TECHNICAL DATA SHEET

MICRO POWDERS, INC.
580 White Plains Road
Tarrytown, NY 10591
phone: 914.793.4058
fax: 914.472.7098
www.MPIpersonalcare.com

ECOSCRUB® *

Ecoscrub products are high molecular weight bio-derived powders produced from renewable resources. Ecoscrubs are designed for use as non-irritating scrub and exfoliating agents and provide the same high performance of polyethylene. They are available in a wide selection of particle size distributions that allow the formulator greater flexibility in controlling the degree of abrasiveness and scrubbing action that is desired.

These products are covered by US Patent No. 8,968,787.

PROPERTIES	TEST METHOD	ECOSCRUB 1435PC	ECOSCRUB 20PC	ECOSCRUB 40PC
Composition (INCI Name)	IR	Polylactic Acid	Polylactic Acid	Polylactic Acid
CAS No(s).		9051-89-2	9051-89-2	9051-89-2
EINECS No(s).		618-575-7	618-575-7	618-575-7
Appearance	Visual	White Powder	White Powder	White Powder
Melting Point (°C)	ASTM D4591	150-160	150-160	150-160
Density @25°C (g/cc)	ASTM D 792	1.23-1.25	1.23-1.25	1.23-1.25
Particle Size Analysis Mesh Size - Maximum Maximum Particle Size (microns)	ASTM D 1921	 14 1410	 20 840	 40 420

PROPERTIES	TEST METHOD	ECOSCRUB 50PC	ECOSCRUB 80PC	ECOSCRUB 100PC
Composition (INCI Name)	IR	Polylactic Acid	Polylactic Acid	Polylactic Acid
CAS No(s).		9051-89-2	9051-89-2	9051-89-2
EINECS No(s).		618-575-7	618-575-7	618-575-7
Appearance	Visual	White Powder	White Powder	White Powder
Melting Point (°C)	ASTM D4591	150-160	150-160	150-160
Density @25°C (g/cc)	ASTM D 792	1.23-1.25	1.23-1.25	1.23-1.25
Particle Size Analysis Mesh Size - Maximum Maximum Particle Size (microns)	ASTM D 1921	 50 297	 80 180	 100 150

REGULATORY INFORMATION

TSCA Registered
Heavy Metals: Pb < 20.0 ppm As < 3.0 ppm Conforms to CONEG Regulations

Applications: Green formulation scrub soaps, foot scrubs, exfoliating face scrubs, body scrubs, creams, liquids, gel and lotions.

*Ecocert Approved Natural or Naturally Derived

Rev. 08/15

The information contained herein is to the best of our knowledge true and correct, and any suggestions are made without guarantee, expressed or implied, since the condition of use are beyond our control. Micro Powders, Inc. Personal Care Division disclaims any liability incurred in connection with the use of these data or suggestions. Nothing contained herein shall be construed as a recommendation to infringe on any existing patents covering its material or its use.