

PRODUCT DATA BULLETIN

Description and Typical Applications

INDULIN MQ3 is an emulsifier for cationic quick-set and micro-surfacing emulsions. INDULIN MQ3 is specially designed to give improved control of mixing and curing properties with a wide range of aggregates and processing conditions. Emulsions based on INDULIN MQ3 give mixes that display excellent workability and flow, even with aggressive aggregates and under high-stress field conditions. INDULIN MQ3 also works extremely well in production of emulsion in plants with heat exchangers. INDULIN MQ3 can be diluted for use as a liquid retarder.

Typical Properties

Physical form at 25°C (77°F)	Brown liquid
Density, lb/gal at 25°C (77°F)	8.56
Solids, %	100
Specific gravity, g/cm ³ at 25°C (77°F)	1.027
Viscosity, cps, 25°C (77°F)	7,400

Typical Emulsion Formulations

<u>Emulsion Type</u>	<u>CQS</u>	<u>Micro-Surfacing</u>
Asphalt, wt%	62	62-63
INDULIN MQ3, wt%	1.2-1.8 ¹	1.5-2.0 ¹
Latex, wt%	0-3	3-4
pH, adjusted with HCl	1.5-2.5	1.5-2.5
Water, wt%	to 100.0	to 100.0

¹This dosage range gives favorable emulsion properties and mix performance using a variety of bitumens and aggregates. Variations in bituminous materials, aggregate properties, processing equipment, and application conditions, however, may require dosage optimization.

Storage

INDULIN MQ3 is typically stored at ambient temperatures of 20-25°C (68-77°F). Mild heating may be used to facilitate pumping, but INDULIN MQ3 should **not** be stored at or heated to temperatures in excess of 60°C (140°F) for a prolonged period.

Shipping

Freight Classification:	Not regulated by DOT as a hazardous material
Availability:	55-gal. non-returnable metal drums [470-lb. (213.2-kg.) net weight]
Shipping Point:	Charleston, SC, USA

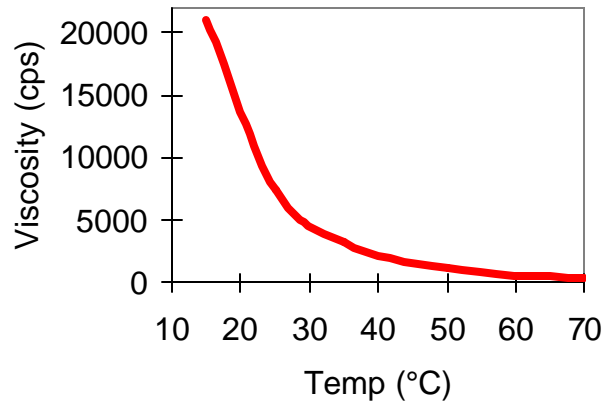
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Safety: Always refer to the Material Safety Data Sheet for detailed information on shipping, handling, storage, and use.

Important: The information provided herein is believed to be accurate and reliable, but is presented without guarantee on the part of MeadWestvaco Corporation. Further, nothing contained herein shall be taken as an inducement to violate any patent rights.

Viscosity Curve



INDULIN MQ3

CAS Registry No.: Components Listed in TSCA Inventory

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