AD-here® SC-901
Performance Improving Additive

TECHNICAL DATA SHEET

CHEMISTRY FOR LONGER LASTING AND MORE DURABLE COLD PATCH STOCKPILE MIX, PAVEMENT SEALERS AND CHIP SEALS

AD-here SC-901 is an additive engineered to promote adhesion in cold applications with wet stone and asphalt cutbacks, asphalt emulsions, and clay-stabilized asphalt and Refined Coal Tar (RT) emulsions. When added to pavement sealer emulsions, AD-here SC-901 can provide increased emulsion viscosity and yield pavement sealers that conform to typical industry specifications, including the Asphalt Sealcoat Manufacturer’s Association (ASMA) recommended seal coat specification and Federal Aviation Administration (FAA) specifications P-630 and P-631 for Coal Tar Emulsions.

APPLICATIONS
- **Cold Patch Stockpile Mix:** Used to maintain streets and fill potholes during the winter months when hot mix is not readily available.
- **Pavement Sealer:** Preventative maintenance for pavements with low-traffic speeds and tight turning radiiuses, provides protection from moisture damage, oxidation and wear.
- **Chip Seal:** Preventative maintenance for low volume roads, provides added skid resistance and protection from moisture damage, oxidation and wear.

FEATURES
- **Cold Patch Stockpile Mix**
  - Easily Coat Cool, Damp, Dusty Aggregates
  - Efficiently coat challenging aggregates with excess moisture
- **Eliminate Stockpile Stripping**
  - Better coating, increased film thickness and stronger adhesion protect stockpiles from major rain events
- **Extend Life of Cold Mix Patch**
  - Strengthens bonding of patch to pothole substrate in the presence of water and protects patch from moisture damage
- **Pavement Sealers**
  - Better Particulate Suspension and Increased System Stability
  - Increases viscosity and body of sealer emulsions allowing for better suspension of fibers, fillers and other additives
- **Extend Life of Sealer Application**
  - Improves sealer wetting and coverage of substrate, strengthens bonding of sealer to substrate and improves abrasion wear for better durability
- **Chip Seal**
  - Extend Life of Chip Seal Application
  - Chips adhere to road longer through protection from moisture damage

COMPATIBILITY
- **Asphalt Cutbacks**
  - Compatible with all types of asphalt cut-backs
- **Asphalt Emulsions and RT Emulsions**
  - Compatible with anionic, anionic high float, cationic, RT and clay-stabilized emulsions
- **Aggregates**
  - Compatible with damp and dusty aggregates of various types, including granite, diabase, basalt, chert, limestone, dolomite, sandstone, slag and recycled asphalt pavements (RAP)
- **Polymer Additives**
  - Compatible with SBS-modified asphalts, SBR, natural and acrylic latexes
- **Compounding Additives**
  - Compatible with most clays, fibers, fillers, pigments and other compounding additives used in producing pavement sealers

ArrMaz
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USAGE RECOMMENDATIONS

<table>
<thead>
<tr>
<th>AD-here SC-901, % bwac</th>
<th>Application</th>
<th>Emulsifier, % bwe</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cut-Back</td>
<td>0.50 – 1.50%</td>
<td>Cold Patch Mix</td>
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<tr>
<td></td>
<td></td>
<td>-</td>
</tr>
<tr>
<td>Asphalt Emulsion</td>
<td>0.50 – 1.00%</td>
<td>Cold Patch Mix</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ArrMuls® 201, 1.00 – 1.50%</td>
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<tr>
<td>Asphalt Emulsion</td>
<td>0.20 – 0.40%</td>
<td>Pavement Sealer</td>
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<td>ArrMuls 1315, 1.60 – 2.00%</td>
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<tr>
<td>Clay-Stabilized Asphalt or RT Emulsion</td>
<td>0.20 – 0.40%</td>
<td>Pavement Sealer</td>
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<tr>
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<td></td>
<td>ACRA 880, 0.75 – 1.00%</td>
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<tr>
<td>Chip Seal</td>
<td>0.20 – 0.40%</td>
<td>Chip Seal</td>
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<td></td>
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<td>ArrTekk® 710, 0.24 – 0.30%</td>
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</tbody>
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For best results, add SC-901 to the asphalt or RT prior to emulsification. Alternatively, SC-901 can be added to the soap phase.

PHYSICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
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<tbody>
<tr>
<td>Appearance, 100 °F (38 °C)</td>
<td>Straw Colored Liquid</td>
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<tr>
<td>Density, 100 °F (38 °C)</td>
<td>7.4 lb/gal (0.9 kg/L)</td>
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<tr>
<td>Viscosity, 100 °F (38 °C)</td>
<td>200 cP</td>
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<tr>
<td>Pour Point</td>
<td>&lt; 80 °F (27 °C)</td>
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<tr>
<td>TSCA Inventory</td>
<td>Listed</td>
</tr>
</tbody>
</table>

The density and viscosity data reported are typical and not specifications.

HANDLING AND STORAGE

Always handle AD-here 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 160 °F (71 °C) for prolonged periods. Recommended product handling temperature range is 90 – 120 °F (32 – 50 °C).

AVAILABILITY

AD-here SC-901 is available for shipment in bulk by tank truck. Packaged quantities are available in 275 gal/1,041 L IBC totes (1,900 lb/861.8 kg net weight) and 55 gal/208 L metal drums (380 lb/172.4 kg net weight).

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.