



**URNS YOUR VISIONS INTO REALITY**

**TECHNICAL DATA SHEET**

**MICROSCRUB**

**MICROSCRUB** products are high molecular weight polyethylene powders. The **MICROSCRUB** products are best suited for use as scrub and exfoliating agents which are non-irritating to skin surfaces. The carefully controlled particle size distribution of each **MICROSCRUB** product allows the formulator the ability to select the degree of appropriate abrasiveness and scrubbing action.

**MICROSCRUB H-50PCS** is spherical in shape which allows the particles to gently roll across the skin as opposed to the non-spherical particles which provide a higher degree of abrasion.

PROPERTIES	TEST METHOD	MICROSCRUB			
		1435PC	20PC	35PC	50PC
Composition (INCI Name)	IR	Polyethylene	Polyethylene	Polyethylene	Polyethylene
CAS No(s).		9002-88-4	9002-88-4	9002-88-4	9002-88-4
Appearance	Visual	White Powder	White Powder	White Powder	White Powder
Odor		Odorless	Odorless	Odorless	Odorless
Melting Point °F (DSC)	ASTM D 4591	257-275	257-275	257-275	257-275
Melting Point °C (DSC)	ASTM D 4591	125-135	125-135	125-135	125-135
Density @25°C (g/cc)	ASTM D 792	0.92-0.94	0.92-0.94	0.92-0.94	0.92-0.94
Particle Size Analysis	ASTM E 11				
Mesh Size - Maximum		14	20	35	50
Maximum Particle Size (microns)		1410	840	500	297

**REGULATORY INFORMATION**

EINECS No(s).	200-815-3	200-815-3	200-815-3	200-815-3
TSCA Registered				
Heavy Metals: Pb < 0.6 ppm As < 1.0 ppm	Conforms to CONEG Regulations			

PROPERTIES	TEST METHOD	MICROSCRUB		
		80PC	100PC	H-50PCS
Composition (INCI Name)	IR	Polyethylene	Polyethylene	Polyethylene
CAS No(s).		9002-88-4	9002-88-4	9002-88-4
Appearance	Visual	White Powder	White Powder	White Powder
Odor		Odorless	Odorless	Odorless
Melting Point °F (DSC)	ASTM D 4591	257-275	257-275	257-275
Melting Point °C (DSC)	ASTM D 4591	125-135	125-135	125-135
Density @25°C (g/cc)	ASTM D 792	0.92-0.94	0.92-0.94	0.94-0.96
Particle Size Analysis	ASTM E 11			
Mesh Size - Maximum		80	100	50
Maximum Particle Size (microns)		180	150	297

**REGULATORY INFORMATION**

EINECS No(s).	200-815-3	200-815-3	200-815-3
TSCA Registered			
Heavy Metals: Pb < 0.6 ppm As < 1.0 ppm	Conforms to CONEG Regulations		

**Applications:** Exfoliating scrub soaps, foot scrubs, exfoliating face scrubs, body scrubs, creams, liquids, gels & lotions.

Rev. 3/2007