

**Microspersion® 418AL-40** 

A nonionic water based dispersion of aluminum oxide modified carnauba wax for maximum scratch resistance with surface slip, clarity and gloss retention. Also useful as an additive in seed coatings

**Features and Benefits**

- Convenient, ready-to-use, pourable nonionic wax dispersion
- Natural carnauba wax composite reinforced with 300 nm aluminum oxide nanoparticles (Mohs Hardness 9)
- Provides maximum scratch resistance with surface lubricity
- Does not adversely affect clarity or gloss
- Composite wax/aluminum oxide particle is less abrasive on processing equipment compared to free aluminum oxide
- In seed coatings, improves anti-blocking, flow, and abrasion resistance

**Dry Wax ID**

MicroKlear 418AL

**Renewable Carbon Index**

>90%

**Recommended Addition Levels**

2.0-5.0% (on total formula weight)

**Systems and Applications**

Water based coatings. Industrial coatings (including plastic, metal and leather); architectural trim paints; stains, sealers and varnishes; wood coatings; printing inks and OPV's (including flexo and gravure). Seed and agricultural coatings.

**Typical Properties\***

	<u>Microspersion 418AL-40</u>
<b>Wax Solids</b>	40%
<b>Viscosity @ 25 ° C (cP)</b>	1,000 - 5,000
<b>pH</b>	6.0 - 8.0
<b>Density @ 25 ° C (g/cc)</b>	1.02
<b>NPIRI Grind</b>	2.0 - 3.5