

MSDS	MATERIAL SAFETY DATA SHEET
Leland Limited, Inc. 2614 South Clinton Avenue South Plainfield, NJ 07080 908-561-2000 9-5 EST 908-668-1744** Fax: 908-668-7716 **Speak a callback number, then hit #911. Someone will call back in a short amount of time.**	Emergency Contact Information: CHEMTREC Domestic 800-424-9300 International 703-527-3887
	Gas: Nitrogen (Compressed Gas) UN# 1066 Diatomic Nitrogen, Nitrogen Gas, N2, Molecular Mass: 28.0

Component: Nitrogen, compressed gas, Inorganic Gas, (CAS#7727-37-9) 100%

NFPA Ratings (Scale 0-4): Health=1, Fire=0, Reactivity=0

Physical State; Appearance: Odorless, colorless

Types of Hazard & Exposure	Acute Hazards / Symptoms	Prevention	First Aid / Fire Fighting
Fire	Not Combustible. Heating will cause rise in pressure with risk of bursting.	None	In case of fire in the surroundings: all extinguishing agents allowed.
Explosion	May rupture in heat of fire.	None	In case of fire: keep cylinder cool by spraying with water.
Exposure	Asphyxia	Ventilation	Fresh air, rest. Artificial respiration if indicated. Seek medical attention.
Inhalation	Asphyxia	Ventilation.	Fresh air, rest. Artificial respiration if indicated. Seek medical attention.
Skin	Direct spray may cause irritation.	None	In case of irritation, warm affected skin with warm water and seek medical attention.
Eyes	Direct spray may cause irritation.	None	In case of irritation, flush with large amounts of warm water, and seek medical attention.
Ingestion	Unlikely.	None	Treat symptomatically and seek medical attention.
Spillage Disposal		Storage	Packaging & Labeling
Ventilation. (Extra personal protection: self-contained breathing apparatus).		Fireproof if in building. Cool. Keep in a well ventilated room.	R: S: UN Hazard Class: 2.2

Physical Properties	Boiling Point: -196°C Freezing Point : -210°C Density: 1.2506 g/L Vapor Pressure: 760 mmHg @ -196 C Solubility in Water: 1.6% @ 20 C Solvent Solubility: Soluble in liquid ammonia; slightly soluble in alcohol. Vapor Density: 0.967 (air = 1)
Physical Dangers	Heated cylinder may rupture.
Chemical Dangers	Unknown
Inhalation Risk	On loss of containment, this gas can cause suffocation by lowering the oxygen content of the air in confined areas.
Applicability	Leland produces and ships many gas filled cylinders and the content (type of gas) is identified on the cylinder label, cylinder box, or shipping carton. ORM-D is a shipping label relating to a gas type which has been re-named as Consumer Commodity as allowed per 49 CFR 173.306.