

### Transportation Information

UN Number: 1977



Shipping Name	Nitrogen, Refrigerated Liquid	Nitrogen, Refrigerated Liquid	Nitrogen, Refrigerated Liquid
Hazard Class	2.2	2.2	2.2
Label	Nonflammable Gas	Nonflammable Gas	Nonflammable Gas

### (M)SDS Reference

P-4630

### CAS Number

7727 - 37 - 9 (R)

### General Description

Colorless, odorless, nonflammable, cryogenic liquid.

Product/Grade	Purity	Part Number	Cylinder	O <sub>2</sub>	H <sub>2</sub> O	THC
UHP, 5.0	99.999%	NI 5.0LC	180, 230	1	3	0.5
High Purity, 4.8	99.998%	NI 4.8LC	180, 230	5	3	-

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 <sup>3</sup> (m <sup>3</sup> )	Gross Weight lb (kg)
230	Portable Liquid Unit	53 x 26 (134.6 x 66)	580, 295	varies	5030 (139)	664 (301)
180	Portable Liquid Unit	64 x 20 (162 x 50.8)	580, 295	varies	4110 (114)	557 (253)

### Equipment Recommendations

4083, 4085, 4084 and 4086 series regulators.  
Final SGE recommendation based on withdrawal rate.



4084 and 4086 Series – Critical Purity High Flow Regulators for Non-Corrosive Service (see page E-265)



See Sections F and G for safety and technical information.