

MICRO-DUR™

Hybrid Polymer Dispersion

CHEMICAL FORMULALi₂SiO₃**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

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.

LIMITED WARRANTY INFORMATION.

PLEASE READ CAREFULLY.

Lithium Salts of America (a Division of ASG Chemical Holdings, LLC. ASG CHEMIE) believes the information in this document to be accurate as at the date of preparation noted below, but, to the maximum extent permitted by law, Lithium Salts of America accepts no responsibility for any loss or damage caused by any person acting or refraining from action because of this information. The provision of this information should not be construed by anyone as a recommendation to use this product. No one should use any product in violation of any patent or other intellectual proprietary rights or in breach of any statute or regulation. Users should rely on their own knowledge and inquiries and make their own determination as to the applicability of this information in relation to their particular purposes and specific circumstances. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace and in conjunction with other substances or products.

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).

Visit our website at www.lithiumsalts.com