

THERMADYNE

VICTOR®

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MATERIAL SAFETY DATA SHEET

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Product Identity: Propane Fuel (0916-0004)

SECTION I: Material Description

Chemical Name & Formula: Liquefied Petroleum Gas or Propane (C₃H₈)
Product Use: Heating Fuel

SECTION II: Hazardous* Ingredients/Identity Information

Hazardous Components	Weight %	(Specific Chemical Identity) CAS No.
Air with Propane	2.15-9.60	74-98-6

SECTION III: Physical Data

Boiling Point:	-44°F	Specific Gravity (H ₂ O = 1):	0.51
Vapor Pressure (mm HG) at 100°F:	9825 %	Volatile by Volume (%):	100
Vapor Density (Air = 1):	1.52	Evaporative Rate:	None
Solubility in Water:	Slightly	Appearance:	Clear
Odor:	Unpleasant odor (caused by odorant)		

SECTION IV: Fire and Explosion Data

Flash Point: N/A
Classification: Flammable Gas UN 1075
Flammable Limits: LEL 2.15, UEL 9.60
Extinguishing Media: Water Spray: Class A-B-C or BC Fire Extinguishers
Special Fire Fighting Procedures: Stop flow of gas. Use water to keep fire-exposed containers cool. Use water spray to disperse unignited gas or vapor. If ignition has occurred and no water available, tank metal may weaken from overheating. Evacuate area. If gas has not ignited, LP-gas liquid or vapor may be dispersed by water spray or flooding.

SECTION V: Health Hazard Data

Threshold Limit Value: 1,000 PPM
Permissible Exposure Limit: 1,000 PPM
Effects of Overexposure:

Inhalation — Concentration can lead to symptoms ranging from dizziness to anesthetic and respiratory arrest
Eyes — Moderate Irritation.

Emergency & First Aid Procedures:

Inhalation — Remove to fresh air. Guard against self-injury. Apply artificial respiration if breathing has stopped.

Special Handling Recommendations: Use only in well-ventilated areas. Valve protection caps must remain in place. **DO NOT** drag, slide or roll cylinders. **DO NOT** heat cylinder by any means to increase the discharge rate of product from the cylinder.

Special Storage Recommendations: Protect cylinders from physical damage. Store in cool, dry, well-ventilated area of non-combustible construction away from heavily trafficked areas and emergency exits. **DO NOT** allow the temperature where cylinders are stored to exceed 130°F (54°C). Cylinders should be stored upright and firmly secured to prevent falling or being knocked over. Full and empty cylinders should be segregated. Use a "first in - first out" inventory system to prevent full cylinders being stored for excessive periods of time. Post "No Smoking or Open Flames" signs in the storage or use area. There should be no sources of ignition in the storage or use area.

Special Packaging Recommendations: This fuel gas should not be handled or used in metals which form acetylides such as copper, silver, magnesium or their alloys.

Other Recommendations or Precautions: Electrical equipment should be non-sparking or explosion proof. Compressed gas cylinders should not be refilled except by qualified producers of compressed gases. Shipment of a compressed gas cylinder which has not been filled by the owner or with his (written) consent is a violation of Federal Law (49 CFR).

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SECTION VI: Reactivity Data

Stable: YES

Hazardous Decomposition Products: None

Incompatibility (materials to avoid): Mixing with oxygen or air, except at burner.

Hazardous Polymerization: Will not occur

SECTION VII: Spill or Leak Procedures

Steps to be taken in case material is released: Keep public away. Shut off supply of gas. Eliminate sources of ignition. Ventilate the area. Disperse with water spray. Contact between skin and these gases in liquid form can cause freezing of tissue causing injury similar to thermal burn.

Waste Disposal Method: Controlled burning. Contact supplier.

SECTION VIII: Special Protection Information

Ventilation: Explosion-proof motors and keep sources of ignition at safe distances.

Respiratory Protection: Stay out of gas or vapor (because of fire hazard).

Personal Protective Equipment and Apparel: Leather or equivalent gloves, goggles for protection against accidental release of pressurized products.

SECTION IX: Special Precautions

Precautions to be taken when handling and storing: Keep containers away from heat sources and store in upright position. Containers should not be dropped. Keep container valve closed when not in use.

Other Precaution: Install protective caps when not connected for use.

SECTION X: Toxicological Information

OSHA Carcinogen Classification (29 CFR 1910): Not listed/applicable

SECTION XI: DOT Labeling Information (49 CFR 100-199)

Proper Shipping Name: Liquefied Petroleum Gas

Hazardous Classification: Flammable Gas

Identification No.: UN 1075

Label(s) Required: Flammable, Class 2

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