ArrTekk® 1295LV is an asphalt emulsifier chemical used to produce high performing micro-surfacing emulsions conforming to typical specifications, including the International Slurry Surfacing Association (ISSA) A143 Recommended Performance Guideline For Micro-Surfacing. ArrTekk 1295LV is water soluble and can also be used as a break control additive to extend mixing times in the field when added through the paving machine. A preventative maintenance application, micro-surfacing provides an aesthetically pleasing skid resistant surface that restores pavement profile and seals the underlying pavement protecting it from further deterioration.

Applications:

- **Micro-Surfacing**
- **Break Control Additive**

### Features and Benefits:

**Extended Micro-Surfacing Life Cycle**
Strong adhesion for less whip-off, less raveling and lower 6-day Wet-Track Abrasion (WTAT) loss provides greater durability and longer life cycle

**Easy Mixing and Lay-Down in Extremely Hot Conditions**
Plenty of mix time with warm pavement, aggregate, air and emulsion temperatures for easy lay-down and greater production rates

**Quicker Traffic Return Time in Cool Conditions and Night Time Paving**
Easy control of chemical break in cooler weather and at night for sooner traffic return and greater production rates

**Easy to Handle**
Low viscosity and water soluble

### Compatibility:

**Asphalt**
Easily emulsify all asphalt types including paraffin-rich and SBS-modified

**Polymer Modifiers**
Compatible with SBR and natural latexes

**Aggregates**
Can be formulated to perform with both reactive and unreactive aggregates of various types, including granite, diabase, basalt, chert, limestone and sandstone

### Usage Recommendations:

#### Typical Emulsion Formulation:

<table>
<thead>
<tr>
<th></th>
<th>ArrTekk 1295LV</th>
<th>Hydrochloric Acid (HCl)</th>
<th>SBR or natural Latex</th>
</tr>
</thead>
<tbody>
<tr>
<td>Micro-Surfacing:</td>
<td>3.0 - 4.0% by weight of emulsion</td>
<td>to soap pH of 1.4 - 2.0</td>
<td>3.0 - 3.5%</td>
</tr>
<tr>
<td>Break Control Additive:</td>
<td>0.03 - 0.06% by weight of dry aggregate</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Typical total residue of emulsion is 62 – 65%.

6502 South Yale Avenue, Tulsa, OK 74136  |  918-960-3800 www.roadscience.net
ArrTekk® 1295LV
Cationic (+) Micro-Surfacing Emulsifier
Chemistry to Lengthen Micro-Surfacing Life Cycle and Enable Mix Control in Harsh Conditions

Availability:
ArrTekk 1295LV is available for shipment in bulk by railcar and tanktruck. Packaged quantities are available in 275 gal/1,041 L IBC totes (2,200 lb/997.9 kg net weight) and 55 gal/208 L metal drums (440 lb/199.6 kg net weight).

Physical Characteristics:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance, 77°F (25°C)</td>
<td>Straw-Colored Liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Amine</td>
</tr>
<tr>
<td>Density, 77°F (25°C)</td>
<td>8.37 lbs/gal (1.00 kg/L)</td>
</tr>
<tr>
<td>Viscosity, 77°F (25°C)</td>
<td>1,700 cps</td>
</tr>
<tr>
<td>Pour Point</td>
<td>&lt; 45°F (7°C)</td>
</tr>
<tr>
<td>TSCA Inventory</td>
<td>Listed</td>
</tr>
<tr>
<td>C.A.S. Number</td>
<td>Proprietary</td>
</tr>
</tbody>
</table>

*The density and viscosity data reported are typical and not specifications. Typical ranges for density and viscosity values are ± 2 and ± 20%.

Handling and Storage:
Always handle ArrTekk products in accordance with Safety Data Sheet (SDS) and proper safety procedures. Avoid product contamination with other materials. Do not heat product in excess of 140°F (60°C) for prolonged periods. Recommended product storage and handling temperature range is 70 – 120 °F (21 – 49°C).

Technical Support:
To request additional product information, contact your regional Road Science representative. You can also contact us at 918-960-3800 or customerservice@roadscience.net, or visit our website at www.roadscience.net.