

# CHM715HT

## Bioaugmentation for wastewater

### Applications

- Wastewater treatment plant
- Biological systems

### Features and benefits

- Improved reduction of specific organics, suspended solids, BOD/COD
- Improved compliance with environmental compliance
- High temperature adaption
- Facilitates biological oxidation of organics at system temperatures as high as 140°F (60°C)

**Chemcrobe® 715HT** bacteria in dry form is a blend of selectively cultured bacteria designed to aid in the biological oxidation of high temperature industrial wastewaters (140°F 60°C).

The cultures have been selected for their ability to produce effective enzymes at these temperatures. It is especially effective in refinery wastewater systems for degrading oil and grease, hydrocarbons, phenol, esters, alcohols, aldehydes, glycols, and surfactants.

Chemcrobe 715HT bacteria is specifically adapted to function in water temperatures as high as 140°F (60°C). Its thermophilic characteristics allow Chemcrobe 715HT bacteria to thrive in environments that would be lethal to non-adapted microorganisms.

Chemcrobe bacteria and enzymes perform within a pH range of 6.0 to 8.5 with the optimum near pH 7.5. The temperature of the wastewater affects biological activity. No activity can be expected below 40°F (5°C). Activity increases with increasing temperature up to 140°F.

### Feed System

Chemcrobe 715HT bacteria should be dispersed in water (1 lb/2 gallons water – 1 kg / 15 L), stirred and air agitated for 2 to 4 hours, after which the suspension should be added to the system.

For specific application rates, contact your Baker Hughes representative.

### Safety and Handling

Storage in a cool, dry location is recommended. Store at temperatures between 65° – 80°F. Inhalation and direct skin contact should be avoided.

Dust protection for eyes, nose and mouth should be used. After handling, wash hands thoroughly with warm soapy water.

Chemcrobe 715HT bacteria is shipped in 25 lb (11.3 kg) or 100 lb (45.4 kg) poly-lined fiber drums or plastic drums.

### Typical Properties

General appearance	Light brown free flowing powder
Odour	Non-specific
Bacterial count	5 x 10 <sup>9</sup> viable organism/g
Moisture content	8%