

# Belclene<sup>®</sup> 810

www.wateradditives.com



## Biodegradable Antiscalant for Severe High LSI Cooling Water Systems

### Description

Belclene 810 helps in developing formulations that are *biodegradable* and *phosphorus-free*, yet highly effective as calcium carbonate antiscalants, for their environmentally sensitive customers.

### Application

Belclene 810 is highly effective in controlling the deposition of calcium carbonate in standard cooling water systems.

### Benefits

Belclene 810 provides a cooling water formulation:

- Calcium carbonate scale inhibition in severe service conditions where the LSI approaches 3.0
- 45% more biodegradation than its closest antiscalant competitor
- 2.5x better calcium carbonate inhibition versus next leading biodegradable antiscalant
- Very good zinc stabilization and general dispersancy for neutral pH cooling water programs
- Halogen stability

### Usage

\*Please consult with your BWA Water Additives representative to determine optimal dosage recommendations for your system.

### Packaging / Weight

Drum                      528 lb                      240 kg

\*Consult your sales representative for availability.

### Physical Properties

Appearance	Amber liquid
Odor	Slight
Active content	40% w/w
Specific gravity	1.19 at 20/20°C
pH of undiluted product	<2
Viscosity	18mm <sup>2</sup> /s at 25°C
Boiling range (760 mm Hg)	100-102°C (212-215°F)
Freezing point	-6 to -4°C (21-25°F)
Solubility in:	
- Ethylene glycol	Miscible
- Water	Miscible
- Methanol	Miscible
- 50% caustic soda	Readily neutralized w/ evolution of heat
- pH limitations	To avoid precipitation, formulate below pH 2.5 or above pH 7.5. At in use concentrations Belclene 810 is stable across the entire pH range.

Further details are available in the safety data sheet



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