

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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