



# Product Specifications and Shelf Life Statement

GAS MIXTURE	SIZE	Recommended Shelf Life
LEL Mixtures	All Cylinders (excluding 1AL and 12DA)	60 Months
Other Non-Reactive Gas Mixtures	All Cylinders (excluding 1AL and 12DA)	60 Months
Hydrogen Sulfide	2AL, 2ALR, 8AL, 10AL, 112DA, 10ALR, 65AL and 65ALR	24 Months
Hydrogen Sulfide at 1ppm / Nitrogen	10AL and 112DA	6 Months
Sulfur Dioxide	2AL, 2ALR, 8AL, 10AL, 112DA, 10ALR, 65AL and 65ALR	24 Months
Ammonia	2AL, 2ALR, 8AL, 10AL, 112DA, 10ALR, 65AL and 65ALR	18 Months
Chlorine / Nitrogen	2AL, 2ALR, 8AL, 10AL, 112DA, 10ALR, 65AL and 65ALR	9 Months
Hydrogen Chloride / Nitrogen	2AL, 2ALR, 8AL, 10AL, 112DA, 10ALR, 65AL and 65ALR	12 Months
Ethylene Oxide	2AL, 2ALR, 8AL, 10AL, 112DA, 10ALR, 65AL and 65ALR	12 Months
Hydrogen Cyanide	2AL, 2ALR, 8AL, 10AL, 112DA, 10ALR, 65AL and 65ALR	18 Months
Nitric Oxide / Nitrogen	2AL, 2ALR, 8AL, 10AL, 112DA, 10ALR, 65AL and 65ALR	18 Months
Nitrogen Dioxide	2AL, 2ALR, 8AL, 10AL, 112DA, 10ALR, 65AL and 65ALR	7 Months
Phosphine / Nitrogen	2AL, 2ALR, 8AL, 10AL, 112DA, 10ALR, 65AL and 65ALR	18 Months
Silane / Nitrogen	2AL, 2ALR, 8AL, 10AL, 112DA, 10ALR, 65AL and 65ALR	12 Months
Ethanol	2AL, 8AL, 10AL, 6D and 5E	36 Months
Benzene / Air	2AL, 8AL, 10AL, 6D, 65ALR and 5ELR	24 Months
Reactive Gas Mixtures	1AL	3 Months
Reactive Gas Mixtures ( H <sub>2</sub> S, SO <sub>2</sub> )	12DA	3 Months
Non Reactive Gas Mixtures	1AL	12 Months
Non Reactive Gas Mixtures	12DA	36 Months

**Mixture Tolerances:** All mixtures (excluding Ethanol) as follows,  
 1- 2 ppm + 100% / -50% (relative)  
 2-20ppm +/- 10% (relative)  
 21-50 ppm ± 5% (relative)  
 51 ppm & above ± 2% (relative)

All Ethanol mixtures:  
 ± 5.21 ppm or ± 2% whichever is greater  
 Note: All gas mixtures are manufactured using scales calibrated with N.I.S.T. traceable weights.

[info@calgaz.com](mailto:info@calgaz.com)

## North America

**Global Headquarters**  
 Houston, TX  
 +1 713 624 8000

**Customer Service and Manufacturing Facility**  
 Cambridge, Maryland  
 +1 885 738 1197

## Europe & Africa

**Customer Service and Manufacturing Facility**  
 Stoke-on-Trent, United Kingdom  
 +44 808 164 8897

## Middle East

**Sales and Distribution Hub**  
 Jebel Ali, Dubai, UAE  
 +44 1782 566987

## Asia - Singapore

**Sales, Customer Services and Distribution Hub**  
 +65 6265 3788

## China, Hong Kong and Taiwan

**Sales, Customer Services and Distribution Hub**  
 +86 21 6090 3711

## Australia

**Sales, Customer Services and Distribution Hub**  
 +61 3 9300 5644

 **Air Liquide**  
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