6410.1. **Description.** This Specification establishes the requirements for asphalt release agents (ARA) for use on truck beds, tools, and equipment. These materials must be non-petroleum, non-hazardous coating agents used to prevent asphalt and asphalt mix from adhering to surfaces without damaging the asphalt mix by stripping asphalt from the aggregate.

6410.2. **Units of Measurements.** The values given in parentheses (if provided) are not standard and may not be exact mathematical conversions. Use each system of units separately. Combining values from the two systems may result in nonconformance with the standard.

6410.3. **Material Producer List.** The Materials and Pavements Section of the Construction Division (CST/M&P) maintains the Material Producer List (MPL) of all materials conforming to the procedures and requirements of this Specification. Products appearing on that MPL, entitled “Asphalt Release Agents,” require no further sampling and testing unless deemed necessary by the Engineer or CST/M&P.

6410.4. **MPL Qualification Procedure.**

   A. **National Transportation Product Evaluation Program (NTPEP).** CST/M&P will only consider products evaluated by NTPEP for qualification. Information on submittal procedures and testing cycles is available at [www.ntpep.org](http://www.ntpep.org). Suppliers may request Department evaluation once the NTPEP testing cycle is complete.

   B. **Qualification Request.** Submit a written request for qualification to the Texas Department of Transportation, Construction Division, Materials and Pavements Section (CP51), 125 East 11th Street, Austin, TX, 78701-2483.

   Include the following information with the request:
   - company name;
   - physical and mailing addresses;
   - product name;
   - product documentation, including material safety data sheets (MSDS);
   - contact person with telephone number and email address; and
   - NTPEP product identification.

   C. **Evaluation.** CST/M&P will evaluate the NTPEP test results for conformance with this Specification. If approved for Department use, CST/M&P will add the product to the MPL.
1. **Approval for Truck Beds.** CST/M&P will list products meeting the requirements shown in Table 1 for the 7-Day Asphalt Stripping test and the Mixture Slide test as suitable for truck beds.

2. **Approval for Other Paving Equipment.** CST/M&P will list products meeting all of the requirements in Table 1 as suitable for both truck beds and for other equipment.

Changes in formulation or composition of ARA listed on the MPL are not allowed. Any changes to the product will require re-evaluation of the material after completion of a new NTPEP testing cycle.

CST/M&P will inform the supplier when evaluation is complete.

D. **Failures.** CST/M&P will reject products submitted for qualification if NTPEP test results do not meet the requirements of this Specification or if the NTPEP testing data is more than three years old. Suppliers may resubmit rejected products after evaluation in a new NTPEP testing cycle.

### 6410.5. Disqualification.

A. **Changes in Material.** The Department may at any time sample material from projects for evaluation. If the material does not meet the requirements of this Specification or if test results are substantially different from the original NTPEP test results, CST/M&P may remove the material from the MPL.

B. **Complaints.** CST/M&P will evaluate reports of poor performance of the product by Department users and will remove from the MPL products that have displayed unacceptable performance in the field. These products must undergo field trials to verify good performance before reinstatement.

C. **Reinstatement.** Suppliers may resubmit disqualified products for evaluation after completion of a new NTPEP testing cycle.

### 6410.6. Re-Qualification.

All products must re-qualify every three years. Submit a new qualification request (including new NTPEP product identification) to CST/M&P at least two weeks in advance to remain on the MPL after the expiration date shown.

### 6410.7. Material Requirements.

ARA must meet the requirements of Table 1. All testing will be in accordance with the NTPEP work plan for ARA.
Table 1
Asphalt Release Agent Properties

<table>
<thead>
<tr>
<th>Test</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-Day Asphalt Stripping Test</td>
<td></td>
</tr>
<tr>
<td>• Diluted</td>
<td>No Stripping</td>
</tr>
<tr>
<td>• Full Strength</td>
<td>No Stripping</td>
</tr>
<tr>
<td>Mixture Slide Test</td>
<td>10 g retained, max.</td>
</tr>
<tr>
<td>Asphalt Performance Test</td>
<td>Does not fail after 3 pours</td>
</tr>
</tbody>
</table>

6410.8. Packaging and Labeling. Provide material in containers necessary for the product to be complete and ready for use and that conform in strength, quality, and workmanship to the accepted standards of the industry.

The Department encourages all manufacturers to comply voluntarily with the Society of Automotive Engineers (SAE) Recommended Practice for marking of plastic parts per current SAE J1344. All plastic components furnished to this Specification should have an imprinted SAE symbol identifying the resin composition of the component so that the item can be recycled after its useful life. Manufacturers are encouraged to use recycled plastics and materials in the manufacture of their products in order to conserve natural resources, energy, and landfill space.

Each container must display:

• manufacturer’s name;
• product name;
• net weight or volume; and
• clear indication of dilution level of the product and any additional dilution needed for use.

In addition, provide instructions for use of the product with each shipment.