



Paints and Coatings

ANGUS PRODUCTS FOR PAINTS AND COATINGS

ANGUS Multifunctional Neutralizers and Specialty Additives for Architectural and Industrial Coatings, Building Materials, Printing Inks and Pigments

ANGUS offers a range of unique multifunctional ingredients for a wide variety of applications and performance benefits.

Note: The following are typical properties. They are not to be considered product specifications

Product (CAS/Number) (Primary Actives)	Chemistry	Applications	Functions	Recommended Use Levels (% total weight)	pKa @ 25°C (77°F)	Water % by WT.	Boiling Point, °C (°F)	Freezing/ Melting Point, °C (°F)	Solubility in water at 20°C, (68°F), g/100 mL
AEPD™ Amino Alcohol (115-70-8) (96-20-8)	Primary alkanolamine	DEA replacement Sulfur odor scavenger Formaldehyde scavenger	Starting material for alkanolamide synthesis Neutralizes offensive sulfur odors (H2S etc.) in reclaimed and recycled oils Reacts reversibly with formaldehyde	Variable based on application	8.8	≤3.8	>152 to 153° (305.6 to 307.4°)(1)	27.5 to 38° (99.5 to 101.3°)	Miscible
AEPD™-85 Amino Alcohol (115-70-8) (96-20-8)	Primary alkanolamine	DEA replacement Sulfur odor scavenger Formaldehyde scavenger	Starting material for alkanolamide synthesis Neutralizes offensive sulfur odors (H2S etc.) in reclaimed and recycled oils Reacts reversibly with formaldehyde	Variable based on application	8.8	≥ 13 to ≤15	>152 to 153° (305.6 to 307.4°) [anhydrous]	27.5 to 38° (99.5 to 101.3°) [anhydrous]	Miscible
ALKATERGE™-E Surface Active Agent (68140-98-7/ 268-820-3)	Oxazolines	Drilling fluids Lubricating greases Wax emulsions Non aqueous pigment dispersions Rust prevention	Non-ionic invert emulsifiers Iron and Steel corrosion inhibition Pigment dispersion in non aqueous media Lubricants	0.1 to 1.0%	-	-	-	-31° (-24°)	<0.005
ALKATERGE™-T Surface Active Agent (28984-69-2)	Oxazolines	Drilling fluids Lubricating greases Wax emulsions Non aqueous pigment dispersions Rust prevention	Non-ionic invert emulsifiers Iron and Steel corrosion inhibition Pigment dispersion in non aqueous media Lubricants	0.1 to 1.0%	-	-	-	≥59° (138°)	<0.01


⁽¹⁾ At 10mm Hg absolute pressure

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AMP-95™ Multifunctional Additive (124-68-5/ 204-709-8)	Primary alkanolamine	Latex and water-based coatings Mineral dispersions Boiler water treatment Household products (cleaners, etc.) Adhesives Inks Formaldehyde scavenger	Neutralization Alkaline pH Dispersion of minerals Solvency	Use level varies with application	9.8 (primary active ingredient)	4.8 to 5.8	165° (329°) (primary active ingredient)	-2° (28°)	Miscible
AMP™ Multifunctional Additive (124-68-5/ 204-709-8)	Primary alkanolamine	Latex and water-based coatings Mineral dispersions Boiler water treatment Household products (cleaners, etc.) Adhesives Inks Formaldehyde scavenger	Neutralization Alkaline pH Dispersion of minerals Solvency	Use level varies with application	9.8 (primary active ingredient)	≤ 0.8	165° (329°) (primary active ingredient)	30° (86°)	Miscible
AVANTANE™ PA 4000 Specialty Ink Additive (Proprietary)	Nitroethane/1-nitropropane mixtures	Printing inks	Wetting agents Indirectly promotes adhesion and pigment displacement Moisture displacement	1 to 5%	-	-	114 to 133° (237 to 271°)	-	2.6
DMAMP-80™ Multifunctional Additive (7005-47-2)	Tertiary alkanolamine	Industrial coatings Aerosol packaged products	Vapor Phase Corrosion inhibition for iron and steel Polymer neutralizer Emulsifying amine (with fatty acids) Synthesis intermediate	Use level varies with application	10.2	18 to 22	98° (208°)	-20° (-4°)	Miscible
FLEXITANE™ CA 6000 Specialty Coating Additive (Proprietary)	Nitroethane/1-nitropropane mixtures	Industrial coatings	Wetting agents Indirectly promotes adhesion and pigment dispersion Moisture displacement	1 to 5%	-	-	114 to 133° (237 to 271°)	-	2.6
NIKANE™ MS 5000 Multifunctional Solvent (Proprietary)	Nitroethane/1-nitropropane mixtures	Industrial coatings	Multifunctional solvent	10 to 25%	-	-	114 to 133° (237 to 271°)	-	2.1
ZOLDINE™ MS-PLUS Moisture Scavenger (143860-04-2)	Oxazolines	Polyurethanes	Moisture scavenger	20 parts per 1 part water	-	0	209° (408°)	-35° (-31°)	-

Product Stewardship

ANGUS encourages its customers to review their applications of ANGUS products from the standpoint of human health and environmental quality. To help ensure that ANGUS products are not used in ways for which they are not intended, ANGUS personnel will assist customers in dealing with environmental and product safety considerations. For assistance, Safety Data Sheets, or other information, please contact your ANGUS

representative at the numbers provided in this document. When considering the use of any ANGUS product in a particular application, review the latest Safety Data Sheet to ensure that the intended use is within the scope of approved uses and can be accomplished safely. Before handling any of the products, obtain available product safety information including the Safety Data Sheet(s) and take the necessary steps to ensure safety of use.

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angus.com	Latin America +55 (11) 94245-5307	Central and Eastern Europe +33 (0) 1 34 23 31 60	Indian Subcontinent +000-800-440-5098	Japan and Korea +65 8686 5712	
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