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| Final Products Datasheet<br><br>(LMF-09-04) |  <br><b>Alexandria Specialty Petroleum Products Company (ASPPC)</b> | Version Number            | 1          |
|                                             |                                                                                                                                                                                                                                        | Release Date              | 01/12/2022 |
|                                             |                                                                                                                                                                                                                                        | Revision Number           | 0          |
|                                             |                                                                                                                                                                                                                                        | Revision Date             | 01/12/2022 |
|                                             |                                                                                                                                                                                                                                        | The Chemical Laboratories |            |

## Medium Curing Cutback Asphalt (ASPPC 101S)

### DESCRIPTION

**ASPPC 101S** is medium curing cutback asphalt (MC-30), suitable for use in the construction and maintenance of pavements. Complies with the international standard specification ASTM D2027.

### FEATURES

- Ideal for prime coat.
- High flash point.
- Cold applied, easy to use, no need for thinning or heating.
- Waterproofing of surfaces, Plug capillary voids.
- Coat and bond loose mineral particles.

### RECOMMENDED USES

- It's typically used as a prime coat of the base course prior to placing of the bituminous surface course and in construction as well as the maintenance of pavements as designated in ASTM D2399. It binds the granular material of the base course to the asphalt layer.
- Priming consists of initial incorporation of asphalt into the surface of a non-asphalt base course preparatory to any superimposed treatment of construction. The object of priming is to waterproof the surface, plug capillary voids; coat and bond loose mineral particles, harden or toughen the surface, and promote adhesion between it and the superimposed treatment or construction.

### SPECIFICATIONS

| Physical Properties                                             | Test Methods | Specification<br>ASTM D2027 |
|-----------------------------------------------------------------|--------------|-----------------------------|
| Kinematic viscosity at 60°C, cSt                                | ASTM D 2170  | 30-60                       |
| Flash point, COC, °C                                            | ASTM D 92    | 38 min                      |
| Water, %                                                        | ASTM D 95    | 0.2 max                     |
| Distillate test: (% Volume of total distillate to 360°C)        |              |                             |
| Distillate to 225°C                                             | ASTM D402    | 35 max                      |
| Distillate to 260°C                                             |              | 30-75                       |
| Distillate to 316°C                                             |              | 75-95                       |
| Residue from distillation to 360°C, %<br>(Volume by difference) |              | 50 min                      |
| Tests on residue from distillation:                             |              |                             |
| Viscosity @ 60°C, Pa.s <sup>A</sup>                             | ASTM D4402   | 30-120                      |
| Ductility, 25°C, 5cm/min, cm, min                               | ASTM D113    | 100                         |
| Solubility in trichloroethylene, %wt, min                       | ASTM D2042   | 99.0                        |

<sup>A</sup> Instead of viscosity of the residue, the specifying agency, at its option, can specify Penetration 100g: 5 s at 25°C of 120 to 250 dmm. However, in no case will both be required.

### COVERAGE

- 1-1.5 kg/m<sup>2</sup> for prime coat, depend on the surface texture and weather condition.

### INSTRUCTIONS FOR APPLICATION

- Spray ASPPC 101S at a specified rate using a distributor truck.
- The distributor truck must be equipped with a pressure pump meeting the requirements of pumping flammable materials and with a device to accurately measure the rate of application of the liquid asphalt.
- After application the diluent evaporates (depending on the weather conditions), leaving asphalt cement to perform its function.

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#### HEALTH & SAFETY

- ASPPC 101S is flammable.
- Workers should wear protective tools; such as gloves and goggles, during application.
- ASPPC 101S must not be swallowing.
- If swallowed, CALL PHYSICIAN IMMEDIATELY.
- In case of eye contact, open eyelids wide and flush immediately with plenty of water for at least 15 minutes. Get medical advice.

#### PRECAUTIONS

- ASPPC 101S contains volatile solvent and has a low flash point. Care must be taken to ensure that there is adequate ventilation in the working place.
- Working temperature of ASPPC 101S is the room temperatures (25°C), in all cases the working temperature not exceeding 60°C.
- Fires and naked flames should be kept at a distance.

#### STORAGE

- Store ASPPC 101S in a dry and shaded area in original packing.
- The container should be kept covered while working in order to prevent the evaporation of solvent.
- Store ASPPC 101S for two years in its original packaging.

#### PACKING

- ASPPC 101S is supplied in bulk and/or 200-liter steel drums.

#### DISCLAIMER

This Product Data Sheet summarizes our best knowledge of the product, including how to use and apply the product based on the information available at the time. You should read this PDS carefully and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied. ASPPC co. does not accept any liability either directly or indirectly for any losses suffered in connection with the use or storage or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.