

QPL 21: RELEASE COMPOUNDS FOR ASPHALT MIXES

GENERAL

This evaluation procedure outlines the Department's approval process for asphalt release agents for use in truck beds.

SPECIFICATIONS

- NTPEP Review – <http://www.ntpep.org/Pages/ARA.aspx>

PROCEDURES

A completed Product Evaluation Form, safety data sheets (if applicable), product data information, and NTPEP test data, must be submitted to the Division of Materials and Tests. The Department bases product approval on a review of NTPEP data.

Review of NTPEP Evaluation Data

The asphalt release agent must be tested through NTPEP's evaluation program and must conform to these requirements:

- Contain components that do not exceed the acceptable limits and shall contain no polychlorinated biphenyls (PCBs) listed in the Resource Conservation and Recovery Act (RCRA) Hazardous Waste Code of Federal Regulations (CFR), Title 40, Part 261, Subpart D, List of Hazardous Waste.
- Have a rating no higher than zero (0) for all National Fire Protection Association (NFPA) Hazard Codes. If using the Hazardous Materials Identification System (HMIS), a rating no higher than one (1) is acceptable for Health and a zero (0) is required for both Flammability and Reactivity codes.
- Does not contain flammable materials, solvents, or petroleum elements.
- Must not flash below 400° F on the undiluted products as measured by ASTM D93.

To be included on the QPL for use on truck beds, the product must meet or exceed these requirements as tested by NTPEP:

- 7-Day Asphalt Stripping Test – Shall have a rating of *No Stripping* for both full strength and diluted strength samples.
- Mixture Slide Test – Shall have ≤ 10 grams retained.

To be used on any other plant equipment the product must also meet or exceed these requirements:

- Asphalt Performance Test – Shall have less than 10.0% binder adhere after third pour.