

Mixture Minor Component Families Available

Acetates (Esters)	Carbonyls	Ketones	Permanent Gases
Acids	Cyanates	Mercaptans (Thiols)	Phenols
Alcohols	Dienes	Metal Hydrides	Pyridines
Aldehydes	Ethers	Nitriles	Silanes
Alkanes	Glycols	Nitro Compounds	Silicon Halides
Alkynes	Halogenated Aliphatics	Nonmetal Hydrides	Sulfides
Amines	Halogenated Aromatics	Olefins (Alkenes)	Sulfones
Aromatics	Halogenated Olefins	Organometalics	Sulfur Bearing
Bicyclics	Halogens	Oxides	Thiophenes
Boranes		Oxyhalides	

Common Minor Components in Specialty Mixtures

Praxair's mixture blending capabilities are among the most extensive in the industry. We can blend hundreds of minor components in a variety of balance gases in concentrations from <1 ppm to >50%. The following section contains information for binary mixtures of the most common minor components, such as:

Acetylene	Ethylene Oxide	Nitric Oxide
Ammonia	Halocarbon-12	Nitrogen
Argon	Halocarbon-22	Nitrogen Dioxide
Benzene	Helium	Nitrous Oxide
n-Butane	Hexane	Oxygen
Carbon Dioxide	Hydrogen	Pentane
Carbon Monoxide	Hydrogen Sulfide	Propane
Carbonyl Sulfide	Isobutane	Propylene
Dimethyl Disulfide	Isobutylene	Sulfur Dioxide
Dimethyl Sulfide	Krypton	Sulfur Hexafluoride
Ethane	Methane	Toluene
Ethanol	Methanol	Vinyl Chloride
Ethylene	Neon	Xenon

If your required component is not listed here, please contact your Praxair representative for a custom quotation.

How to Create Your Praxair Mixtures in 3 Easy Steps

- 1** List minor component(s), desired concentration (e.g. ppm, vol%) and specify the desired balance gas.
 - 2** Specify desired mixture grade to meet your specific requirements. Blend tolerance and analytical uncertainty can be specified using Custom Standard. See page D1 for details.
 - 3** Specify desired cylinder style. For first time mixture orders, consult Praxair for the cylinder style best suited for your volume and quality needs.
- To simplify reordering, Praxair can create a custom part number for you that specifies all elements of your mixture.**

Example

1	2	3
Carbon Dioxide 1200 ppm	Primary Standard	K
Oxygen 1.0%		
Nitrogen Balance		