

Transportation Information



UN Number: 1072

	USA	Canada	Mexico
Shipping Name	Oxygen, Compressed	Oxygen, Compressed	Oxygen, Compressed
Hazard Class	2.2 (5.1)	2.2 (5.1)	2.2
Label	Nonflammable Gas, Oxidizer	Nonflammable Gas, Oxidizer	Nonflammable Gas, Oxidizer

(M)SDS Reference

P-4638

CAS Number

7782 - 44 - 7

General Description

Colorless, odorless, highly oxidizing gas.

Product/Grade	Purity	Part Number	Cylinder	H ₂ O	N ₂	THC	CO	CO ₂	Ar	Kr	N ₂ O
Research, 5.0	99.999%	OX 5.0RS	T, K	1	5	0.5	1	1	5	1	-
Semiconductor, 5.0	99.999%	OX 5.0SP	T, K	1	5	0.5	1	1	5	3	-
Ultra High Purity Plus, 4.5	99.995%	OX 4.5UP	T, K	1	10	1	-	-	15	-	-
Ultra High Purity, 4.3	99.993%	OX 4.3UH	T, K, Q	3	10	1	-	-	40	-	-
Hydrocarbon Free, 4.0	99.99%	OX 4.0HC	T, K	-	-	0.1	-	1	-	-	-
Semiconductor, 4.0	99.99%	OX 4.0MO	T, K	3	50	1	1	1	30	-	2
Zero, 2.6	99.6%	OX 2.6Z	T, K	3	-	0.5	-	-	-	-	-
Extra Dry, 2.6	99.6%	OX 2.6	T, K	10	-	-	-	-	-	-	-

Concentrations given are ppm by volume unless otherwise specified. Maximum ppm unless otherwise noted.

Cylinders

Cylinder Type	Style	Size in (cm)	Connection CGA	Pressure psig (bar)	Volume ft ³ (m ³)	Gross Weight lb (kg)
T	High Pressure Steel	55 x 9.3 (139.7 x 23.5)	540	2640 (183)	337 (9.35)	165 (75)
K	High Pressure Steel	51 x 9 (129.5 x 22.9)	540	2200 (154)	249 (6.90)	149 (68)
Q	High Pressure Steel	31 x 7 (78.7 x 17.8)	540	2200 (154)	83 (2.3)	70 (31.8)

Equipment Recommendations



3013 Series – High Purity Regulator for Oxygen Service (see page E•269)



See page B•86 for cryogenic liquid oxygen.

See Section D, Medical Gases for Oxygen – U.S.P. Grade (page D•234).

Bulk quantities available upon request.

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