



## 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		Approximate Ship Weight	
		psig @ 70°F	kPa @ 21.1°C	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

#### 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>	<b>For VOC &lt; 1 ppm in 1I, 2I, 3I Cylinders</b> 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>	<b>For VOC &lt; 1 ppm in 6I Cylinders</b> Micro Regulator SS	SEQ3373-180-1T
G0815053	6I	3.67 ft <sup>3</sup>	104 L		
				<b>For VOC ≥ 1 ppm in 1I, 2I, 3I Cylinders</b> Miniature Regulator SS	SEQ3571-350-2T
				<b>For VOC ≥ 1 ppm in 6I Cylinders</b> Miniature Regulator SS	SEQ3571-180-2T
				6I Cylinder Stand	700

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

⚠ WARNING: This product can expose you to chemicals including Ethylbenzene, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

⚠ WARNING: This product can expose you to chemicals including Styrene, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

⚠ WARNING: This product can expose you to chemicals including Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

⚠ WARNING: This product can expose you to chemicals including Benzene, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

⚠ WARNING: This product can expose you to chemicals including Isoprene, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).