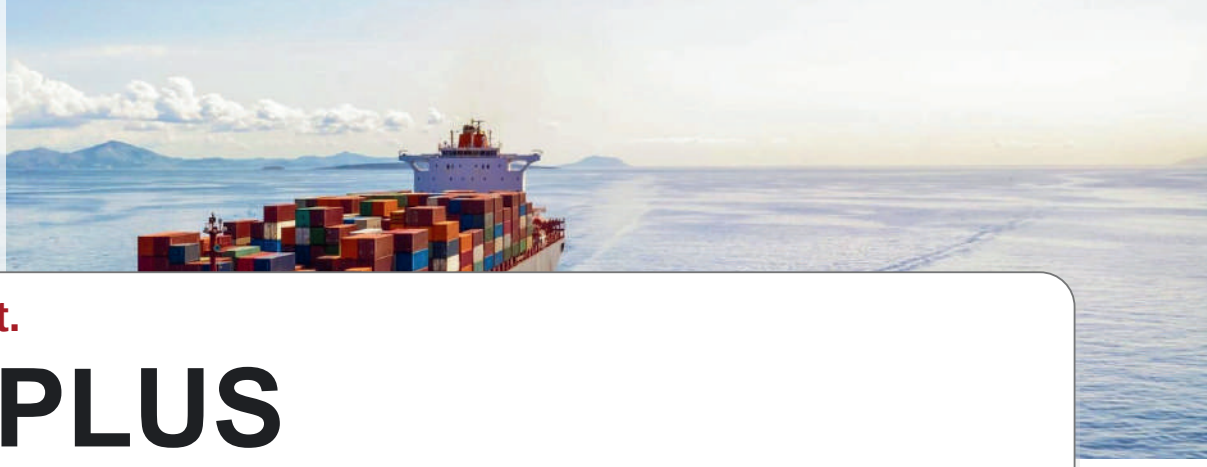


Water Treatment.

NCLT PLUS

NCLT Plus Premium Closed Cooling Water Treatment for Complete Corrosion, Scale & System Protection.

DESCRIPTION & APPLICATIONS:

NCLT PLUS is a premium liquid treatment for closed cooling water systems, providing effective corrosion protection, scale control, and water conditioning in a single solution. Its advanced formulation protects both ferrous and non-ferrous metals by forming a microscopic protective film on internal system surfaces. The treatment helps prevent corrosion, cavitation, and erosion while controlling scale formation and maintaining efficient heat transfer. Built-in pH buffering compounds support optimum water chemistry and system stability. Compatible with all glycol-based antifreeze products, NCLT PLUS improves cooling efficiency, extends equipment life, reduces maintenance costs, and enhances overall operational reliability.

FEATURES & BENEFITS:

- Easy-to-dose liquid treatment for all closed cooling water systems
- Highly effective corrosion inhibitor for both ferrous and non-ferrous metals
- Forms a microscopic protective film to safeguard metal surfaces
- Protects against electrochemical corrosion and galvanic attack
- Controls hard scale formation and reduces deposit buildup
- Maintains optimum heat transfer efficiency and cleaner cooling surfaces
- Built-in pH buffering compounds for enhanced system stability
- Prevents cavitation and erosion damage in critical equipment
- Compatible with all glycol-based antifreeze products
- Safe for seals, hoses, gaskets, packing, and glands
- Simple testing and monitoring through nitrite reserve control
- Reduces maintenance costs, improves reliability, and extends equipment life

RECOMMENDED DOSAGE:

Before treatment, cooling systems contaminated with oil, sludge or scale should be thoroughly cleaned. Use only high-quality demineralized water, reverse osmosis water or evaporator water when preparing or replenishing the system. Shore water and potable water should be avoided due to dissolved minerals that may contribute to scale formation and corrosion.

Treatment should be applied at a point where circulation is strongest. Avoid dosing into stagnant expansion tanks.

SHERAN CHEMICAL (UAE) |SHERAN HELLAS CHEMICAL (Greece)

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Manufacturing & Sales: Fujairah, UAE | Athens, Greece

Marine and industrial chemicals supplier worldwide.

CERTIFICATIONS & MARINE SUPPLY NETWORKS

ProcureShip PS ID: 14754

SHIPSERV TN-315946

ISO 9001:2015 CERTIFIED COMPANY

Initial System Treatment

System Water Volume	NCLT PLUS Required
1 Ton	10.3 L
5 Tons	51.5 L
10 Tons	103 L
20 Tons	206 L
50 Tons	515 L

Initial dosage: 10.3 litres of NCLT PLUS per ton of cooling water.

RECOMMENDED COOLING WATER LIMITS:

Parameter	Recommended Range
Nitrite	1200 - 1500 ppm
pH	8.3 - 10.0
Chloride	<100 ppm
Total Hardness	<180 ppm as $CaCO_3$
Make-Up Water	RO / Demineralized / Evaporator Water

CONTROL & MONITORING

Parameter	Control Limit
Minimum Nitrite Level	1200 ppm
Recommended Nitrite Reserve	1500 ppm
Effective Protection Level	1000 ppm

Regularly monitor nitrite reserve and overall water quality to ensure maximum protection against corrosion, scale, cavitation, and erosion, using the Sheran Cooling Test Kit for routine testing and dosage adjustments.

MAINTENANCE DOSAGE GUIDE:

Nitrite Level (ppm NO_2)	System Condition	Recommended Action
Above 1500 ppm	Excellent Protection	No treatment required
1200 - 1500 ppm	Optimum Range	Monitor only
1000 - 1200 ppm	Low Reserve	Add 1.5 L per ton
800 - 1000 ppm	Insufficient Protection	Add 3.0 L per ton
500 - 800 ppm	High Corrosion Risk	Add 5.0 L per ton
Below 500 ppm	Critical Condition	Re-establish treatment level

TYPICAL PROPERTIES:

Property	Typical Value
Appearance	Clear Red Liquid
Odour	Mild
pH (Concentrate)	10.0 - 12.0
Specific Gravity @	1.10 - 1.20
Solubility	Completely Miscible in
Nitrite Based	Yes
Borate Based	Yes
Glycol Compatibility	Excellent

STORAGE & HANDLING:

Store tightly closed in a cool, dry, ventilated area away from heat and sunlight, following standard SDS safety guidelines.

STANDARD PACKAGING:

- 25 L HDPE Cans

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