

## NCT 105L RUST & SCALE INHIBITOR

### GENERAL DESCRIPTION

A non-chromate liquid with selected corrosion inhibitors, specially designed to inhibit and prevent corrosion of water systems and boilers. Product is specially formulated with an easy to use colour indicator for checking the working strength of the product in the boiler.

### USES

NCT 105L is used as a corrosion inhibitor for all ferrous and non-ferrous metals found in water systems. NCT 105L is compatible with all coolants and also assists in inhibiting scale formation in case of small seawater leaks into the fresh water.

### DOSAGE

Cooling systems should be free from rust and scale before application. Initial dose of 24 ltr/ton of cooling water and pH should be maintained from 8.3 - 9.5. All dosage should be based on sodium nitrite analysis according to the following chart.

LIQUID NON-CHROMATE D.E.W.T. DOSAGE CHART		
Test Result as ppm NaNO <sub>2</sub>	Dosage NCT 105L in ltr/tonne Make-up water	
Init. Dose 0 ppm	24	Unit. Dose per tonne water 24 ltr/3500 ppm
250	22	
500	20	
750	18	
1000	16	
1250	14	
1500	12	
1750	10	
2000	8	
2250	6	
2500	4	
2750	2	
3000	0	
3250		
3500		
3750		
4000		
4250		
4500		

Initial dosage where no nitrite based treatment has been used, should be 50% above. (Multiplier : 1.5)

### ANALYSIS

By means of standard Nitrite Test Kit.

1. Rinse the sample tube and measure 10ml of cooling water.
2. Dissolve one dipper off Acid Sulfate to sample by swirling the tube.
3. Add Permanganate solution one drop at a time until a pink colour appears and should persist for at least one minute.
4. Each drop of Permanganate solution is equal to 250 ppm of sodium nitrite NaNO<sub>2</sub>.
5. If higher accuracy is required use a 25ml sample. Each drop of Permanganate added will then be equalled to 100 ppm sodium nitrite.

### PRODUCTS SPECIFICATIONS

Based on sodium nitrite borates and other inhibitors.

Appearance	: Pink Liquid
Fire Point	: None
Flash Point Neat	: None
Flash Point Solution	: None
Odour	: None
Stability	: Indefinite
Density	: 1.18 @ 25°C

### HANDLING PRECAUTION

Avoid contact with NCT 105L. If contacted, flush exposed areas with plenty of water. Do not take internally.

### PACKAGE

Supplied in 25 ltrs and 200 ltrs container.