Asphalt Additives

AD-here® LOF 65-00

Technical Data Sheet	
Description	AD-here® LOF 65-00 is a liquid anti-stripping agent derived from amidoamines. It increases the adhesion of asphalt cement to aggregate and reduces the potential for moisture damage. It also improves the retention of aggregates in chip seals. AD-here® LOF 65-00 unique property is its low odor characteristics.
Typical Properties	Appearance: Brown Viscous Liquid Typical Viscosity, 77°F: 900 cps Typical Viscosity, 100°F: 300 cps Density, Pounds/Gallon, 77°F: 8.05 Flash Point (P.M.C.C.): > 300°F
Features	• Very effective in reducing stripping and in increasing the tensile strength values in the AASHTO T-283, ASTM D4867, or similar test methods. • Low odor and low smoke generation at elevated temperatures when compared to most liquid anti-strips, therefore, lower fume exposure for paving crews. • AD-here® LOF 65-00 can also be used as an adhesion promoter in anionic emulsions to enhance aggregate coating. • Very effective in improving aggregate retention on chip seals. • Increases the wetting ability of asphalt cements and cutback asphalts. • DOT Shipping Non-Regulated. • Non Corrosive
Applications	AD-here® LOF 65-00 is added to the asphalt cement, typically in the amount of 0.25 - 1.0% by weight of the asphalt cement. The specific dosage should be based on a laboratory design method, such as AASHTO T-283.
Packaging	AD-here® LOF 65-00 is available in bulk quantities (1000 - 5500 gal.) and in 55 gallon non-returnable drums (420# net). It is available from our four manufacturing locations: Mulberry, Florida; Convent, Louisiana; Soda Springs, Idaho; and Vanceboro, North Carolina.
Storage and Handling	Refer to MSDS prior to handling this material. Avoid water contamination during handling and storing. For ease of pumping it is recommended to keep the product at 100° - 120°F.
TSCA Compliance	N/A

Asphalt Additives

AD-here® LOF 65-00 LS

Technical Data Sheet	
Description	AD-here® LOF 65-00 LS is an amidoamine derived asphalt anti-stripping agent. It increases the adhesion of asphalt cement to aggregate and reduces moisture damage. It is performs extremely well on calcareous rock including limestones, sandstones, and dolomites.
Typical Properties	Appearance Brown Viscous liquid Viscosity, 77°F: 3300 cps Viscosity, 100°F: 1000 cps Viscosity, 120°F: 700 CPSDensity, Pounds/Gallon, 77°F: 7.85 Flash Point (P.M.C.C.): > 300° F
Features	• Very effective in reducing moisture damage and in increasing the tensile strength ratio in performance test procedures such as AASHTO T283, ASTM D4867, and similar methods. • Non Corrosive • DOT Shipping Non Regulated. • Low odor and low fume generation at paving temperatures compared to most liquid anti-strips, therefore, lower fume exposure for paving crews.
Applications	AD-here® LOF 65-00 LS is added to asphalt in the amount of 0.25 - 1.0% by weight of the asphalt cement, depending on the asphalt and aggregate type.
Packaging	AD-here® LOF 65-00 LS is available in bulk quantities (1000 - 5500 gal.) and in 55-gallon non-returnable drums (420 pounds net). It is available from our three manufacturing locations: Mulberry, Florida; Convent, Louisiana; and Vanceboro, North Carolina.
Storage and Handling	Refer to MSDS prior to handling this material. Avoid water contamination during handling and storing. For ease of pumping it is recommended to keep the product at 100° - 140°F.
TSCA Compliance	N/A

Asphalt Additives

AD-here® LoVisk

Technical Data Sheet	
Description	AD-here® LoVisk is a non-amine based liquid anti-stripping agent. It increases the adhesion of asphalt cement to aggregate and reduces the potential for moisture damage. It also improves the retention of aggregates in chip seals. AD-here® LoVisk unique property is its low viscosity and pour point characteristics.
Typical Properties	Appearance Brown Liquid Typical Viscosity, 40°F: 3300 cps Typical Viscosity, 50°F: 2000 cps Typical Viscosity, 77°F: 540 cps Density, Pounds/Gallon, 77°F: 8.91 Flash Point (P.M.C.C.): 290°F
Features	• Very effective in reducing stripping and in increasing the tensile strength values in the AASHTO T-283, ASTM D4867, or similar test methods. • Low odor when compared to most liquid anti-strips. • Very effective in improving aggregate retention on chip seals. • DOT Shipping Non Regulated. • Non Corrosive • Very low operating temperatures
Applications	AD-here® LoVisk is a non-amine based liquid anti-stripping agent. It increases the adhesion of asphalt cement to aggregate and reduces the potential for moisture damage. It also improves the retention of aggregates in chip seals. AD-here® LoVisk unique property is its low viscosity and pour point characteristics.
Packaging	AD-here® LoVisk is available in bulk quantities (1000 - 5500 gal.) and in 55 gallon non-returnable drums (450# net). It is available from our manufacturing locations at Mulberry, Florida and Vanceboro, North Carolina.
Storage and Handling	Refer to MSDS prior to handling this material. Avoid water contamination during handling and storing.
TSCA Compliance	N/A

Asphalt Additives

AD-here® HP PLUS

Technical Data Sheet	
Description	AD-here® HP PLUS is a 100 percent active high performance asphalt anti-stripping agent derived from polyamines. It greatly increases the adhesion of asphalt cement to aggregate and reduces moisture damage.
Typical Properties	Appearance: Dark Brown Liquid Viscosity, 77°F: 225 cps Density, pounds/gallon, 77°F: 8.15 Flash Point (P.M.C.C.): > 300° F
Features	• Highly effective in reducing moisture damage and in increasing the tensile strength through test methods such as AASHTO T283. • Recommended for very difficult to coat aggregates. • Gives satisfactory results when all other products fail.
Applications	AD-here® HP PLUS is added to asphalt in the amount of 0.2 - 0.8 % by weight of the asphalt cement, depending on the asphalt and aggregate type.
Packaging	AD-here® HP PLUS is available in bulk quantities (1000 - 5500 gal.) and in 55-gallon non-returnable drums (420 net pounds). It is available from our manufacturing locations in Convent, Louisiana and Vanceboro, North Carolina.
Storage and Handling	Refer to MSDS prior to handling this material. Avoid water contamination during handling and storing. For ease of pumping it is recommended to keep the product at 90° - 100°F .
TSCA Compliance	N/A

Asphalt Additives

AD-here® LA-2

Technical Data Sheet	
Description	AD-here® LA-2 is an asphalt anti-stripping agent derived from polyamines. It increases the adhesion of asphalt cement to aggregate and reduces moisture damage.
Typical Properties	Appearance: Dark Brown Liquid Viscosity, 77°F: 300 cps Viscosity, 100°F: 200 cps Pounds/Gallon, 77°F: 8.47 Flash Point (P.M.C.C.)°F > 300°F
Applications	AD-here® LA-2 is added to asphalt in the amount of 0.25 - 1.0% by weight of the asphalt cement, depending on the asphalt and aggregate combination.
Advantages	• Effective in reducing moisture damage and in increasing the tensile strength ratio in performance tests such as AASHTO T283, ASTM D4867, LADOTD TR 322M, and similar methods. • Low viscosity.
Packaging	N/A
Storage and Handling	Refer to MSDS prior to handling this material. Avoid water contamination during handling and storing. For ease of pumping it is recommended to keep the product at 100° - 110°F. AD-here® LA-2 is available in bulk quantities (1000 - 5500 gal.) and in 55 gallon non-returnable drums (420# net). It is available from our Convent, Louisiana and Vanceboro, North Carolina manufacturing locations.
TSCA Compliance	N/A

Asphalt Additives

AD-here® CB

Technical Data Sheet	
Description	AD-here® CB is an adhesion promoter for asphalt cements, cutbacks, emulsions and coal tar. It greatly increases the adhesion of asphalt to wet or dry aggregate and as an additional benefit, provides resistance of the mixture to moisture damage.
Typical Properties	Appearance: Dark Brown Viscous Liquid Viscosity: 77°F 4000 cps Viscosity: 100°F 400 cps Density, Pounds/Gallon :77°F 7.95 Flash Point (P.M.C.C.): > 300° F
Features	N/A
Applications	AD-here® CB is added to asphalt in the amount of 0.5 - 2.0% by weight of the asphalt cement, depending on the asphalt and aggregate type. It substantially increases the level of wet aggregate coating as compared to untreated mixes. AD-here® CB is an excellent dispersing and coating agent for coal tar sealers.
Packaging	AD-here® CB is available in bulk quantities (1000 - 5500 gal.) and in 55-gallon non-returnable drums (420 net pounds). It is available from our manufacturing location in Mulberry, Florida.
Storage and Handling	Refer to MSDS prior to handling this material. Avoid water contamination during handling and storing. For ease of pumping it is recommended to keep the product at 100° - 130°F.
TSCA Compliance	N/A

Asphalt Additives

AD-here® CB

Technical Data Sheet	
Description	AD-here® 69-00 is an amidoamine derived adhesion agent which effectively increases the adhesion of cutback asphalt to wet dry aggregates. This product is designed to be very effective on calcareous aggregates.
Typical Properties	Appearance, 77°F: Brown paste Viscosity, 77°F: 8040 cps Viscosity, 100°F: 2440 cps Viscosity, 120°F: 660 cps Density, Pounds/Gallon, 90°F: 7.95 Flash Point (P.M.C.C.) > 300°F
Features	N/A
Applications	The use of 0.5 – 1.5% AD-here® 69-00 by weight of asphalt cement substantially increases the level of aggregate coating and reduces the occurrence of moisture damage.
Advantages	• DOT Shipping Non Regulated. • Very effective on calcareous derived aggregates, especially in cutback asphalt applications.
Packaging	N/A
Storage and Handling	Refer to MSDS prior to handling this material. Avoid water contamination during handling and storing. For ease of pumping it is recommended to keep the product at 120° - 140°F. AD-here® 69-00 is available in bulk quantities (1000 - 5500 gal.) and in 55-gallon non-returnable drums (420 pounds net). It is available from our manufacturing location in Mulberry, Florida.
TSCA Compliance	N/A

Asphalt Additives

AD-here® 260L

Technical Data Sheet	
Description	AD-here® 260L is an amidoamine based asphalt adhesion agent. It is an excellent choice for patching or stockpile/depot mixtures. It greatly increases the adhesion of asphalt to wet or dry aggregate and reduces the potential for moisture damage. It will improve the coating and workability of the mixture and increase its adhesion to the pothole.
Typical Properties	Appearance: Dark Brown Liquid Viscosity, 25°C: 300 cps Specific Gravity, 25°C: 0.94 Flash Point (P.M.C.C.): > 93°C
Features	N/A
Applications	AD-here® 260L is added to asphalt in the amount of 0.5 – 3.0% by weight of the asphalt, depending on the asphalt and aggregate type. It substantially increases the level of wet aggregate coating as compared to untreated mixes. AD-here® 260L is also used as a dispersing and coating additive for coal tar emulsions.
Packaging	N/A
Storage and Handling	Refer to MSDS prior to handling this material. Avoid water contamination during handling and storing. AD-here® 260L is available in bulk quantities and in 200-liter non-returnable drums (190 kg net). It is available from our manufacturing location in Mulberry, Florida.
TSCA Compliance	N/A

Asphalt Additives

AD-here® ACRA-500

Technical Data Sheet		
Description	ACRA-500 is an asphalt additive that improves adhesion in asbestos free wet patch roofing compounds, hot mix, and anionic hi-float emulsions. The product is unique in that it accomplished this adhesion increase without interfering with the emulsification systems or clay/surfactant ratios.	
Typical Properties	Appearance: 25°C Dark Viscous Liquid Density, Pounds/Gallon: 25°C 0.95 Flash Point, (P.M.C.C.): >150°C Viscosity 37°C: 750 cps	
Features	N/A	
Applications	Use Level	Method of Application
Hot mix paving	0.5 - 1.0% (Based on weight of asphalt)	Blend with asphalt prior to plant mix.
HFMS-1 HFRS-2 HFRS-1	0.1 - 0.25% (Based on weight of emulsion)	Post blend in emulsion or pretreat asphalt
Asbestos Free Wet Patch Roof Coating	0.125% (Based on weight of emulsion)	Added during clay gel stage
Packaging	ACRA-500 is available in bulk quantities and in 210 liter non-returnable drums (190 kg net) or 1000 kg totes It is available from our manufacturing location in Mulberry, Florida.	
Storage and Handling	N/A	
TSCA Compliance	N/A	

Asphalt Additives

AD-here® SC-901

Technical Data Sheet		
Description	SC-901 is a 100% active amine based additive that is useful in improving adhesion in hot mix, cold mix, cold patch and anionic hi-float emulsions. The product is unique in that it accomplishes this adhesion without interfering with the emulsification systems.	
Typical Properties	Appearance 25°C: Dark Paste Pounds/Gallon 25°C: 0.91 Flash Point, PMCC: > 150°c Viscosity 38°C: 80-100 cps	
Features	N/A	
Applications	Use Level	Method of Application
Hot mix paving	0.4 - 0.75% (Based on weight of asphalt)	Pretreat asphalt
HFMS-1 HFRS-1	0.1 - 0.25% (Based on weight of emulsion)	Post blend in emulsion or pretreat asphalt
Cold Patch (Cutback or emulsion)	0.5 - 2.0% (Based on Wt. of asphalt)	Pretreat asphalt
Emulsion Cold Mix	0.25 - 0.5% (Based on Wt. of emulsion)	Post blend in emulsion or pretreat asphalt
Packaging	SC-901 is available in bulk quantities and in 210 liter non-returnable drums (170 kg net) or in 1000 kg totes. It is available from our three manufacturing locations: Mulberry, Florida; Convent, Louisiana; and Vanceboro, North Carolina.	
Storage and Handling	Refer to MSDS prior to handling this material. Avoid water contamination during handling and storing.	
TSCA Compliance	N/A	

Asphalt Additives

AD-here® 240

Technical Data Sheet	
Description	AD here® 240 is an amidoamine derived adhesion agent. It effectively increases the adhesion of asphalt cement cutbacks and emulsions to wet and dry aggregates. This product is designed primarily for use in cold patching mixtures and is very effective in coating improvements on both calcareous aggregates and siliceous aggregates. The use of 2-3 % of AD-here® 240 (by weight of asphalt cement) substantially increases the coating of the aggregate and increases the stockpile's workability and longevity. An additional benefit is the increased resistance of the mixture to moisture damage.
Typical Properties	Appearance: Viscous brown liquid Viscosity, 77°F: 620 cps Viscosity, 120°F: 145 cps Density, 77°F: 8.1 Flash Point, (PMCC), °F: > 300
Features	N/A
Applications	N/A
Packaging	N/A
Storage and Handling	Refer to MSDS prior to handling the material. AD here® 240 is available in bulk quantities (1,000 5,500 gallons) and in 55 gallon non-returnable drums (400 net pounds). AD here 240 is manufactured in Mulberry, FL.
TSCA Compliance	N/A

Asphalt Additives

D-Scent 0119

Technical Data Sheet	
Description	D-Scent 0119 is a proprietary formulation that is used in small quantities to neutralize some of the odors that may be produced by hot asphalt cement. D-Scent 0119 has a high flash point, unlike many of the low flash point products currently being marketed for asphalt odor neutralization.
Typical Properties	Viscosity, 25 °C: 196 cps Specific Gravity, 25°C: 0.97-1.01 Flash Point (Closed cup) > 190° C
Features	N/A
Applications	D-Scent 0119 is typically added at a rate of three or four liters per tank truck of asphalt (0.01-0.02 %). The optimum use level should be determined by trial evaluations. The asphalt cement source and composition as well as the plant's operating temperatures will effect the proper dosage rate. The amount of D-Scent 0119 used per truck of liquid asphalt should be carefully controlled to just neutralize the asphalt odors. It is recommended that each user initially treated incoming asphalt shipments with two liters of D-Scent 0119 then increase the use level in one-half liter increments until the desired result is obtained. Excessive use of D-Scent 0119 will produce a strong aroma that is typically not desired.
Packaging	N/A
Storage and Handling	Refer to MSDS prior to handling this material. D-Scent 0119 is available in 420-lb non-returnable drums and IBC containers from our manufacturing location in Mulberry, Florida.
TSCA Compliance	N/A

Asphalt Additives

Safety-Solv 140 Plus

Technical Data Sheet	
Description	Safety-Solv 140 PLUS is a biodegradable, non-chlorinated solvent used to extract asphalt cement from bituminous mixes. Safety-Solv 140 PLUS is a clear liquid having an odor similar to that of pine oil. This product contains terpene hydrocarbons and proprietary emulsifiers.
Typical Properties	Appearance: Clear Liquid Viscosity, 77°F: 15 cps Density, Pounds/Gallon, 77°F: 7.2 Flash Point (P.M.C.C.): > 140°F
Features	• Non-hazardous and biodegradable. • Rinses easily with water. • Excellent degreaser and asphalt cleaner.
Applications	Safety-Solv 140 PLUS can be used in both the centrifuge and vacuum extraction methods for asphalt content determination. Safety-Solv 140 PLUS can replace the use of hazardous trichloroethylene and trichloroethane.
Packaging	Safety-Solv 140 PLUS is available in 55 gallon non-returnable drums (385 lbs. net). It is available from our three manufacturing locations: Mulberry, Florida; Convent, Louisiana; and Vanceboro, North Carolina. **WARNING:** Combustible materials such as rags, paper, etc. that are soaked in Safety-Solv 140 PLUS should be disposed in fire-safe containers approved for combustible waste. DO NOT dispose in trash cans since spontaneous combustion may occur.
Storage and Handling	Refer to MSDS prior to handling this material.
TSCA Compliance	N/A

Asphalt Additives

TBRA#8524

Technical Data Sheet	
Description	TBRA #8254 is a very high efficiency water based, biodegradable release agent. It is used to reduce the adhesion of bituminous mixtures to the walls and beds of trucks used to haul asphalt concrete. It is also used to coat shovels, lutes, and other tools to aid in cleanup. TBRA #8254 is formulated with silcones for long lasting performance.
Typical Properties	Appearance: Dark blue/green Liquid Viscosity, 77°F: 14 - 25 cps Pounds/Gallon, 77°F: 8.5 - 8.7 Flash Point (P.M.C.C.): Aqueous Solution
Features	N/A
Applications	The recommended dosage level is 1 part of TBRA #8254 to 50 parts of water. In field applications a proportioning solution spray valve such as a DEMA 202 C is used to blend the ingredients and to spray the final solution onto the truck beds.
Packaging	TBRA #8254 is available in 55-gallon non-returnable drums (420# net). It is available from our three manufacturing locations: Mulberry, Florida; Convent, Louisiana; and Vanceboro, North Carolina.
Storage and Handling	Refer to MSDS prior to handling this material. Av
TSCA Compliance	N/A

Asphalt Additives

Catamine 101

Technical Data Sheet	
Description	Catamine 101 is a versatile, 100% active, amidoamine emulsifier useful for the cost-effective production of CQS and CSS slurry seal emulsions. Catamine 101 is one of the leading emulsifiers for this application and has been proven to give excellent mix, set, and cure characteristics on a wide variety of aggregates. Emulsions made with Catamine 101 tend to have a more rapid cure than emulsions made with competitive materials; this is particularly important when slurry seal is applied under conditions of low temperature and/or high humidity.
Typical Properties	Appearance @ 70°F: Soft Brown Paste Density, Pounds/Gallon @ 77°F: 8.1 Flash Point, (P.M.C.C): >300° F Viscosity 100°F: 350 cps
Features	N/A
Applications	Starting use level for laboratory evaluation is 1.5-2.0%, by weight of emulsion. Catamine 101 emulsifier solutions require an acid neutralization to a pH of 1.5-2.5 with HCI. Aluminum chloride or aluminum sulfate are suitable retarders for modifying mix characteristics in the field. ARR-MULS CM-88 can be used as a co-emulsifier with Catamine 101 in order to modify emulsion characteristics for especially difficult to emulsify asphalt cements. CM-88 can also assist in the production of climate responsive microsurfacing emulsions.
Packaging	Catamine 101 is available in bulk quantities (1000 - 5500 gal.) and in 55-gallon non-returnable drums (425 pounds net). It is available from our manufacturing location in Mulberry, Florida.
Storage and Handling	Refer to MSDS prior to handling this material. Avoid water contamination during handling and storing. For ease of pumping it is recommended to keep the product at 100° - 120°F.
TSCA Compliance	N/A