



TECHNICAL INFORMATION SHEET

ESCORT - 400

THE WATER TREATMENT COMPOUND FOR COOLING TOWER

Technical Data :

ESCORT - 400 is a yellowish colored concentrated liquid. It prevents scale formation and controls algae growth in heat exchange systems e.g. cooling towers. It neutralizes acidity thereby checking corrosion. **ESCORT - 400** is alkaline in nature.

CHEMICAL FAMILY	: Corrosion inhibitor, acidity neutralizer, quaternary ammonium compounds, water softener.
COLOUR	: Yellow.
PH	: 7.5 (1 : 500 Dilution).
MISCIBILITY	: Incompatible with acids.
FLASH POINT	: N I L.
FIRE POINT	: N I L.
DENSITY AT 20°C	: 0.98 gm / cc
CORROSION	: Safe on metals, plastics and rubber.

Where to uses :

1. Cooling systems for air conditioning - cooling towers.
2. Heat exchange systems - plastic industry.
3. Chilled wafer systems.
- 4.

How to uses :

1. 1 gallon of ESCORT - 400 treats 500 gallons of circulating water in cooling systems.
2. Ascertain the amount of water in cooling system - as an approximate guide every RT (Refrigeration Ton) requires about 5 to 10 gallons of circulating water. Hence if a cooling tower has a 50 RT capacity it will need about 500 gallons of circulating water and hence about 1 gallon of ESCORT - 400.



3. Normally for the initial dosage extra 1 or 2 gallons is added on top of the calculated amount to neutralize acidity. It also provides the initial dose required for killing / checking algae growth.
4. In some areas, prolific algae growth may be encountered. This is first to be removed by means of an algicide e.g. ESCORT - 122.
5. Thereafter weekly / fortnightly addition of ESCORT - 400 about 50% of calculated dosage is required.
This is to provide make up for loss due to :
 - Windage (10 – 20%).
 - Overflow due to rain.
 - Overflow - faulty float valve.
 - Bleed offs.
6. Bleed offs of system is normally recommended every quarter (3 month).
This will reduce the amount of T.D.S. (total dissolved solids).
7. Check PH if below 7 add ESCORT - 400 .

Products benefits :

1. Safe, non-toxic.
2. Prevents clogging - due to algae.
3. Economical - 1 gallon treats 500 gallons.
4. Prevents scaling - hence good exchange hence optimal cooling efficiency.
5. Water testing - free laboratory report.
6. Prevents corrosion – saves money.
7. Works safely on rubber, metals and plastics.
8. Free PH paper provided.

Potential uses :

1. Air conditioning maintenance contractors.
2. Building - maintenance, clubs.
3. Ships / Oil rigs.
4. Plastics industry.
5. Metal heat treatment company.

