**AD-HERE® ULTRA P**  
Asphalt Mix Performance-Improving Additive

**TECHNICAL DATA SHEET**

**COMPACITION AID WITH LIQUID ANTI-STRIP**  
**ENGINEERED FOR NATURAL SANDS AND GRAVELS**

AD-HERE ULTRA P is an asphalt additive that allows for easier field compaction and stronger adhesion of the asphalt binder to aggregate. It safeguards pavements against destructive forces such as traffic loading, water intrusion and oxidation, leading to reduced pothole formation, cracking and rutting for safer, smoother and longer-lasting roads. AD-HERE ULTRA P chemistry is specifically formulated for the challenging natural sand and gravel aggregates of the United States, and is used to design mixes that conform to typical specifications including AASHTO T283: *Method of Test for Resistance of Compacted Bituminous Mixture to Moisture Induced Damage*, AASHTO T324: *Method of Test for Hamburg Wheel-Track Testing of Compacted Hot Mix Asphalt (HMA)* and AASHTO R35: *Standard Practice for Superpave Volumetric Design*.

### APPLICATIONS

**Asphalt Paving**

### FEATURES

**PROMOTES BETTER ADHESION TO NATURAL SANDS AND GRAVELS**
Formulated specifically for the challenging surface chemistry of natural sand and gravel aggregates in the U.S.

**RELIABLE ANTI-STRIPPING EFFECTIVENESS**
Passes tensile strength ratio (TSR) and Hamburg Wheel Tracking tests

**EASIER FIELD COMPACTION**
Enables increased mat density with fewer roller passes, even with high recycled asphalt pavement (RAP) mixes

**BETTER MIX WORKABILITY**
Enables easier hand-work in paving applications

**HEAT STABILITY**
Remains effective several weeks in hot asphalt

### COMPATIBILITY

**ASPHALT**
Compatible with most asphalts including those modified with styrene-butadiene-styrene (SBS), styrene-butadiene rubber (SBR), ethylene-vinyl acetate (EVA) polymers, ground tire rubber (GTR) and recycled asphalt shingles (RAS)

**AGGREGATES**
Compatible with various aggregate types including granite, diabase, diorite, basalt, gabbro, rhyolite, andesite, dacite, chert, quartzite, gneiss, limestone, dolomite, marble, sandstone, natural sand and gravel, slag and RAP

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**USE AD-HERE ULTRA P WHEN YOU NEED:**
- Faster and easier compaction
- To pass TSR and Hamburg tests with mix designs containing natural sand and gravel

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6502 South Yale Avenue, Tulsa, OK 74136  
918-960-3800 | www.roadscience.net
OPTIONS FOR ADDING AD-HERE ULTRA P TO ASPHALT:
1. Add to asphalt storage tank and agitate mechanically or through pump circulation
2. Add at asphalt terminal by injecting into asphalt line as transport tanker is being charged
3. Add at asphalt mix plant by in-line injecting into the asphalt line (continuous plant) or weigh hopper (batch plant)

NEAT AND MODIFIED ASPHALTS:
- 0.25 – 0.75% by weight of total asphalt in mix
- Usage rate should be determined by user based on degree of aggregate coating and moisture sensitivity testing at desired production temperature

USAGE RECOMMENDATIONS

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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.

PHYSICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance, 77 °F (25 °C)</td>
<td>Dark Colored Liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Ammoniacal</td>
</tr>
<tr>
<td>Density, 77 °F (25 °C)</td>
<td>8.2 lb/gal</td>
</tr>
<tr>
<td>Viscosity, 77 °F (25 °C)</td>
<td>660 cP</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 AD-here ULTRA P in accordance with Safety Data Sheet (SDS) and Road Science Asphalt Additives Handling and Storage Guidelines document. Avoid product contamination with other materials. Recommended product handling temperature range is 100 – 140 °F (38 – 60 °C). Product has paste consistency and cannot be pumped below approximately 70 °F (21 °C).

AVAILABILITY

AD-here ULTRA P is available for shipment in bulk by tank truck. Packaged quantities are available in 275 gal/1,000 L IBC totes (2,100 lb/952.5 kg net weight) and 55 gal/208 L steel drums (420 lb/190.5 kg net weight).

TECHNICAL SUPPORT

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