

NCLT

IMPROVED
NEW
FORMULA

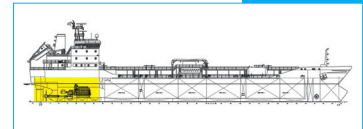
Cooling Water Treatment for Closed Recirculating Water Systems

Technical Information

PHYSICAL DATA

Appearance:	pale yellow liquid
Specific gravity:	1.275 Kg. x ltr
pH in 1% sol. water:	9 ± 0,5
Corrosion action:	none
Contains Sodium Nitrite	

USAGE AREAS



APPROVALS



DESCRIPTION

Liquid compound Sodium/Nitrite/borate based with organic corrosion inhibitors.

ADVANTAGES

- Highly effective anodic inhibitor treatment to protect all metal surfaces from corrosion.
- Deposits a microscopic protective film on pipeworks and component surfaces that includes the multi-metal cooling systems.
- The stability of the protective film is reinforced by built-in pH buffering compounds.
- Contains specific corrosion inhibitors to provide protection for ferrous and non-ferrous metals.
- Controls formation of hard scale deposits when used with or in event of leakage of raw water in system.
- Non-chromate product, therefore does not cause pollution problems associated with chromates.
- Non harmful to no-metallic substances such as seals, glands, packing, hoses, gaskets, etc. and compatible with all types of Glycol based anti-freezes.

APPLICATIONS

- Corrosion inhibiting treatment for closed re-circulating water systems such as:
- Diesel engine cooling water systems.
- Compressor cooling water systems.
- Centralized cooling systems.
- Central heating systems, F.W. Ballast Tanks, etc.

(follow)

NCLT

DIRECTION FOR USE - PRODUCT DOSE

Determine the quantity of treatment required for the system from the product dosage chart.

Note: Sacrificial anodes (magnesium or zinc) and galvanized coating contained inside the cooling water system must be removed prior to the addition of NCLT as these materials are unnecessary in the treated system and can cause undesirable deposits if allowed to remain. Consult the local Uniservice Representative for additional information.

Consult the local Uniservice Unisafe Representative for additional information.

- The solution should be added to the system by addition to expansion tank or through a dosing line.
- Ask Uniservice Unisafe representative eventual automatic dosing system to feed the product.
- System contaminated with oil and/or scale should be cleaned before applying NCLT treatment. Use SEA CLEAN for degreasing and DESCALING LIQUID or POWDER for descaling operations.

RECOMMENDATION FOR COOLING WATER TREATED WITH NCLT

Nitrite (NO₂):	from 1500 to 3000 ppm (12 liters of NCLT each Ton of water)
Chlorides:	Normal speed engine 100 PPM maximum High speed engine 50 PPM maximum
Hardness:	Max. 180 PPM CaCO ₃
pH:	From 8.5 to 9.5 (In case the pH is below 8.5 add a small dose of ALKALINITY CONTROL to increase)

Always add NCLT in the point where circulation is high. Some new system's feeder tanks are only for expansion and have very little or no circulation. In case of loss of treatment levels check first for leakage in the system. Distilled/deionized water should always be used.

Call for Uniservice Unisafe Service Engineer in case the loss of treatment (Nitrite levels) is not due to leakages on the cooling system but to other reasons like BACTERIA CONTAMINATION or OXIDATION of NITRITE that will change in NITRATE decreasing the protection to the system. On new buildings or overhauled systems, Engine Manufacturer advises must be closely followed in conjunction with Uniservice Unisafe.

All competitors Nitrite/Borate based water treatments are compatible with NCLT but allow old product to drop to lowest limit and start dosing Uniservice Unisafe product. NCLT will slowly remove sludge and other residues during first period of operation. This will result in possible cloudy water which will clarify after draining small quantities of water. It is not necessary to remove all existing coolant unless inspection has shown excessive contamination. In case changing of treatment is performed after the soluble oil inhibitor type, a complete draining, cleaning and even degreasing of the circuit is advisable, but consult Uniservice Unisafe representative for the correct procedure of changing over to NCLT.

IMPORTANT NOTICE

While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, this information is provided for your guidance only. Because many factors may affect processing or application/use, we recommend that you do a test to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding products described or designs, data or information set forth, or that the products, designs, data or information may be used without infringing the intellectual property rights of others. In no case shall the descriptions, information, data or designs provided be considered a part of our terms and conditions of sale. Further, you expressly understand and agree that the descriptions, designs, data and information furnished by Uniservice Unisafe Srl hereunder are given gratis, and Uniservice Unisafe Srl assumes no obligation or liability for the description, designs, data and information given or results obtained, all such being given and accepted at your risk.