



MicroSynergies[®]
bringing technology and people together.[®]

MicroChoice[®] HCT Hydrocarbon Treatment

A concentrated, dry blend of stabilized bacterial spores and micronutrients formulated for use in the degradation of petroleum-based hydrocarbons.

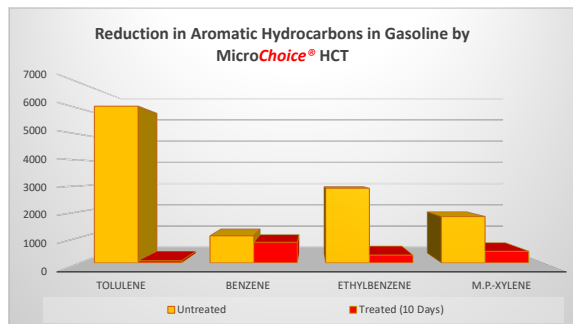
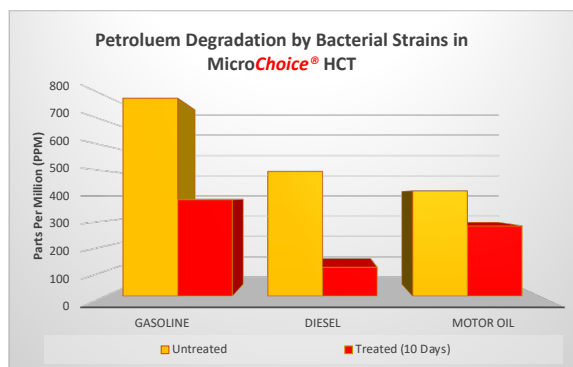
Refinery wastewater contains petroleum hydrocarbons and non-petroleum organic wastes. For this reason, **MicroChoice[®] HCT** contains a synergistic blend of petroleum degrading and organic waste degrading bacterial strains.

Each strain in **MicroChoice[®] HCT** was selected to work under diverse environmental conditions and provide the most complete digestion of petroleum and petroleum degradation by-products.

MicroChoice[®] HCT contains proven petroleum degrading strains. As shown in the two graphs on the right, gas chromatograph analysis confirmed that these strains metabolize hydrocarbon products such as gasoline, oil, diesel, and BTEX (Benzene, Toluene, Ethylbenzene, and Xylene).

The bacterial cultures in this blend are also beneficial in treating soil tainted with hydrocarbons. Soil treatments can be spray applied or tilled into the

contaminated soil. The addition of nutrients in soil applications to balance the system often shows increased activity.



MicroChoice® PHP Specifications

Guaranteed Minimum Bacterial Concentration:

4 Billion CFU/g (1.8 Trillion CFU/pound)

Applications:

- Petroleum contaminated wastewater
- Marine bilges
- Car/Truck washes
- Soil remediation

Product Profile:

Multiple Bacillus and Pseudomonas Species

- Naturally occurring, non-engineered
- Aerobes and facultative anaerobes
- Highly motile
- Positive chemotaxis
- 100% Stabilized bacterial spores (*Bacillus*)

Bacterial Enzyme Production:

Amylase, Protease, Lipase, Esterase, Urease, Cellulase, Xylanase, and a series of Hydrocarbon degrading enzymes

Appearance:

Dry, tan, free-flowing powder

Effective pH Range:

5.0 – 10.0

Effective Temperature Range:

5°C - 55°C (40°F - 130°F)

Shelf Life:

One year at 21°C (70°F)

Standard Packaging:

One pound water soluble packets in 25 pound pails or bulk powder 325 pound drums.

Custom Products:

Contact us for alternative formulations and packet sizes to meet your desired specifications.

Storage and Handling:

Store in a cool, dry location. If exposed to skin or eyes wash thoroughly with water.

The bacteria are stabilized to insure long-term stability and extended shelf life.

The information herein is true and accurate to the best of our knowledge; however, this product information sheet is not to be considered as a guarantee expressed or implied, or as a condition of sale of this product.