



# Gas Mixtures - Shelf Life

## Product Specifications & Shelf Life Statement

Gas Mixtures	Recommended Shelf Life *
Non-Reactive mixtures	48 Months
Four-Gas Mix With (Hydrogen Sulfide and/or Sulfur Dioxide)	24 Months
Ammonia (NH <sub>3</sub> )	24 Months
Carbonyl Sulfide (COS)	12 Months
Chlorine (Cl <sub>2</sub> ) (34 Liter 2 PPM to 4 PPM)	3 Months
Chlorine (Cl <sub>2</sub> ) (58 Liter 2 PPM to 4 PPM)	6 Months
Chlorine (Cl <sub>2</sub> ) 5 PPM and higher	12 Months
Ethylene Oxide (ETO)	12 Months
Hydrogen Chloride (HCl)	12 Months
Hydrogen Cyanide (HCN)	12 Months
Hydrogen Sulfide (H <sub>2</sub> S)	24 Months
Hydrogen Sulfide 1 PPM (H <sub>2</sub> S)	6 Months
Nitric Oxide (NO)	12 Months
Nitrogen Dioxide (NO <sub>2</sub> )	12 Months
Phosphine (PH <sub>3</sub> )	12 Months
Silane (SiH <sub>4</sub> )	12 Months
Sulfur Dioxide (SO <sub>2</sub> )	24 Months

\*The above shelf life applies to the following cylinders 17L,34L,44L,58L,66L,74L,103L,105L,116L,221L,552L, 600L,650L

Mixtures Tolerances: All mixtures (excluding Ethanol) as follows,

Concentration	Blend Tolerance	Analytical Tolerance
5PPM	Inquire	≤ 2%
5PPM to 1%	± 10%	≤ 2%
≥ 1%	± 5%	≤ 2%

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.



# Contact Details

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