

RELEASE AGENTS (NON-PETROLEUM) - FOR USE IN DUMP BEDS HAULING**HOT MIX ASPHALT**

#2504 Asphalt Release	Hill Manufacturing Company, Inc. 1500 Jonesboro Road, S.E. Atlanta, Georgia 30315
Aqua Slick Kote A Aqua Slick Kote B	Industrial Oils Unlimited 4120 Planters Road Fort Smith, Arkansas 72908
AR-92	Emulso Corporation 301 Ellicott Street Buffalo, New York 14203
Asphalt Release AR-2000 Asphalt Release AR-2001	Franklynn Industries, Inc. 167 Commerce Blvd. Loveland, Ohio 45140
Asphalt Release Agent 2061 Asphalt Release Agent 5278-2 #2217 Asphalt Release Asphalt Release Agent 44791	ChemStation of the Ozarks 1213 ESI Drive Springdale, Arkansas 72764
Asphalt Release Agent 40230 Asphalt Release Agent #82851	ChemStation Mid-South 3145 Bellbrock Center Drive Memphis, Tennessee 38116
Asphalt Quick Release Phalt Free	Discovery Chemical, Inc, 2141 Carlyle Drive Marietta, Georgia 30062
Big Red Chemical Cleaner	Texas Refinery Corporation One Refinery Place Fort Worth, Texas 76101
Bioact AR-405	Petroferm, Inc. 2416 Lynndale Road Fernandina Beach, Florida 32034
BR-549	Montgomery Manufacturing Company 118 Industrial Ct. Kennedale, Texas 76060-4800
Certisuds	Certified Laboratories P.O. Box 2493 Fort Worth, Texas 76113-2493

Chemsearch Concentrate #0060	Chemsearch P.O. Box 152170 Irving, Texas 75015
Cling Free	Valvoline Co. (Div. of Ashland Inc.) P.O. Box 14000 Lexington, Kentucky 40512
Det Klean Det Klean RTU DC-12 Slip Release	Detco Industries 1375 Thomas G. Wilson Drive Conway, Arkansas 72032
Diver-Slip Liqui Lube Polyslip	DuBois Chemicals 3630 East Kemper Road Cincinnati, Ohio 45241
Enviro-Slide Ultra	Rhomar Industries, Inc. 2107 E. Rockhurst Springfield, Missouri 65802
Foam Plus Phalt Free Slide Plus	Empire Services P.O. Box 168 Canton, Georgia 30169-0168
LC-Quickslip	The Ransdal Corporation 2765 Eastport Circle Conway, Arkansas 72034
MRO Resources Slip Soap	MRO Resources, Inc. P.O. Box 258 Morrilton, AR 72110
Quick Release 2001	The American Lubricants Company 1227 Deeds Avenue, P.O. Box 696 Dayton, Ohio 45401-0696
Release	I. Schneid/ABC Compounding P.O. Box 16247 Atlanta, Georgia 30321-0247
SD-20	Spartan Chemical Co., Inc. 1110 Spartan Drive Maumee, Ohio 43537
Slipeazee SB	Rochester Midland 10525 Randleman Road Randleman, North Carolina 27317

No. 1 Asphalt Release Agent	Compound Technologies, Inc. 70 Riverside Drive Cartersville, Georgia 30120
Sta-Off	Astec Corp. 7750-650 Zionsville Road Indianapolis, Indiana 49268
Superclean 198	Superior Solvents & Chemicals, Inc. (formerly Superior Oil Company, Inc.) 2055 East Blaine Springfield, Missouri 65803
Tar Slip 7105 Tar Slip Pro 7100 Slip & Clean Pro 7150	Florida Chemical Supply, Inc. 6810 East Chelsea Street Tampa, Florida 33610
TBRA #8254	Arr-Maz Products, LP 621 Snively Avenue Winterhaven, Florida 33880
Total Release	T.W. Pelton and Company, Inc. P.O. Box 8962 Pine Bluff, Arkansas 71611
Vacate	Abernathy Company 3500 Tennessee Road Texarkana, Arkansas 71854
Zep E2008 Asphalt Release(XT-3199) Zep R-6690 Zep X-904	Zep Manufacturing Company Box 47147 Dallas, Texas 75247

METHOD OF DOCUMENTATION OF ACCEPTANCE: By brand and manufacturer.

The Department does not test these products for effectiveness as a release agent; they are tested and approved based upon their effect on asphalt cement. (See below)

Asphalt release agent compatibility will be tested by placing 2 grams of asphalt cement into 50 mL of diluted and 50 mL of undiluted release agent. After 24 hours there shall be no effect upon the asphalt cement. Any degree of asphalt cement solubility, often indicated by a darkening of the test solution, will constitute a failure.

Requirements for acquiring approval of Release Agents to be added to QPL: For inclusion in this QPL, the manufacturer shall supply a one quart sample along with product information to the Materials Division. Product information shall include: typical ranges for weight per gallon (mass per liter), percent solids (in accordance to ASTM D 1644, Method A), and pH and a Material Safety Data Sheet. The release agent shall be a non-solvent and a non-petroleum based product. The release agent shall be non-carcinogenic, environmentally safe, water soluble, and contain no solvents or petroleum hydrocarbons. The release agent shall be compatible with asphalt concrete hot mix. The release agent shall not effect asphalt cement at any dilution rate or at a 100% concentration (0% dilution) and shall leave no residue that is a hazardous waste. The Department considers a 100% concentration of the release agent to be the "as delivered" release agent. If there is no dilution of the product prior to its use, the release agent is considered to be at a 100% concentration.

Effective July 1, 2013

The following procedure must be followed in acquiring approval of materials to be added to the above Qualified Products List:

1. The manufacturer/supplier shall submit a 1 quart sample, the Materials Safety Data Sheet (MSDS) and product information, including printed instructions for application. Submitted information shall indicate in writing that the release agent is non-carcinogenic, environmentally safe, and contains no flammable materials, solvents or petroleum elements.
2. The performance of the asphalt release agent will be approved based on Department review and final results furnished to the Department from the National Transportation Product Evaluation Program (NTPEP). The supplier must furnish a written statement that the submitted product is identical to that most recently tested by NTPEP. The NTPEP results shall meet the following minimum requirements:
 - 7-Day Stripping Test at full strength shall indicate no stripping or discoloration.
 - **Mixture Slide Test shall leave a residue of 10 grams or less after three repetitions.**
 - Asphalt Performance Test shall leave a residue of 0.2 grams or less after three repetitions.
3. If the asphalt release agent meets the performance criteria, a letter and unsigned certification agreement will be sent to the manufacturer. The product will be placed on the QPL upon receipt of the signed certification agreement.
4. The product must be resubmitted to NTPEP for full testing every 3 years, or if a change in formulation, composition, or physical properties of the product occurs.

Destination samples will be taken as deemed necessary by the Materials Engineer to assure compliance with specifications. Failure of these samples either in the laboratory or in field applications is sufficient reason to reconsider acceptance of the material. Suspension of further use and/or removal from the QPL may occur until the Materials Engineer determines that the product is in compliance with applicable specifications and requirements.