



## TECHNICAL INFORMATION SHEET

# ESCORT - 122

## ALGAE KILL

### Technical Data :

**ESCORT - 122** is highly effective in killing pathogens at low concentration. It is an ideal disinfectant as well as an effective algacide. It reduces bad odor by removal of micro organism and does not irritate the skin. **ESCORT - 122** is especially effective for use in swimming pools, laboratories, cooling tower etc.

CHEMICAL FAMILY	:	Quaternary ammonium compounds.
PH	:	Near neutral.
COLOUR	:	Clear liquid.
STORAGE	:	Store in cool place.
FLASH POINT	:	N I L.

### Direction :

1. For general use as disinfectant add a tablespoon to 6 gallons of water.
2. For cooling tower :
  - Initial dosage : add 1 gallon to every 40 gallons of circulating water for initial kill. Slight foaming may occur.
  - Subsequent dosage : add 1 – 2 liters every weeks.
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Cooling systems are often contaminated by micro-organism (algae, bacteria, and fungi) which develop in the highly favorable environment of air, warmth, organic matter and light. Algae in particular appear. Such growth reduces efficiency of cooling towers and clogs strainers.



Specification :

APPEARANCE	:	Clear colour liquid with a tinge of brown.
DENSITY 20°C	:	0.98.
PH	:	8.2.
MAXIMUM TEMPERATURE OF APPLICATION	:	80°C.
TOXICITY	:	LD-50 for rats is 2,500 ml. per Kg. When used at normal concentration. ESCORT - 122 non-toxic.

**ESCORT - 122** contains CL-5 a penetrating agent and is based on quaternary ammonium.

This makes it effective to control :

- Green Algae
- Blue Green Algae
- Brown Algae
- Square D Algae

The active agent in **ESCORT - 122** adheres to the cell membrane and form complexes with proteins there. These complexes slow down the metabolism until they finally burst. The cell then loses its cytoplasm and dies resulting in browning of the algae.

**ESCORT - 122** is compatible with **ESCORT - 400** and can be used in conjunction with it.

Dosage :

Cooling circuits - shock treatment should be carried out periodically at dosage rates of 150 to 250 ppm and maintained for an average of 5 (five) days.

The frequency of treatment and the dosage rate depend on local conditions : temperature, light atmosphere pollution etc.

Swimming pools - initial dose 5 ppm followed by maintenance dose of 1.5 to 2 ppm.