

Eastman solvents for coatings/inks

Features and benefits

	Comments	Key performance features	Key benefits
Ketones			
Eastman MAK	<ul style="list-style-type: none"> • Non-HAP • Possible xylene replacement • Readily biodegradable 	• Excellent solvent activity	• Dissolves a wide range of polymers and yields solutions with low viscosities
		• Low density	• Combined with high solvent activity, helps meet VOC guidelines
		• Slow evaporation rate	• Good flow and leveling of air-dry and baked coatings
		• Low surface tension	• Improves atomization, wetting, flow, and leveling
		• Urethane grade	• Suitable for use with moisture-sensitive polymers
• Flash point above 100°F	• Safety and possible labeling		
Eastman MIAK	<ul style="list-style-type: none"> • Non-HAP • Readily biodegradable • Possible xylene replacement 	• Excellent solvent activity	• Dissolves a wide range of polymers and yields solutions with low viscosities
		• Low density	• Combined with high solvent activity, helps meet VOC guidelines
		• Slow evaporation rate	• Good flow and leveling of air-dry and baked coatings
		• Low surface tension	• Improves atomization, wetting, flow, and leveling
		• Urethane grade	• Suitable for use with moisture-sensitive polymers
Eastman MPK	<ul style="list-style-type: none"> • Non-HAP (can contain up to 10% MIBK) • Possible toluene, MEK, MIBK replacement • Readily biodegradable 	• Excellent solvent activity	• Dissolves a wide range of polymers and yields solutions with low viscosities
		• Low density	• Combined with high solvent activity, helps meet VOC guidelines
		• Medium evaporation rate	• Provides good balance of application and drying characteristics, particularly for air-dry, high-solids alkyd enamels
		• Urethane grade	• Suitable for use with moisture-sensitive polymers
		• Ultrahigh-purity grade available	• Meets Boeing specifications
Eastman C-11 ketone	<ul style="list-style-type: none"> • Non-HAP • Predicted to be readily biodegradable 	• Very slow evaporation rate	• Good flow and leveling in high-bake and coil-applied coatings
		• Moderate solvent activity	• Dissolves many thermoplastic polymers and low-molecular-weight oligomers
		• Low density	• Beneficial in low-VOC coatings
		• High flash point	• Reduces fire hazard
		• Low water	• Low susceptibility to moisture pickup
Eastman MIPK	<ul style="list-style-type: none"> • Non-HAP • Readily biodegradable 	• Excellent solvent activity	• Dissolves a wide range of polymers and yields solutions with low viscosities
		• Low density	• Combined with high solvent activity, helps meet VOC guidelines
		• Medium evaporation rate	• Provides good balance of application and drying characteristics
Eastman DIBK	<ul style="list-style-type: none"> • Non-HAP • Readily biodegradable 	• Good solvent activity	• Dissolves a wide range of polymers
		• Low density	• Helps meet VOC guidelines
		• Low surface tension	• Enhances substrate wetting while providing flow and leveling
		• High blush resistance	• Successful application of coatings under high humidity conditions
		• Low water solubility	• Low susceptibility to moisture pickup
		• Slow evaporation rate	• Good flow and leveling in high-bake coatings

	Comments	Key performance features	Key benefits
Esters			
Eastman methyl acetate, high purity	<ul style="list-style-type: none"> • Non-HAP • VOC exempt • Readily biodegradable • Limited water solubility 	• Excellent solvent activity	• Dissolves a wide range of polymers and yields solutions with low viscosities
		• Low MIR value	• Helps formulators of aerosol coatings meet MIR guidelines
		• Higher electrical resistance, less hydrophilic, higher flash point than acetone	• Can replace acetone with no sacrifice in VOC content
		• Low odor	• Suitable for odor-sensitive applications
		• Urethane grade	• Suitable for use with moisture-sensitive polymers
Eastman IBIB	<ul style="list-style-type: none"> • Non-HAP • Possible xylene replacement 	• Moderate solvent activity	• Improves resistance to crazing of plastic substrates
		• Low MIR value	• Helps formulators of aerosol coatings meet MIR guidelines
		• Slow evaporation rate	• Good flow and leveling of air-dry and baked coatings
		• Low density	• Helps reduce VOCs
		• High blush resistance	• Successful application of coatings under high humidity conditions
		• Low surface tension	• Improves atomization, wetting, flow, and leveling
		• Urethane grade	• Suitable for use with moisture-sensitive polymers
		• Low water solubility	• Minimizes water pickup during storage
		• High electrical resistance	• Electrostatically applied coatings with good transfer efficiency
		• Low-cost ester solvent	• Lower formulation cost
Eastman <i>n</i>-butyl propionate	<ul style="list-style-type: none"> • Non-HAP • Possible xylene replacement • Readily biodegradable 	• Good solvent activity	• Dissolves a wide range of polymers
		• Slow evaporation rate	• Good flow and leveling in air-dry and baked coatings
		• Mild odor	• Useful in odor-sensitive applications
		• Low surface tension	• Improves atomization, wetting, flow, and leveling
		• Low water solubility	• Minimizes water pickup during storage
		• Urethane grade	• Suitable for use with moisture-sensitive polymers
		• High electrical resistance	• Helpful when formulating electrostatically applied coatings with good transfer efficiency
Eastman 2-ethylhexyl acetate	<ul style="list-style-type: none"> • Non-HAP 	• Slow evaporation rate	• Good flow and leveling in air-dry and baked coatings
		• Low MIR value	• Helps formulators of aerosol coatings meet MIR guidelines
		• Low surface tension	• Improves atomization, wetting, flow, and leveling
		• Low water solubility	• Minimizes water pickup during storage
		• Urethane grade	• Suitable for use with moisture-sensitive polymers
Eastman ethylene glycol diacetate	<ul style="list-style-type: none"> • Non-HAP • Predicted to be readily biodegradable 	• High electrical resistance	• Electrostatically applied coatings with good transfer efficiency
		• Slow evaporation rate	• Good flow and leveling in air-dry and baked coatings
		• Low MIR value	• Helps formulators of aerosol coatings meet MIR guidelines
		• High blush resistance	• Successful application of coatings under high humidity conditions
		Eastman <i>n</i>-propyl propionate	<ul style="list-style-type: none"> • Non-HAP • Predicted to be readily biodegradable • Possible toluene replacement
• Urethane grade	• Suitable for use with moisture-sensitive polymers		
• Low MIR value	• Helps formulators of aerosol coatings meet MIR guidelines		
• Mild odor	• Suitable for odor-sensitive applications		
• High electrical resistance	• Electrostatically applied coatings with good transfer efficiency		
• Low surface tension	• Enhances substrate wetting		
• Medium evaporation rate	• Suitable for air-dry and baked coatings		
Ether esters			
Eastman EEP	<ul style="list-style-type: none"> • Non-HAP • Readily biodegradable 	• Excellent solvent activity	• Broad resin solubility and low solution viscosity
		• Slow evaporation rate	• Good flow and leveling and high DOI
		• Linear structure	• Faster solvent release
		• High boiling point	• Low-molecular-weight acrylic resins with good polydispersity
		• Low water solubility	• Minimizes water pickup during storage
		• High autoignition temperature	• Satisfactory for coil coatings
		• Low surface tension	• Improves atomization, wetting, flow, and leveling
		• High electrical resistance	• Electrostatically applied coatings with good transfer efficiency
		• High blush resistance	• Allows application of coatings under high humidity conditions
		• Urethane grade	• Suitable for use with moisture-sensitive polymers

	Comments	Key performance features	Key benefits
Glycol ethers			
Eastman EP solvent	<ul style="list-style-type: none"> • Predicted to be readily biodegradable 	<ul style="list-style-type: none"> • Slow evaporation rate • Low odor • Linear structure • High blush resistance • Good coupling efficiency • Solvent activity/polar balance 	<ul style="list-style-type: none"> • Good flow and leveling and high DOI • Suitable for odor-sensitive applications • Faster solvent release • Allows application of coatings under high humidity conditions • Improved solution homogeneity • Improves resistance to crazing of plastic substrates
Eastman DP solvent	<ul style="list-style-type: none"> • LVP-VOC • Predicted to be readily biodegradable 	<ul style="list-style-type: none"> • Slow evaporation rate • Low odor • Linear structure • High blush resistance • Good coupling efficiency • Solvent activity/polar balance 	<ul style="list-style-type: none"> • Good flow and leveling and high DOI • Suitable for odor-sensitive applications • Faster solvent release • Allows application of coatings under high humidity conditions • Improved solution homogeneity • Improves resistance to crazing of plastic substrates
Eastman DE solvent	<ul style="list-style-type: none"> • LVP-VOC • Readily biodegradable 	<ul style="list-style-type: none"> • Slow evaporation rate • Low odor • Linear structure • Good coupling efficiency • Solvent activity/polar balance 	<ul style="list-style-type: none"> • Good flow and leveling and high DOI • Suitable for odor-sensitive applications • Faster solvent release • Improved solution homogeneity • Improves resistance to crazing of plastic substrates
Eastman EEH solvent	<ul style="list-style-type: none"> • Non-HAP • LVP-VOC • Readily biodegradable 	<ul style="list-style-type: none"> • High coalescing efficiency • Low water solubility • Good hydrolytic stability • Low surface tension • Slow evaporation rate 	<ul style="list-style-type: none"> • Low coalescing aid level required to obtain good film integrity, proper color formation, good touch-up properties, and good scrub resistance • Minimizes wicking of coalescing aid into porous substrates in latex coatings • Chemically stable in low- to high-pH coatings • Improves wetting, flow, and leveling • In electrodeposition primers/coatings, reduces volatilization from dip tanks and provides good flow and leveling of the coating in the baking oven
Glycol ether esters			
Eastman EB acetate	<ul style="list-style-type: none"> • Readily biodegradable 	<ul style="list-style-type: none"> • Slow evaporation rate • High solvent activity • High blush resistance • Urethane grade • High boiling point • High electrical resistance 	<ul style="list-style-type: none"> • Good flow and leveling and high DOI • Broad resin solubility • Allows application of coatings under high humidity conditions • Suitable for use with moisture-sensitive polymers • Suitable for coil coatings • Electrostatically applied coatings with good transfer efficiency
Eastman DB acetate	<ul style="list-style-type: none"> • LVP-VOC • Readily biodegradable 	<ul style="list-style-type: none"> • Slow evaporation rate • High solvent activity • High blush resistance • High boiling point • High electrical resistance 	<ul style="list-style-type: none"> • Good flow and leveling and high DOI • Broad resin solubility • Allows application of coatings under high humidity conditions • Suitable for coil coatings • Electrostatically applied coatings with good transfer efficiency
Eastman DE acetate	<ul style="list-style-type: none"> • LVP-VOC • Predicted to be readily biodegradable 	<ul style="list-style-type: none"> • Slow evaporation rate • High solvent activity • High blush resistance • High boiling point • High electrical resistance • Urethane grade 	<ul style="list-style-type: none"> • Good flow and leveling and high DOI • Broad resin solubility • Allows application of coatings under high humidity conditions • Suitable for coil coatings • Electrostatically applied coatings with good transfer energy • Suitable for use with moisture-sensitive polymers
Ester alcohol			
Eastman Texanol™ ester alcohol	<ul style="list-style-type: none"> • Non-HAP • Readily biodegradable • LVP-VOC • Not classified as a VOC per EU Solvent Emissions Directive 	<ul style="list-style-type: none"> • Good solvent activity • Very high flash point • Slow evaporation rate 	<ul style="list-style-type: none"> • Dissolves a wide range of polymers and resins • Low flammability rating • Flow-out solvent in screen inks and high-bake enamels; sweetener solvent in lithographic inks



Eastman Corporate Headquarters
P.O. Box 431
Kingsport, TN 37662-5280 U.S.A.

U.S.A. and Canada, 800-EASTMAN (800-327-8626)
Other Locations, +(1) 423-229-2000

www.eastman.com/locations

Although the information and recommendations set forth herein are presented in good faith, Eastman Chemical Company ("Eastman") and its subsidiaries make no representations or warranties as to the completeness or accuracy thereof. You must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and for the health and safety of your employees and purchasers of your products. Nothing contained herein is to be construed as a recommendation to use any product, process, equipment, or formulation in conflict with any patent, and we make no representations or warranties, express or implied, that the use thereof will not infringe any patent. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS AND NOTHING HEREIN WAIVES ANY OF THE SELLER'S CONDITIONS OF SALE.

Safety Data Sheets providing safety precautions that should be observed when handling and storing our products are available online or by request. You should obtain and review available material safety information before handling our products. If any materials mentioned are not our products, appropriate industrial hygiene and other safety precautions recommended by their manufacturers should be observed.

© 2017 Eastman. Eastman brands referenced herein are trademarks of Eastman or one of its subsidiaries or are being used under license. The ® symbol denotes registered trademark status in the U.S.; marks may also be registered internationally. Non-Eastman brands referenced herein are trademarks of their respective owners.