

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 800-424-9300 International 703-527-3887
	<h2 style="margin: 0;">Gas: Propane</h2> <h3 style="margin: 0;">UN# 1978</h3> <p style="margin: 0;">C3H8, CH3CH2CH3, Molecular Mass: 44.1</p>

Component: Propane (CAS#74-98-6) >95%

CERCLA Ratings (Scale 0-3): Health=1, Fire=3, Reactivity=0, Persistence=0

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

Physical State; Appearance: Gasoline Odor, colorless, compressed liquefied gas

Types of Hazard & Exposure	Acute Hazards / Symptoms	Prevention	First Aid / Fire Fighting
Fire	Extremely Flammable	NO open flames, NO sparks, and NO smoking.	Shut off supply; if not possible and no risk to surroundings, let the fire burn itself out; in other cases extinguish with powder, carbon dioxide.
Explosion	Gas/air mixtures are explosive	Closed system, ventilation, explosion-proof electrical equipment and lighting. Prevent build up of electrostatic charges (e.g., by grounding) if in liquid state. Use non-sparking hand tools.	In case of fire: keep cylinder cool by spraying with water. Combat fire from a sheltered position.
Exposure			
Inhalation	Drowsiness. Unconsciousness.	Close system and 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	Face shield	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to
Ingestion	None	None	None

Spillage Disposal	Storage	Packaging & Labeling
Evacuate danger area! Consult an expert! Remove all ignition sources. Ventilation. NEVER direct water jet on liquid. (Extra personal protection: self-contained breathing apparatus.)	Fireproof. Cool.	F+ symbol Flammable Gas S: 2-9-16 UN Hazard Class: 2.1

Physical Properties	Boiling Point: -40°C Freezing Point : -190°C Specific Gravity: 0.5853 @ -45°C Vapor Pressure: 6398 mmHG @ 21.1°C Solubility in Water: Very SlightlySolvent Solubility: Soluble in absolute alcohol ether, chloroform, benzene, turpentine Vapor Density: 1.55 (air=1)
Physical Dangers	The gas is heavier than air and may travel along the ground; distant ignition possible, and may accumulate in low ceiling spaces causing deficiency of oxygen. As a result of flow, agitation, etc., electrostatic charges can be generated.
Chemical Dangers	None
Routes of Exposure	The substance can be absorbed into the body by inhalation.
Inhalation Risk	On loss of containment this liquid evaporates very quickly displacing the air and causing a serious risk of suffocation when in confined areas.
Effects of Short Term Exposure	Rapid evaporation of the liquid may cause frostbite. The substance may cause effects on the central nervous system.
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.