Lith™

MICRO-DUR™

Hybrid Polymer Dispersion

PRODUCT DESCRIPTION

MICRO-DUR™ is a water-based organic-inorganic hybrid polymer dispersion incorporating nano-silica, lithium silicate and silicon within a resin matrix. Its self-crosslinking mechanism is designed to enhance hardness, adhesion, durability, and resistance to chemicals and staining in waterborne clear coatings, varnishes and stains.

KEY FEATURES

- Organic-inorganic hybrid polymer technology
- Self-crosslinking formulation for improved coating performance
- Enhances surface hardness and durability
- Improves adhesion and resistance to chemicals and staining
- Provides water resistance and gloss enhancement
- Low-VOC, water-based formulation
- Supports colour brightness retention in clear finishes

APPLICATIONS

- Waterborne clear topcoats and protective finishes
- Varnishes and wood stains
- Micro-thin protective coating layers
- Decorative and industrial surface coatings
- Water-based coating formulations requiring enhanced durability

LIMITED WARRANTY INFORMATION.
PLEASE READ CAREFULLY.

Chemport Pty Ltd provides the information contained in this document in good faith based on the best knowledge available at the time of publication. While we believe the information to be accurate and reliable, it is intended for general guidance only and is provided without warranty of any kind, express or implied.

Users are solely responsible for determining the suitability of this product for their specific application and for ensuring compliance with all relevant regulations, industry standards, and intellectual property rights. The product must not be used in violation of any law, statute, or thirdparty rights.

Chemport Pty Ltd shall not be liable for any direct, indirect, or consequential loss or damage arising from the use of this product or reliance on the information provided in this document. Users should refer to the current Safety Data Sheet (SDS) and perform their own evaluations, including any necessary testing, to confirm the product's suitability for use in their particular conditions.

This document is subject to revision without notice as new data becomes available.

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PRODUCT SPECIFICATIONS

PARAMETER	TYPICAL VALUE
Appearance	White liquid, dries clear
Micro-film Forming	Yes
Freezing Point	0°C
Odour	Slight ammonia-like odour
pH	11–12
Specific Gravity	Approx. 1.06
Total Solids	Approx. 21.4%
VOC Content	<50 g/L

PACKAGING

Available in 208 L drums and 1,040 L intermediate bulk containers (IBCs). Alternative packaging options may be available upon request.

STORAGE & HANDLING

Store in original, tightly sealed containers in a cool, dry area away from direct sunlight. Protect from freezing and contamination. Keep containers closed when not in use and avoid prolonged exposure to air.

SAFETY

Avoid contact with skin and eyes. Wear appropriate personal protective equipment, including protective gloves and safety glasses, during handling and application.

Refer to the current Safety Data Sheet (SDS) for detailed information on hazards, safe handling, storage, transport and disposal.