

# MICRO-DUR™

## Hybrid Polymer Dispersion

### CHEMICAL FORMULA

Li<sub>2</sub>SiO<sub>3</sub>

### CAS NO.

12627-14-4

### PRODUCT DESCRIPTION

MICRO-DUR™ Hybrid Polymer Dispersion is a speciality organic-inorganic hybrid micro-dispersion composed of nano-silica, lithium silicate and silicon in a resin matrix. The specifically engineered composition and self-cross-linking mechanism provides superior hardness, durability, adhesion, chemical and stain resistance to waterborne clear topcoats, varnishes, and stains.

### APPLICATIONS

MICRO-DUR™ Hybrid Polymer Dispersion can be diluted as a protective topcoat finish when applied in micro-thin layers. It is an easy to formulate, water-based, low VOC coating that offers excellent water resistance, enhanced gloss and excellent color brightness retention.

### PRODUCT SPECIFICATIONS

Parameter	Specifications
Appearance	White liquid, dries clear
Micro-film forming	Yes
Freezing point (°F, °C)	32, 0
Odor	Slight ammonia-like odor
pH	11 – 12
Specific gravity	~ 1.06
Total solids (%)	~ 21.4
VOC content (g/L)	< 50

### PACKAGING

Material is available in 55 gal drums and 275 gal IBCs. Further packaging options may be available upon enquiry.

### STORAGE

Product should be stored in a dry place away from direct sunlight in sealed, original packaging. The shelf-life is 12 months from the packing date.

### SAFETY

Information on toxicity, safety, handling, storage and disposal is contained in the Safety Data Sheet (SDS) for this product.

## LIMITED WARRANTY INFORMATION.

### PLEASE READ CAREFULLY.

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For more information or answers to questions about the use in specific applications, contact your Technical Sales Representative or call Toll Free 1.833.LITHUSA (1-833-548-4872).

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