



## PAMS / OZONE PRECURSOR MIXTURES

MATHESON offers 1991 and 1998 Ozone Precursor standards. In addition, MATHESON manufactures custom subsets and HRVOC standards for state and city ground level ozone monitoring and control.

### 1991 PAMS / Ozone Precursor Mixture (56 Minor Components)

#### Shipping Information

UN Number:	UN 1956
DOT Proper Shipping Name:	Compressed Gas, nos, (List of Components)
DOT Classification:	2.2 (Nonflammable Gas)
DOT Label:	NON-FLAMMABLE GAS
TC Shipping Name:	Compressed Gas, nos, (List of Components)
TC Classification:	2.2
TC Label:	NON-FLAMMABLE GAS, NON-POISONOUS GAS

#### Cylinder Specifications

Cylinder Size	Valve Outlet CGA No.	Pressure psig @ 70°F	Pressure kPa @ 21.1°C	Approximate Ship Weight	
				lb	kg
1I	350	1,800	12,410	69	36
2I	350	1,800	12,410	48	22
3I	350	1,800	12,410	28	13
6I	180	1,775	12,238	5	2

Gas Mixtures

#### 56 Minor Components

• Acetylene	[74-86-2]	• trans-2-Hexene	[4050-45-7]	• n-Pentane	[109-66-0]
• Benzene	[71-43-2]	• Isobutane	[75-28-5]	• 1-Pentene	[109-67-1]
• n-Butane	[106-97-8]	• Isopentane	[78-78-4]	• cis-2-Pentene	[627-20-3]
• 1-Butene	[106-98-9]	• Isoprene	[78-79-5]	• trans-2-Pentene	[646-04-8]
• cis-2-Butene	[590-18-1]	• Isopropylbenzene	[98-82-8]	• alpha-Pinene	[80-56-8]
• trans-2-Butene	[624-64-6]	• 2-Methyl-2-butene	[513-35-9]	• beta-Pinene	[127-91-3]
• Cyclohexane	[110-82-7]	• 3-Methyl-1-butene	[563-45-1]	• Propane	[74-98-6]
• Cyclopentane	[287-92-3]	• 2-Methyl-1-pentene	[763-29-1]	• n-Propylbenzene	[103-65-1]
• Cyclopentene	[142-29-0]	• 4-Methyl-1-pentene	[691-37-2]	• Propylene	[115-07-1]
• 2,2-Dimethylbutane	[75-83-2]	• Methylcyclohexane	[108-87-2]	• Styrene	[100-42-5]
• 2,3-Dimethylbutane	[79-29-8]	• Methylcyclopentane	[96-37-7]	• Toluene	[108-88-3]
• 2,3-Dimethylpentane	[565-59-3]	• 2-Methylheptane	[592-27-8]	• 1,2,4-Trimethylbenzene	[95-63-6]
• 2,4-Dimethylpentane	[108-08-7]	• 3-Methylheptane	[589-81-1]	• 1,3,5-Trimethylbenzene	[108-67-8]
• Ethane	[74-84-0]	• 2-Methylhexane	[591-76-4]	• 2,2,4-Trimethylpentane	[540-84-1]
• Ethylbenzene	[100-41-4]	• 3-Methylhexane	[589-34-4]	• 2,3,4-Trimethylpentane	[565-75-3]
• Ethylene	[74-85-1]	• 2-Methylpentane	[107-83-5]	• m-Xylene	[108-38-3]
• Heptane	[142-82-5]	• 3-Methylpentane	[96-14-0]	• o-Xylene	[95-47-6]
• Hexane	[110-54-3]	• Nonane	[111-84-2]	• p-Xylene	[106-42-3]
• cis-2-Hexene	[7688-21-3]	• Octane	[111-65-9]	• Balance VOC Free Nitrogen	

1 ppm Mix Product Code	Cylinder Size	Content		Equipment Recommendations	Model No.
		US	Metric		
G0815068	1I	128 ft <sup>3</sup>	3.64 m <sup>3</sup>	For VOC < 1 ppm in 1I, 2I, 3I Cylinders ULTRA Line UHP Regulator	SEQ9303-350V2T
G2658382	2I	68 ft <sup>3</sup>	2.40 m <sup>3</sup>		
G0815028	2I	29 ft <sup>3</sup>	0.82 m <sup>3</sup>		
G0815053	6I	3.67 ft <sup>3</sup>	104 L		
				For VOC < 1 ppm in 6I Cylinders Micro Regulator SS	SEQ3373-180-1T
				For VOC ≥ 1 ppm in 1I, 2I, 3I Cylinders Miniature Regulator SS	SEQ3571-350-2T
				For VOC ≥ 1 ppm in 6I Cylinders Miniature Regulator SS	SEQ3571-180-2T
				6I Cylinder Stand	700

Please refer to MATHESON Brochure BR-201 for more information.