

EASTMAN

Eastman ingredients
for **pharmaceuticals**

Ingredient	Active	Excipient	Intermediate	Solvent	pH
1,4-CHDA-HP (cyclohexanedicarboxylic acid)			✓		
Acetaldehyde			✓		
Acetic anhydride			✓		
Butyl acetate			✓	✓	
CA-320S NF/EP (cellulose acetate)		✓			
CA-398-10 NF/EP (cellulose acetate)		✓			
CAB-171-15 NF (cellulose acetate butyrate)		✓			
C-A-P cellulose ester NF (pellets and powder)		✓			
CHDM-D (cyclohexanedimethanol)			✓	✓	
CHDM-D90 (90% CHDM with 10% water)			✓	✓	
Diethylamine (DEA)			✓		
Diisopropylamine (DIPA)			✓		
Dilute acetic acid 84%			✓	✓	
Dimethylacetamide (DMAc)			✓	✓	
Dimethylamine 40% solution			✓		
Dimethylamine anhydrous (DMA)			✓		
Dimethylformamide (DMF)			✓	✓	
DMA·HCl 70% (dimethylamine hydrochloride)			✓		
EAA, kosher (ethyl acetoacetate)			✓		
Eastman BioSustane™ SAIB, pharma grade (sucrose acetate isobutyrate)		✓			
Ethyl acetate NF/EP			✓	✓	
Glacial acetic acid, USP grade	✓		✓	✓	
Hydroquinone, USP grade	✓		✓		
Isobutyl acetate			✓	✓	
Isopropyl acetate			✓	✓	
Methyl acetate, high purity			✓	✓	
Monoisopropylamine (MIPA)			✓		
Monomethylamine 40% aqueous solution			✓		
Mono- <i>n</i> -propylamine (MNPA)			✓		
<i>N</i> -ethylpyrrolidone (NEP)			✓	✓	
<i>N</i> -methyl-2-pyrrolidone (NMP)			✓	✓	
Propionic acid, feed grade and food grade, kosher			✓		
Propionic anhydride			✓		
Triethylamine (TEA)			✓		
Tri- <i>n</i> -propylamine (TNPA)			✓		

pH adjuster	Adhesive	Film former	Description
			Reactive intermediate; mixture of cis and trans isomers
			Reactive intermediate; pyridines and pentaerythritol precursor
			Reactive intermediate
			Solvent; extraction agent
		✓	Osmotic coating for sustained API delivery
		✓	Osmotic coating for sustained API delivery
		✓	Osmotic coating for sustained API delivery
		✓	pH-sensitive polymer for enteric delivery of APIs
			Reactive diluent for polyester, epoxy, and urethane resins
			Reactive diluent for polyester, epoxy, and urethane resins
✓			Reactive intermediate; acid neutralizer
✓			Reactive intermediate; acid neutralizer
✓			Extraction solvent; acidifying agent
✓			Extraction/reaction solvent; active carrier
✓			Reactive intermediate; acid neutralizer
✓			Reactive intermediate; acid neutralizer
✓			Extraction solvent; carrier
✓			Reactive intermediate; acid neutralizer
			Reactive intermediate
	✓		Depot injectables; transdermal adhesive; emulsion stabilizer
			Extraction solvent; flavoring
✓			Reactive intermediate; extraction agent; acidifying agent
			Antioxidant; polymerization inhibitor; skin-lightening formulations
			Solvent; extraction agent
			Solvent; extraction agent
			Solvent; extraction agent
✓			Reactive intermediate; acid neutralizer
✓			Reactive intermediate; acid neutralizer
✓			Reactive intermediate; acid neutralizer
✓			Reactive intermediate; solvent
✓			Reactive intermediate; solvent
✓			Reactive intermediate; extraction agent; acidifying agent
			Reactive intermediate
✓			Acid neutralizer; reaction catalyst
✓			Acid neutralizer; reaction catalyst



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