

BioRefinery 

for PetroChemical use

BioRefinery

BioRefinery contains several types of microorganisms which can degrade aliphatic and Polynuclear Aromatic Hydrocarbon chemicals.

BioRefinery contains Microflora that survives on hydrocarbon waste substances allowing it to utilize as a source of carbon. Being extremely resistant to toxic effects of the chemical pollutant fraction and are able to multiply and metabolize in the presence of certain heavy metals. These safe, nonpathogenic microbes produce a broad spectrum of enzyme systems. Because of the diversity of the microorganisms and proprietary biological enzyme systems, this product is excellent for all types of aliphatic & aromatic hydrocarbon degradation.

ADVANTAGES

- Reduction in filamentous bulking
- Greatly reduces labor time
- Enhances BOD/COD removal
- Reduces hydrogen sulfide & sludge buildup
- Changes biomass dynamics
- Cost effective/Easy to use
- Degrades a wide range of organics
- Increases system efficiency
- Contains facultative anaerobes to work with or without oxygen
- Reduces corrosion due to sulfates
- Discharge compliance is maintained
- Increase BOD and TSS removal Efficiency



APPLICATIONS

- Activated Sludge
- Laterals
- Lift Stations
- Bioslurry's
- Sump Pits
- Injector Pits
- Digesters
- Sludge Tanks
- In Situ Remediation
- Unox
- Clarifiers
- Biostimulation
- Soil Remediation
- Parts Washers
- SBR Lagoon

DEGRADES (Partial Listing)

- Dichloroethylenes
- Heptachlor
- Hydrocarbons
- Vinyl Chloride
- Toluene
- Phenols
- Nitrophenols
- Halomethanes
- Dinitrotoluene
- Dichloroethylenes
- Benzene
- Gasoline
- Crude Oils
- Naphthalene
- Kerosene
- Diesel Fuel

PACKAGING

BioRefinery is typically packaged in 25-one lb water soluble BioPouches per pail. The product is also available in 25, 50, 100, and 400 pound containers.

TYPICAL PROPERTIES

Appearance	light tan
Fragrance	mild-earthy
Form	powder
pH	6.8-8.5
Shelf-Life	1 years/u.o.c.
Flash Point	none

PERFORMANCE PROPERTIES

Effective pH range	5.2-9.5
Effective Temperature Range	55-120 degrees F
Bacterial Enzyme Production	Facultative growth -with or without oxygen



STORAGE & HANDLING

Storage

Store in a cool, dry place

Handling

Wash hands thoroughly with warm, soapy water after handling



MICROBIOLOGICAL INFORMATION

Contents

Multiple adapted microorganisms

Growth Stimulants

Micro & Macro nutrients

BACTERIAL COUNT

BioRefinery > 1×10^9 per gram

PT. BASUKI WATER INDONESIA

JL. PULOENTUT 2
PULOGADUNG INDUSTRIAL ESTATE
JAKARTA 13260 - INDONESIA
P. +62 21 4603202
F. +62 21 4603755
E. info@basukiwater.com

www.basukiwater.com