

MATERIAL SAFETY DATA SHEET

SECTION 1 CHEMICAL PRODUCTS & COMPANY IDENTIFICATION

TEXON LP
11757 Katy Freeway
Suite 1400
Houston, Texas 77079

Information: (281) 531-8400
CHEMTREC: (800) 424-9300

Product Name: **HD-5 Propane (non-odorized)** Last Revision: 12/7/10
MSDS Number: A0111b.msds Date Prepared: 1/26/94

Synonyms: Dimethyl Methane, Propane/Propylene Feedstock, LPG,
Propylene-Propane Mix, Commercial Propane, LP-Gas,
Liquefied Petroleum Gas, Propane (Unstented),
Unodorized Propane

Product Description: Propane, Aliphatic Hydrocarbon.

SECTION 2 COMPOSITION/ INFORMATION ON INGREDIENTS

Occupational Exposure

Limits*

Product	CAS No.	Wt%	OSHA	ACGIH	NIOSH++	Units
			PEL	TLV	REL	
HD-5 Propane (non-odorized)+	Mixture	100	N/A	N/A		
Component(s)						
Propane	74-98-6	90-100	1000	1000	1000	ppm
Propylene	115-07-1	0-5	N/A	1000**		ppm
Butane	106-97-8	0-2.5	800***	1000	800	ppm

WARNING: An odorant has NOT been added to this product. You cannot depend on your sense of smell for leak detection.

Key: * = 8-Hr. TWA unless otherwise specified.

** = Simple asphyxiant.

*** = Vacated 1989 PEL.

+ = Product contains 90% propane by volume in accordance with 16 CFR 306.

N/A = Not Available.

++ = 10-Hr. TWA unless otherwise specified.

SECTION 3 HAZARD IDENTIFICATION
--

Note: This product has not been tested by El Paso Corporation to determine its specific health hazards. Therefore, the information provided in this section includes health hazard information on the product components.

Carcinogenicity:	NTP	IARC Monographs	OSHA Regulated
Propane (non-odorized)	No	No	No
Propylene	No	Yes	No

Potential Health Effects From Overexposure

Acute Effects:

Eyes: Eye irritation, direct contact may cause burns or frostbite.

Skin: Irritation, contact with liquefied gas may cause frostbite.

Inhalation: Weakness, headache, confusion, blurred vision, drowsiness, suffocation, nausea and/or other nervous system effects. Continued exposure may result in dizziness, slurred speech, flushed face, unconsciousness, or convulsions. High concentrations may affect heart and cause respiratory depression.

Ingestion: Not applicable.

Chronic Effects:

None determined.

Additional Medical and Toxicological Information:

(Note of Physicians) Due to increased risk of eliciting cardiac dysrhythmias, catecholamine drugs, such as epinephrine, should be used with special caution in situations of emergency life support. Arrhythmias have been reported in animals exposed to high concentrations and given epinephrine. Medical providers are urged to contact a Regional Poison Control Center (1-800-222-1222).

SECTION 4 FIRST AID MEASURES

Eye Contact: If liquid propane contacts the eye, immediately flush with large amounts of water for at least 15 minutes, including under the eyelids. Speed and thoroughness in rinsing eyes are important to avoid permanent injury. Seek medical attention.

Skin Contact: Wash affected areas with soap and flush with large amounts of tepid water for 15 to minutes. If freeze burns have occurred, apply bulky, dry, sterile bandage to protect area. Do not rub affected area. Get immediate medical attention.

Inhalation: Remove to fresh air. Apply artificial respiration if not breathing. Get medical attention.

Ingestion: None considered necessary.

SECTION 5 FIRE FIGHTING MEASURES

Flash Point: Not Applicable(-156EF)

Flammable Limits in Air, % by Volume:

Lower: 2.4

Upper: 9.5

Autoignition Temperature: 842°F (NFPA 1994)/450°C

Extinguishing Media: Dry chemical, foam, or carbon dioxide.

NFPA Ratings: Health: 1 Flammability: 4 Reactivity: 0

General Hazard:

Gas may flow on surface for considerable distance, reach an ignition source, and flash back. It can be a dangerous fire and explosion hazard when mixed with air. Continue cooling containers with water after fire has been extinguished. This product is heavier than air and will tend to accumulate in low-lying areas.

Fire Fighting Instructions:

Water may be ineffective on flames but should be used to keep fire-exposed containers cool. Do not completely extinguish flame unless gas flow is shut off! Firefighters should wear self-contained breathing apparatus and full protective clothing.

SECTION 6 ACCIDENTAL RELEASE

Remove sources of heat or ignition including internal combustion engines and power tools. Stop gas flow. Ventilate the area. Keep people away. Stay upwind and warn people downwind of possible explosion. This product is heavier than air and will tend to accumulate in low-lying areas. Wear self-contained breathing apparatus if condition warrants. Equipment used for cleanup must be explosion proof/intrinsically safe and suitable for flammable liquid and vapor.

SECTION 7 HANDLING & STORAGE

Store and use propane cylinders and tanks in well-ventilated areas, away from direct sunlight and incompatible materials or sources of heat and ignition. NO smoking in areas of storage or use. Electrically bond all lines and equipment used with propane. Keep away from oxidizing agents and cylinders of oxygen or chlorine. Empty containers may contain residue (liquid/vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other sources of ignition; they may explode and cause injury or death.

SECTION 8 EXPOSURE CONTROL, PERSONAL PROTECTION

Eye Protection: Remove contact lenses and wear chemical safety glasses and/or goggles or face shield (with goggles or safety glasses) that meet or exceed ANSI Z87.1 where contact with liquid may occur.

Skin Protection: Where contact with liquid propane is possible, use appropriate protective clothing and/or gloves.

Inhalation: Use approved respiratory protective equipment for cleaning large spills or upon entry into large tanks, vessels, and other designated confined spaces or in any situation where airborne concentrations may exceed occupational exposure limits.

Ventilation: Provide adequate general and local ventilation: (1) to maintain airborne chemical concentrations below applicable exposure limits, (2) to prevent accumulation of flammable gases or vapors and formation of explosive atmospheres, and (3) to prevent formation of oxygen deficient atmospheres, especially in confined spaces. [Note: this product may displace oxygen in enclosed areas.]

SECTION 9 PHYSICAL & CHEMICAL PROPERTIES

Boiling Point 760 mmHg: -44°F
Vapor Pressure mmHg @ 26.9°C: 10
Solubility in H₂O: Slight
% Volatile by Volume: 100
Viscosity (method, temp.): N/A
Appearance: Colorless Gas
Specific Gravity 0.50-0.51 @ 60°F (15.6°C)
Freezing Point: -309°F/-189°C
Melting Point: N/A
Vapor Density (Air=1): 1.5
pH: N/A
Evaporation Rate: N/A
Odor: Odorless
Molecular Weight: 44.09
UEL - 9.5%
LEL - 2.1%
Flash Point -156°F/-104°C (when in liquid form)

SECTION 10 STABILITY & REACTIVITY

Stability: Stable under normal conditions of use.
Hazardous Polymerization: Will not occur.
Conditions to Avoid/Incompatibilities: Strong oxidizing agents, heat, sparks, flame and build-up of static electricity.
Hazardous Decomposition Products: Carbon monoxide and carbon dioxide.

SECTION 11 TOXICOLOGICAL INFORMATION

No data available.

SECTION 12 ECOLOGICAL INFORMATION

No data available.

SECTION 13 DISPOSAL INFORMATION

Dispose through a licensed waste disposal company. Follow applicable federal, state and local waste disposal regulations.

SECTION 14 TRANSPORT INFORMATION
--

Liquefied petroleum gas, 2.1, UN 1075.

SECTION 15 REGULATORY INFORMATION

EPA SARA TITLE III

Section 302 EPCRA Extremely Hazardous Substances (EHS)

Product Component	CAS No.	Wt%	RQ, lb	TPQ, lb
None				

Section 304 CERCLA Hazardous Substances

Product Component	CAS No.	Wt%	RQ, lb
None			

Section 311/312 Hazard Categorization

Acute:	Chronic:	Fire:	Pressure:	Reactive:
X		X	X	

Section 313 EPCRA Toxic Substances

Product Component	CAS No.	Wt.%
Propylene	115-07-1	0-5

Key: RQ = Reportable Quantity
 TPQ = Threshold Planning Quantity of EHS

CALIFORNIA PROPOSITION 65 WARNING

Chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm may be found in crude oil and petroleum products. Although it is possible to sufficiently refine a crude oil or its end products to remove the potential for cancer, we are advising that one or more of the listed chemicals may be present in some detectable quantities. Read and follow directions and use care when handling crude oil and petroleum products.

SECTION 16 OTHER INFORMATION
--

THIS INFORMATION RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED AND MAY NOT BE VALID FOR SUCH MATERIAL USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS. SUCH INFORMATION IS TO THE BEST OF THIS COMPANY'S KNOWLEDGE AND BELIEVED ACCURATE AND RELIABLE AS OF THE DATE INDICATED. HOWEVER, NO REPRESENTATION, WARRANTY OR GUARANTEE IS MADE AS TO THE ACCURACY, RELIABILITY OR COMPLETENESS. IT IS THE USER'S RESPONSIBILITY TO SATISFY THEMSELVES AS TO THE SUITABILITY AND COMPLETENESS OF SUCH INFORMATION FOR THEIR OWN PARTICULAR USE.

This is the end of MSDS A0111b.msdx