

Alcogum[®] SL-827

Water-soluble thickener for anionic bitumen or oil emulsions that is stable at high emulsion temperatures

Benefits and features

- Easy to use:**
 Alcogum SL-827 is a low viscosity liquid thickener easy to incorporate in the soap phase of anionic emulsions. It should be added before addition of alkali. Alcogum SL-827 may be post added into emulsion, but in that case should be diluted 1-3 times in water to ensure good distribution.
- High emulsion temperature stability:**
 It provides more stable viscosity than with other commercial thickeners over a period of time when emulsions are stored at temperatures above 55°C
- Higher viscosity:**
 The product provides higher viscosity, allowing specifications to be met at the lowest residue content and preventing settlement during storage
- Improved emulsion quality:**
 The use of Alcogum SL-827 in the soap solution generally, results in smaller emulsion particle size and allows a reduction in emulsifier dosage

Storage and handling

Alcogum SL-827 contains water and may be stored in 316 stainless steel, fiberglass or polyethylene tanks. Bulk stores need not be heated but protect the product from freezing which can cause coagulation. Alcogum SL-827 maybe be slightly irritating to skin and eyes. Protective goggles and gloves are recommended when handling this product. For further information consult the Safety Data Sheet.

Packaging information

Alcogum SL -827 is available in bulk delivery or in one-way totes (IBCs) of 2275 lbs(1032 kg) net weight.

Dosage

Anionic emulsion 50-65% residue	0.2-0.5%	pH 10-11.5
Anionic emulsion 30-50% residue	0.3-0.6%	pH 10-11.5

Specification

Solids, %	29-31	
pH	2.2-3.5	

Physical properties

Appearance at 25°C (77°F)	white emulsion
Flash point, °C	>100 (>212°F)
Pour point, °C	0 (32°F)
Density, g/cc at 25°C (77°F)	1.06
Density, lbs/U.S. gal at 25°C (77°F)	8.82
Viscosity, mPa s (cP) at 25°C (77°F)	approx 20

Physical properties are typical data based on our own measurements or derived from the literature. They do not constitute part of the delivery specification.

Notes

More information on the storage and handling of Alcogum thickeners is available.

For more information and sample formulations contact us at asphalt@nouryon.com.

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