

MSDS	MATERIAL SAFETY DATA SHEET	
Leland Limited, Inc. 2614 South Clinton Ave. South Plainfield, NJ 07080 908-668-1008 9-5 EST 908-668-1744** 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 800-242-9300 International 703-527-3887	
	Gas: Helium UN# 1046 He, Molecular Mass: 4.003	

Component: Helium (CAS#7440-59-7) 100%

CERCLA Ratings (Scale 0-3): Health=U, Fire=0, Reactivity=0, Persistence=0

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

Physical State; Appearance: Odorless, colorless, refigerated, liquefied gas

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: use appropriate extinguishing media.
Explosion	None	None	In case of fire: keep cylinder cool by spraying with water.
Exposure			
Inhalation	High Voice. Dizziness. Dullness. Headache. Suffocation.	Ventilation.	Fresh air, rest. Artificial respiration may be needed. Refer for medical attention.
Skin	ON CONTACT WITH LIQUID: FROSTBITE	Cold insulating gloves. Protective clothing.	ON FROSTBITE: rinse with plenty of water, do NOT remove clothes. Refer for medical attention;
Eyes	On contact with liquid: frostbite.	Safety goggles or face shield.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.

Ingestion	None	None	None
Spillage Disposal	Storage		Packaging & Labeling
Ventilation. NEVER direct water jet on liquid. Extra personal protection: self-contained breathing apparatus.	Fireproof if in building. Keep in a well ventilated room.		R: S: UN Hazard Class: 2.2

Physical Properties	Boiling Point: -268.9°C Melting Point : -272.2°C Specific Gravity: .1785 G/L @ 0 C Vapor Pressure: 1719 mmHg @ -268 C Solubility in Water: 0.94% @ 0 C Solvent Solubility: Insoluble in alcohol. Vapor Density: 0.138
Physical Dangers	The gas is lighter than air.
Chemical Dangers	None
Routes of Exposure	The substance can be absorbed into the body by inhalation.
Inhalation Risk	On loss of containment this gas can cause suffocation by lowering the oxygen content of the air in confined areas.
Effects of Short Term Exposure	This liquid may cause frostbite. Suffocation.
Effects of long term exposure	None
Applicable	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.