



**SAFETY DATA SHEET**  
0916-0004, -0004C, 0916-0131  
**VICTOR PROPANE**

## SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifier

**Trade name** VICTOR PROPANE

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Use** Fuel

### 1.3 Details of the supplier of the safety data sheet

**Supplier** VICTOR

Street address 2800 Airport Road  
76207 Denton  
United States

Telephone 940-381-1323

**Emergency phone number** 940-566-2000

### 1.4 Emergency telephone number

**Emergency phone number** 940-566-2000

**Available outside office hours** Yes

## SECTION 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008, Annex VI

**Classification** Flammable gases, hazard category 1  
Gases under pressure, Liquefied gas

**Hazard statements** H220, H280

### 2.2 Label elements

#### GHS labeling of the substance (in accordance with Regulation (EC) No 1272/2008, Annex VI)

**Pictogram**



**Signal word** Danger



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**Hazard statements**

H220 Extremely flammable gas.  
H280 Contains gas under pressure; may explode if heated.

**Precaution statements**

P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.  
P282 Wear cold insulating gloves/face shield/eye protection.  
P315 Get immediate medical advice/attention.  
P336 Thaw frosted parts with lukewarm water. Do not rub affected area.  
P377 Leaking gas fire: Do not extinguish, unless leak can be stopped safely.  
P381 Eliminate all ignition sources if safe to do so.  
P403 Store in a well-ventilated place.

2.3 Other hazards

Not applicable

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

<i>Chemical name</i>	<i>CAS No. EC No.</i>	<i>Concentration</i>	<i>Classification</i>	<i>R-phrase H-phrase</i>
propane	74-98-6 200-827-9	>87%	F+ -	R12 -
ethane	74-84-0 200-814-8	<7%	F+ -	R12 -
propene	115-07-1 204-062-1	<5%	F+ -	R12 -
butane	106-97-8 203-448-7	<2,5%	F+ -	R12 -
ethanethiol	75-08-1 200-837-3	<0,005%	F, N, Xn -	R11, R20, R50, R53 -

## SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

P336 Thaw frosted parts with lukewarm water. Do not rub affected area. P315 Get immediate medical advice/attention. Rapid evaporation of the liquid may cause frostbite. Vapours are heavier than air and can cause suffocation by reducing oxygen available for breathing.

**Inhalation**

Move to fresh air in case of accidental inhalation of vapours. If breathing has stopped, apply artificial respiration. If breathing is difficult, give oxygen.

**Skin contact**

Remove contaminated clothing and shoes. Wash off with soap and plenty of water. Avoid skin contact with leaking liquid (danger of frostbite).



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**Eye contact** Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention.

**Information for doctors** Rapid evaporation of the liquid may cause frostbite.

*4.2 Most important symptoms and effects, both acute and delayed*

Not applicable

*4.3 Indication of any immediate medical attention and special treatment needed*

Not applicable

## SECTION 5. FIRE-FIGHTING MEASURES

*5.1 Extinguishing media*

**Suitable extinguishing media** use dry chemical, CO<sub>2</sub>, water spray or "alcohol" foam

*5.2 Special hazards arising from the substance or mixture*

Not applicable

*5.3 Advice for firefighters*

**Special protective equipment for fire-fighters** Wear full firefighting turn-out gear (full bunker gear), and respiratory protection (SCBA).

*Other*

**Additional information in case of fire** P377 Leaking gas fire: Do not extinguish, unless leak can be stopped safely. P381 Eliminate all ignition sources if safe to do so. In case of fire, stop leak if safe to do so.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

*6.1 Personal precautions, protective equipment and emergency procedures*

Evacuate personnel to safe areas. For effective first-aid, special training / education is needed. Ensure adequate ventilation, especially in confined areas.

*6.2 Environmental precautions*

Prevent spreading over a wide area (e.g. by containment or oil barriers). Prevent further leakage or spillage. Prevent from entering into soil, ditches, sewers, waterways and/or groundwater.

*6.3 Methods and material for containment and cleaning up*

P376 Stop leak if safe to do so.

*6.4 Reference to other sections*



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Not applicable

## SECTION 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

**Preventive handling precautions**

Keep away from open flames, hot surfaces and sources of ignition. Wear personal protective equipment.

**General hygiene**

Handle in accordance with good industrial hygiene and safety practice.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with the particular national regulations. Keep containers tightly closed in a cool, well-ventilated place.

### 7.3 Specific end use(s)

Not applicable

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

**Exposure limits**

OSHA PEL (ppm): Propane = 1000 ACGIH TLV (ppm): Propylene = 500 OSHA PEL (ppm): Ethyl Mercaptan = 10 (ceiling) ACGIH TLV (ppm): Ethyl Mercaptan = 0.5 ACGIH TLV (ppm): Butane = 1000 (STEL)

**National occupational exposure limits**

CAS No.	EC No.	Exposure Limit Values ppm / mg/m3		Short term exposure limit ppm / mg/m3		Ceiling Limit Value ppm / mg/m3		Country
75-08-1	200-837-3	0,5	1,3	2	5,2	-	-	BA
106-97-8	203-448-7	600	1450	750	1810	-	-	BA

### 8.2 Exposure controls

**Technical precaution measures**

Ensure adequate ventilation, especially in confined areas. Use adequate ventilation and/or engineering controls in high temperature processing to prevent exposure to vapors.

**Eye / face protection**

safety glasses with side-shields

**Safety gloves**

Chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374.

**Respiratory protection**

In case of insufficient ventilation wear suitable respiratory equipment.

**Thermal hazards**

Thermal hazards Rapid evaporation of the liquid may cause frostbite.



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## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

<b>Appearance</b>	Colorless gas
<b>Appearance, colour</b>	Colorless
<b>Appearance, physical state</b>	Not applicable
<b>Auto-ignition temperature</b>	° C
<b>Decomposition temperature</b>	Not applicable
<b>Evaporation rate</b>	Not applicable
<b>Explosive properties</b>	Not applicable
<b>Flammability (solid, gas)</b>	Extremely flammable gas
<b>Flash point</b>	Not applicable
<b>Freezing point</b>	° C
<b>Initial boiling point and boiling range</b>	Not applicable
<b>Lower explosion limit</b>	%
<b>Melting point / freezing point</b>	Not applicable
<b>Odour</b>	Rotten egg odor
<b>Odour treshold</b>	Not applicable
<b>Oxidising properties</b>	Not applicable
<b>Partition coefficient: n-octanol / water</b>	1.77
<b>Percent volatile</b>	%
<b>pH value</b>	Not applicable
<b>Physical state</b>	Gas
<b>Relative density</b>	0.504 (liquid) 1.5 (vapor) (air=1) @ 15 degrees celsius
<b>Solubility</b>	Not applicable
<b>Solubility in water</b>	Slightly soluble in water
<b>Upper / lower flammability or explosive limits</b>	Not applicable



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<b>Upper explosion limit</b>	%
<b>Vapour density</b>	Not applicable
<b>Vapour pressure</b>	127 psig (21 degrees celsius)
<b>Viscosity</b>	Not applicable

*9.2 Other information*

Not applicable

*Other*

Molecular weight: 45 g/mol

## SECTION 10. STABILITY AND REACTIVITY

*10.1 Reactivity*

Reacts violently with strong oxidants, nitrites, inorganic chlorides, chlorites, and perchlorates causing fire and explosion hazard.

*10.2 Chemical stability*

Stable under recommended storage conditions. Stable at normal conditions

*10.3 Possibility of hazardous reactions*

Not applicable

*10.4 Conditions to avoid*

Heat, flames and sparks.

*10.5 Incompatible materials*

strong oxidizing agents 5.51 - May cause combustion and explosion when in contact with acids, halogens, alcohols, amines.

*10.6 Hazardous decomposition products*

carbon oxides Hydrocarbons

## SECTION 11. TOXICOLOGICAL INFORMATION

*11.1 Information on toxicological effects*

<b>Acute toxicity</b>	Vapours are heavier than air and can cause suffocation by reducing oxygen available for breathing.
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<b>Skin corrosion / irritation</b>	Rapid evaporation of the liquid may cause frostbite.
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<b>Irritation</b>	Not applicable
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**Corrosive effects** Not applicable

**Sensitisation** Not applicable

**Mutagenicity** Not applicable

**Carcinogenicity** Not applicable

**Repeated dose toxicity** Not applicable

**Reproductive toxicity** Not applicable

**LD50 Oral** Ethyl Mercaptan: Rat 682 mg/kg

**LD50 Dermal** Ethyl Mercaptan: Rat >2000 mg/kg

**LC50 Inhalation** Propylene: Mouse - 680 mg/l, 2 hours: Rat - 658 mg/l, 4 hours Butane: Mouse 680 mg/l, 2 hours  
Rat 658 mg/l, 4 hours Propane: Rat >1442 mg/l, 15 minutes Ethyl Mercaptan: Mouse 4420 mg/l, 4  
hours

## SECTION 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

**Aquatic** not water endangering

### 12.2 Persistence and degradability

Readily biodegradable

### 12.3 Bioaccumulative potential

Not applicable

### 12.4 Mobility in soil

Not applicable

### 12.5 Results of PBT and vPvB assessment

Not applicable

### 12.6 Other adverse effects

Not applicable

## SECTION 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods



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**Disposal considerations**

Dispose of as hazardous waste in compliance with local and national regulations. Do not expose of any non-empty container. Cylinders should be emptied and returned to a hazardous waste collection point.

*Other*

**Waste code (EWC)**

D001: Waste Flammable material with a flash point <140 degrees fahrenheit.

## SECTION 14. TRANSPORT INFORMATION

*14.1 UN number*

UN1075

*14.2 UN proper shipping name*

**Name**

Petroleum gases, liquefied

*14.3 Transport hazard class(es)*

**ADN Class**

2.1

*14.4 Packing group*

Not applicable

*14.5 Environmental hazards*

Not applicable

*14.6 Special precautions for user*

Not applicable

*14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code*

Not applicable

*Other*

*Lake (IMDG)???*

**Additional information IMDG**

UN1075: Petroleum Gases, liquefied: Class 2.1: Label 2.1

*Flight (DGR)*

**Additional information IATA  
(ICAO)**

UN1075: Petroleum Gases, liquefied: Class 2.1: Label 2.1

## SECTION 15. REGULATORY INFORMATION





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*15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture*

Not applicable

*15.2 Chemical safety assessment*

Not applicable

## SECTION 16. OTHER INFORMATION

**Phrase meaning**

F - Highly flammable  
F+ - Extremely flammable  
N - Dangerous for the environment  
Xn - Harmful  
R11 - Highly flammable.  
R12 - Extremely flammable.  
R20 - Harmful by inhalation.  
R50 - Very toxic to aquatic organisms.  
R53 - May cause long-term adverse effects in the aquatic environment.

*Other*

**Additional information**

For further information, please also consult our Internet site Information derived from practical experience. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication.