

- Preface
- Part 1 Reaction Types Alkylation Amination Condensation and Addition Dehydration
 - Dehydrogenation Esterification
 - Ethynylation Fermentation Friedel-Crafts Reactions Halogenation
 - Hydration and Hydrolysis Hydroformylation
 - Hydrogenation Nitration Oxidation
 - Oxo Reaction Polymerization
 - Sulfonation Vinylation
- Part 2 Manufacture of Chemicals Acetaldehyde Acetal Resins
 - Acetaminophen Acetic Acid
 - Acetic Anhydride Acetone
 - Acetone Cyanohydrin
 - Acetophenetidine Acetylene
 - Acrolein Acrylic Acid
 - Acrylic Resins
 - Acrylonitrile Adipic Acid
 - Adiponitrile Alcohols
 - Linear Ethoxylated
 - Alkanolamines Alkyd Resins Alkylbenzenes
 - Linear Allyl
 - Alcohol Aluminum Alumina
 - Aluminum Chloride
 - Aluminum Sulfate
 - Amitriptyline Ammonia
 - Ammonium Chloride
 - Ammonium Nitrate Ammonium
 - Phosphate Ammonium
 - Picrate Ammonium
 - Sulfate Aniline
 - Anisaldehyde
 - Antibiotics Antihistamines
 - Argon Aspirin
 - Barbitol Barbiturates
 - Barium Carbonate
 - Barium Salts
 - Barium Sulfate
 - Barium Sulfide
 - Bauxite Benzaldehyde Benzene
 - Benzine Benzodiazepines
 - Benzoic Acid
 - Benzyl Acetate
 - Benzyl Alcohol
 - Bisphenol A Borax Boron Compounds
 - Bromal Bromine Bromoacetaldehyde BTX

- Aromatics Butadiene Butane Butanediol Iso-butane
- Butene-1 Butenediol
- Iso-butene n-Butene
- Butyl Acrylate Iso-butyl
- Alcohol n-Butyl Alcohol t-Butyl Alcohol
- Butyl Vinyl
- Ether Butynediol
- Iso-butyraldehyde
- n-Butryaldehyde
- Butyrolactone Caffeine
- Theobromine
- Theophylline Calcite
- Calcium Acetate
- Calcium Arsenate
- Calcium Bromide
- Calcium Carbonate
- Calcium Chloride
- Calcium Fluoride
- Calcium Hypochlorite
- Calcium Iodide
- Calcium Lactate
- Calcium Oxide
- Calcium Phosphate
- Calcium Soaps
- Calcium Sulfate
- Calcium Sulfide
- Caprolactam Carbon
- Carbon Black
- Carbon Dioxide
- Carbon Monoxide
- Carbon Tetrachloride
- Cellulose Cellulose Acetate
- Cellulose Nitrate
- Cement Cephalosporins
- Chloral Chlorinated
- Solvents Chlorine
- Chlorine Dioxide Chloroacetaldehyde
- Chlorofluorocarbons Chloroform
- Chloroprene Chromic Oxide
- Cimetidine Cinnamic Aldehyde
- Citric Acid Coal Chemicals
- Cocaine Codeine Coke
- Copper Sulfate Cumene Cyclohexane
- Cyclohexanol Cyclohexanone

- Darvon Detergents
- Diazepam Diazodinitrophenol
- Diethylene
- Glycol
- Diethyl Sulfate
- Dihydroxyacetone Dimethyl Sulfate
- Dimethyl Terephthalate Dinitrotoluene
- Diphenyl Ether
- Dyazide Dyes
- Dynamite Epoxy
- Resins Erythromycin
- Ethane Ethanolamines Ether
- Ethyl Acetate
- Ethyl Alcohol Ethylbenzene
- Ethylene Ethylene
- Dichloride Ethylene
- Glycol Ethylene Oxide
- Ethylhexanol Ethyl
- Vinyl Ether
- Explosive D Explosives Ferric Oxide
- Ferrocyanide Blue
- Fertilizers Fluorine
- Fluorocarbons Formaldehyde
- Furosemide Gasoline
- Glass Glutamic Acid
- Glycerol Graphite Gypsum
- Helium Herbicides
- Hexamethylenediamine
- Hexamethylenetetramine
- Hexamine Hexanes
- Hexylresorcinol
- Hydrochloric Acid
- Hydrofluoric Acid Hydrogen
- Hydrogen Cyanide
- Hydrogen Peroxide
- Ibuprofen Insecticides
- Insulin Iodine
- Isoniazid Isoprene Iso-propyl
- Alcohol Isoquinoline
- Kerosene Kevlar
- Krypton Lactic Acid
- Lead Azide Lead
- Carbonate Lead
- Chromate Lead Styphnate Lignon

- Lignosulfonates Lime Linear
- Alpha Olefins Liquefied
- Petroleum Gas
- Lithium Salts
- Lithopone Magnesium
- Magnesium Carbonate
- Magnesium Chloride
- Magnesium Compounds
- Magnesium Hydroxide
- Magnesium Oxide
- Magnesium Peroxide
- Magnesium Silicate
- Magnesium Sulfate
- Malathion Maleic
- Acid Maleic
- Anhydride Melamine
- Resins (Malamine-Formadehyde Polymers)