
PRODUCT DATA BULLETIN

Description and Typical Applications

INDULIN SA-L is an easily handled, lignin-based emulsifier specifically designed to produce a slow-setting, anionic grade of asphalt emulsion, as designated in ASTM D-977. Incorporated with other emulsifiers, it can be used as a stabilizer in medium-setting or rapid-setting grades of asphalt emulsions.

INDULIN SA-L produces an emulsion with the following characteristics:

- Storage and pump stability
- Stability upon dilution
- Passes cement mix test
- Suitable for base stabilization projects

Typical Properties

Physical form	Brown liquid
Density, lb/gal, 25°C (77°F)	9.6
pH, 15% aqueous, w/v, 25°C (77°F)	11.7
Solids, %	40
Specific gravity, 25°C (77°F)	1.148
Viscosity, cps, 25°C (77°F)	1620

Use of INDULIN SA-L

Typical Formulation by Weight

Asphalt, %	63.0
INDULIN SA-L, %	2.5
Water, %	34.5

Note: Due to the long-term storage of many industrial emulsions, it is recommended that a biocide be incorporated into the formulation.

Storage

INDULIN SA-L is typically stored at temperatures of 38-50°C (100-122°F), but INDULIN SA-L should **not** be exposed to temperatures in excess of 60°C (140°F) for prolonged periods. Agitation and/or recirculation prior to use of the material is also recommended.

Shipping

Freight Classification:	Lignin liquor
Availability:	Tank car, tank truck, 55-gal. non-returnable metal drums [525-lb. (238.1-kg.) net weight]
Shipping Point:	Charleston, South Carolina and South Gate, California, USA

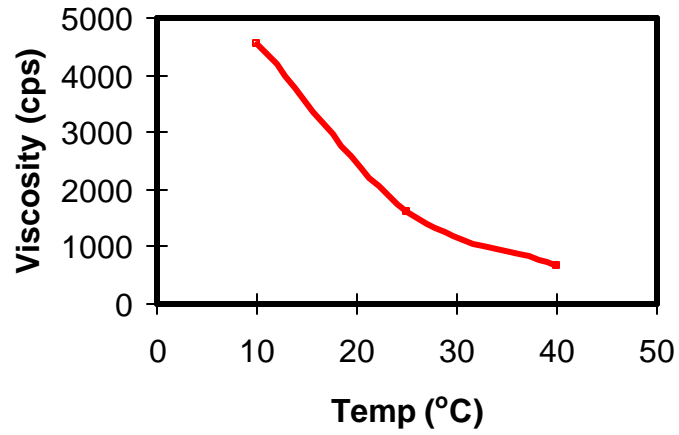
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Safety: Always refer to the Material Safety Data Sheet for detailed information on shipping, handling, storage, and use.

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 SA-L

CAS Registry No.: Components listed in TSCA Inventory

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