

# Nitrogen Dioxide NO<sub>2</sub>

Synonyms: Dinitrogen Tetroxide, Nitrogen Peroxide

### Physical Constants of Gas

Molecular Weight ..... 46.005  
 Specific Volume ..... 4.7 CF/lb. (0.29 m<sup>3</sup>/kg)  
 Boiling Point ..... 70.1°F (21.2°C) 1 atm  
 Gas Density 70°F 1 atm ..... 3.4 kg/m<sup>3</sup>

### Cylinder Data

CGA Valve Outlet ..... 660

### Shipping Data

Shipping Class ..... 200  
 DOT/TC Name ..... Dinitrogen Tetroxide  
 DOT Class ... 2.3 (Poisonous Gas) Hazard Zone A  
 TC Class ..... 2.3 (5.1) (8) Toxic Gas (Oxidizer)  
 (Corrosive)  
 WHMIS Class ..... ACD1AD2B  
 DOT Label ..... Poison Gas, Oxidizer, Corrosive  
 CAS Registry No. .... 10102-44-0  
 UN No./ATA No. .... UN1067

### Safety Information

Poisonous liquid and gas.  
 Can cause severe lung damage.  
 Can cause eye and skin burns.  
 Symptoms of exposure may be delayed.  
 Vigorously accelerates combustion.  
 May be fatal if inhaled.

Specifications								Recommended Equipment		
Grade	Purity (Minimum)	Size	Contents		Pressure		Weight		Description Model Number	Page
			lbs.	kg	psig	bar	lbs.	kg		
CHEMGAZ 1	99% Liquid Phase	44	118	54	0	0	251	144	Manual Control Valve Q1-40S Series	329

Our SCOTT™ gas delivery equipment is guaranteed to preserve the purity and integrity of your gas. See page 261.