ULTRATECH INTERNATIONAL, INC.

Ultra-Archaea®
CLAY BASED FORMULA

SPCC MADE IN USA

Technical Data Sheet

PRODUCT DESCRIPTION

Ultra-Archaea contain oil-degrading beneficial microbes that are blended into an absorbent powder. It is designed to metabolize a wide range of petroleum and hydrocarbon contaminants. It is an archaea-based consortium consisting of aerobic, anaerobic and facultative anaerobic species which provide broad spectrum remediation activity.

TECHNICAL INFORMATON

Concentration	Ultra-Archaea contain 5 billion microbes per gram
Reproduction	Working population doubles every 20 minutes under ideal conditions
Activated Lifespan	Approximately 3-4 months, depending on conditions
Shelf Life and Storage	• 5 Years • Keep dry • Avoid direct sunlight • Keep away from all chemicals or '-cides' which may kill microbes on contact • -20°F - 140°F. Stable temperatures preferred. Avoid wide temperature fluctuations
Cultivation	• 100% naturally-occurring and cultivated • Non-GMO • Non-Pathogenic • Non-Freeze Dried
Activation	• Safe for use around people, plants and animals, aquatic and on land • Activated by water/moisture: fresh, salt or brackish • Must have contact with contaminant to stay active • Area to be treated must have natural or exogenous nutrients. Ultra-Archaea nutrients can be added to supplement indigenous nutrients • Oxygen is needed for optimal performance. Aeration may be added to invigorate microbial activity

CONDITIONS OPTIMIZATION

pH tolerance	pH 5.5 - 10.0
Temperature tolerance	40°F - 250°F
Salinity tolerance	Up to saturation (depends on minerals)
Oxygen minimum	Min 1ppm maintained (% of formula microbes are anaerobes and facultative anaerobes, but consortium performs better with O_2)
Moisture	Humidity >10% maintained; in soil >1% moisture maintained

Disclaimer: This data contains typical properties only and should not be used for specification purposes. It is intended as a guide only. For specification and estimating purposes, contact your Ultra-Archaea representative.

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