

CHM715

Bioaugmentation for wastewater treatment

Applications

- Wastewater treatment plant
- Oil Refineries

Features and benefits

- Quickly decontaminates soil and groundwater containing hydrocarbons resulting from leaking storage tanks, transfer lines, and spills
- Eliminates future liability risks associated with off-site disposal
- Eliminates or reduces further environmental damage through biodegradation of contaminant
Provides a natural and ecologically sound approach to remediation

CHEMCROBE™ 715 bacteria in dry form is a blend of naturally occurring bacterial cultures ideally suited to degrading petroleum and refined hydrocarbon fractions. It is specifically designed to degrade the light-distilled oil fractions, as well as the heavier fractions such as number 4, 5, and 6 fuel oils, crude oil and coal tar.

The product has also been used successfully to rapidly degrade other compounds such as alcohols, ketones, and phthalates. It is designed for use in oil refinery wastewaters and in soil remediation.

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 100°F.

Feeding: Material should be dispersed in warm (70°F to 100°F) water (1 lbs/2 gal water), stirred and agitated for two to four hours, after which the suspension should be added to the system. For specific application rates contact your Baker Hughes representative.

Feed System

CHEMCROBE 715 should be applied continuously using a proportioning chemical feed pump.

Application rate should be determined by 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 715 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 ⁹ viable organism/g
Moisture content	8%