



Bioscrub® Series

Natural irregular exfoliants based on PHB with a broad biodegradability profile

ATTRIBUTES & BENEFITS

- Provides aggressive to gentle exfoliation depending on particle size
- Available in 20 and 50 mesh sizes
- Highly sustainable biofermentation material produced from vegetable sugars
- Biodegradable in both freshwater and marine environments; not a microplastic under ECHA
- Worldwide approval except China and Canada

INCI NAME

Polyhydroxybutyrate

NATURALITY (ISO 16128)

Natural Index	0	Organic Index	0
Natural Origin Index	1	Organic Origin Index	0

SUGGESTED APPLICATIONS

Liquid surfactant detergent systems; body wash, liquid hand soap, facial cleanser, shampoo and scalp treatment. Emulsion systems, bar soap, hot pours. Skincare products and select color cosmetics (lip scrub/primer).

BIODEGRADABILITY

Freshwater (OECD 301)
Marine (OECD 306)

TYPICAL PROPERTIES	Bioscrub 20PC	Bioscrub 50PC
Color	White	White
Particle Shape	Irregular	Irregular
Melting Point °C	170 - 180	170 - 180
Density @ 25 °C (g/cc)	1.25	1.25
Maximum Particle Size (mesh)	20	50
Maximum Particle Size (µm)	840	297

Oct-23