

# SAFETY DATA SHEET

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## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

Product Name Odorized Commercial Propane

### Other means of identification

UN-No. UN1075

Synonyms None

### Recommended use of the chemical and restrictions on use

Recommended Use Compressed gas

Uses advised against No information available

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

Supplier Name Amerigas

Supplier Address 460 N Gulph Road  
King of Prussia  
PA  
19406  
US

Supplier Phone Number Phone:888-428-9779  
Contact Phone800-434-2323

Supplier Email Corinne.garnett@amerigas.com

### Emergency telephone number

## 2. HAZARDS IDENTIFICATION

### Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

|                      |               |
|----------------------|---------------|
| Flammable gases      | Category 1    |
| Gases under pressure | Liquefied gas |

### GHS Label elements, including precautionary statements



**Emergency Overview****Signal word****Danger**

Extremely flammable gas  
Contains gas under pressure; may explode if heated

**Appearance** Colorless**Physical state** Gas**Odor** Unpleasant**Precautionary Statements - Prevention**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking

**Precautionary Statements - Response****Fire**

Leaking gas fire: Do not extinguish, unless leak can be stopped safely  
Eliminate all ignition sources if safe to do so

**Precautionary Statements - Storage**

Store in a well-ventilated place  
Protect from sunlight. Store in a well-ventilated place

**Precautionary Statements - Disposal**

None

**Hazards not otherwise classified (HNOC)**

Not applicable

**Unknown Toxicity**

0% of the mixture consists of ingredient(s) of unknown toxicity

**Other information**

May cause slight eye irritation

**Interactions with Other Chemicals**

Use of alcoholic beverages may enhance toxic effects.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No  | Weight-% | Trade Secret |
|---------------|---------|----------|--------------|
| Propane       | 74-98-6 | 60 - 100 | *            |

\*The exact percentage (concentration) of composition has been withheld as a trade secret

### 4. FIRST AID MEASURES

#### First aid measures

|                                           |                                                                                                                                                                                                                                                                  |
|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eye contact</b>                        | Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.                                                                                                                                                            |
| <b>Skin contact</b>                       | Clothing frozen to the skin should be thawed before being removed. In case of contact with liquefied gas, thaw frosted parts with lukewarm water. IF ON CLOTHING: rinse immediately contaminated clothing and skin with plenty of water before removing clothes. |
| <b>Inhalation</b>                         | Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, (trained personnel should) give oxygen.                                                                                                                           |
| <b>Ingestion</b>                          | Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person.                                                                                                                                                        |
| <b>Self-protection of the first aider</b> | Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.                                                                                                                 |

#### Most important symptoms and effects, both acute and delayed

**Most Important Symptoms and Effects** No information available.

#### Indication of any immediate medical attention and special treatment needed

**Notes to Physician** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Dry chemical. Carbon dioxide (CO<sub>2</sub>).

### Unsuitable extinguishing media

DO NOT EXTINGUISH A LEAKING GAS FIRE UNLESS LEAK CAN BE STOPPED.

### Specific hazards arising from the chemical

Will be easily ignited by heat, sparks or flames. Will form explosive mixtures with air. Vapors from liquefied gas are initially heavier than air and spread along ground. Vapors may travel to source of ignition and flash back. Ruptured cylinders may rocket.

#### Uniform Fire Code

Propane/Liquefied Petroleum Gas  
Compressed Gas: Flammable

### Explosion Data

**Sensitivity to Mechanical Impact** Yes.

**Sensitivity to Static Discharge** None.

### Protective equipment and precautions for firefighters

DO NOT EXTINGUISH A LEAKING GAS FIRE UNLESS LEAK CAN BE STOPPED. Move containers from fire area if you can do it without risk.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

#### Personal precautions

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Stop leak if you can do it without risk.

### Environmental precautions

#### Environmental precautions

Use water spray to reduce vapors or divert vapor cloud drift. Avoid allowing water runoff to contact spilled material. Prevent spreading of vapors through sewers, ventilation systems and confined areas.

### Methods and material for containment and cleaning up

#### Methods for containment

If possible, turn leaking containers so that gas escapes rather than liquid. Isolate area until gas has dispersed.

#### Methods for cleaning up

Do not direct water at spill or source of leak.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Handling** Do not puncture or incinerate cans. Contents under pressure.

### Conditions for safe storage, including any incompatibilities

**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from sunlight.

**Incompatible Products** None known based on information supplied.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

### Exposure Guidelines

| Chemical Name      | ACGIH TLV     | OSHA PEL                                     | NIOSH IDLH                                                     |
|--------------------|---------------|----------------------------------------------|----------------------------------------------------------------|
| Propane<br>74-98-6 | TWA: 1000 ppm | TWA: 1000 ppm<br>TWA: 1800 mg/m <sup>3</sup> | IDLH: 2100 ppm<br>TWA: 1000 ppm<br>TWA: 1800 mg/m <sup>3</sup> |

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits Immediately Dangerous to Life or Health

### Appropriate engineering controls

**Engineering Measures** Showers  
Eyewash stations  
Ventilation systems

### Individual protection measures, such as personal protective equipment

**Eye/face protection** No special protective equipment required.

**Skin and body protection** No special protective equipment required.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Physical and Chemical Properties

|                                      |                          |                       |                          |
|--------------------------------------|--------------------------|-----------------------|--------------------------|
| <b>Physical state</b>                | Gas                      | <b>Odor</b>           | Unpleasant               |
| <b>Appearance</b>                    | Colorless                | <b>Odor Threshold</b> | No information available |
| <b>Color</b>                         | No information available |                       |                          |
| <b>Property</b>                      | <b>Values</b>            | <b>Remarks</b>        | <b>Method</b>            |
| <b>pH</b>                            | UNKNOWN                  | None known            |                          |
| <b>Melting / freezing point</b>      | No data available        | None known            |                          |
| <b>Boiling point / boiling range</b> | -42 °C / -44 °F          | None known            |                          |

|                                        |                   |            |
|----------------------------------------|-------------------|------------|
| Flash Point                            | -104 C / -155 F   | None known |
| Evaporation Rate                       | No data available | None known |
| Flammability (solid, gas)              | No data available | None known |
| Flammability Limit in Air              |                   |            |
| Upper flammability limit               | No data available |            |
| Lower flammability limit               | No data available |            |
| Vapor pressure                         | No data available | None known |
| Vapor density                          | No data available | None known |
| Specific Gravity                       | 1                 | None known |
| Water Solubility                       | Slightly soluble  | None known |
| Solubility in other solvents           | No data available | None known |
| Partition coefficient: n-octanol/water | No data available | None known |
| Autoignition temperature               | No data available | None known |
| Decomposition temperature              | No data available | None known |
| Kinematic viscosity                    | No data available | None known |
| Dynamic viscosity                      | No data available | None known |
| Explosive properties                   | No data available |            |
| Oxidizing properties                   | No data available |            |

**Other Information**

|                            |                   |
|----------------------------|-------------------|
| Softening Point            | No data available |
| VOC Content (%)            | No data available |
| Particle Size              | No data available |
| Particle Size Distribution |                   |

## 10. STABILITY AND REACTIVITY

**Reactivity**

No data available.

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Conditions to avoid**

Excessive heat.

**Incompatible materials**

None known based on information supplied.

**Hazardous Decomposition Products**

None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

|                            |                                                                   |
|----------------------------|-------------------------------------------------------------------|
| <b>Product Information</b> | Specific test data for the substance or mixture is not available. |
| <b>Inhalation</b>          | Specific test data for the substance or mixture is not available. |
| <b>Eye contact</b>         | Specific test data for the substance or mixture is not available. |
| <b>Skin contact</b>        | Specific test data for the substance or mixture is not available. |
| <b>Ingestion</b>           | Specific test data for the substance or mixture is not available. |

**Component Information**

| Chemical Name      | Oral LD50 | Dermal LD50 | Inhalation LC50        |
|--------------------|-----------|-------------|------------------------|
| Propane<br>74-98-6 | -         | -           | = 658 mg/L ( Rat ) 4 h |

**Information on toxicological effects**

**Symptoms** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization** No information available.

**Mutagenic Effects** No information available.

**Carcinogenicity** Contains no ingredient listed as a carcinogen.

**Reproductive toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Target Organ Effects** Central Nervous System (CNS).

**Aspiration Hazard** No information available.

**Numerical measures of toxicity Product Information**

The following values are calculated based on chapter 3.1 of the GHS document

Not applicable

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

The environmental impact of this product has not been fully investigated.

**Persistence and Degradability**

No information available.

**Bioaccumulation**

| Chemical Name      | Log Pow |
|--------------------|---------|
| Propane<br>74-98-6 | 2.3     |

**Other adverse effects**

No information available.

### 13. DISPOSAL CONSIDERATIONS

#### Waste treatment methods

|                               |                                                                                                 |
|-------------------------------|-------------------------------------------------------------------------------------------------|
| <b>Disposal methods</b>       | This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261). |
| <b>Contaminated Packaging</b> | Dispose of contents/containers in accordance with local regulations.                            |
| <b>US EPA Waste Number</b>    | D001                                                                                            |

**California Hazardous Waste Codes** 213

### 14. TRANSPORT INFORMATION

#### DOT

|                                        |                                         |
|----------------------------------------|-----------------------------------------|
| <b>UN-No.</b>                          | UN1075                                  |
| <b>Proper Shipping Name</b>            | PETROLEUM GASES, LIQUEFIED              |
| <b>Hazard Class</b>                    | 2.1                                     |
| <b>Description</b>                     | UN1075, PETROLEUM GASES, LIQUEFIED, 2.1 |
| <b>Emergency Response Guide Number</b> | 115                                     |

#### TDG

|                             |                      |
|-----------------------------|----------------------|
| <b>UN-No.</b>               | UN1978               |
| <b>Proper Shipping Name</b> | PROPANE              |
| <b>Hazard Class</b>         | 2.1                  |
| <b>Description</b>          | UN1978, PROPANE, 2.1 |

#### MEX

|                             |                     |
|-----------------------------|---------------------|
| <b>UN-No.</b>               | UN1978              |
| <b>Proper Shipping Name</b> | PROPANE             |
| <b>Hazard Class</b>         | 2.1                 |
| <b>Description</b>          | UN1978 PROPANE, 2.1 |

#### ICAO

|                             |                      |
|-----------------------------|----------------------|
| <b>UN-No.</b>               | UN1978               |
| <b>Proper Shipping Name</b> | PROPANE              |
| <b>Hazard Class</b>         | 2.1                  |
| <b>Description</b>          | UN1978, PROPANE, 2.1 |

#### IATA

|                             |                      |
|-----------------------------|----------------------|
| <b>UN-No.</b>               | UN1978               |
| <b>Proper Shipping Name</b> | PROPANE              |
| <b>Hazard Class</b>         | 2.1                  |
| <b>Description</b>          | UN1978, PROPANE, 2.1 |

#### IMDG/IMO

|                             |                                |
|-----------------------------|--------------------------------|
| <b>UN-No.</b>               | UN1978                         |
| <b>Proper Shipping Name</b> | PROPANE                        |
| <b>Hazard Class</b>         | 2.1                            |
| <b>EmS-No.</b>              | F-D, S-U                       |
| <b>Description</b>          | UN1978, PROPANE, 2.1, FP -104C |



**RID**

|                      |                                |
|----------------------|--------------------------------|
| UN-No.               | UN1978                         |
| Proper Shipping Name | PROPANE                        |
| Hazard Class         | 2.1                            |
| Classification code  | 2F                             |
| Description          | UN1978 PROPANE, 2.1(2.1 (+13)) |
| ADR/RID-Labels       | 2.1 (+13)                      |

**ADR**

|                      |                     |
|----------------------|---------------------|
| UN-No.               | UN1978              |
| Proper Shipping Name | PROPANE             |
| Hazard Class         | 2.1                 |
| Classification code  | 2F                  |
| Description          | UN1978 PROPANE, 2.1 |

**ADN**

|                      |                     |
|----------------------|---------------------|
| UN-No.               | UN1978              |
| Proper Shipping Name | PROPANE             |
| Hazard Class         | 2.1                 |
| Classification code  | 2F                  |
| Special Provisions   | 657, 660            |
| Description          | UN1978 PROPANE, 2.1 |
| Hazard Labels        | 2.1                 |
| Limited Quantity     | 0                   |
| Ventilation          | VE01                |

|                                   |
|-----------------------------------|
| <b>15. REGULATORY INFORMATION</b> |
|-----------------------------------|

**International Inventories**

|      |                                                      |
|------|------------------------------------------------------|
| TSCA | Complies                                             |
| DSL  | All components are listed either on the DSL or NDSL. |

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

**US Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

|                                   |     |
|-----------------------------------|-----|
| Acute Health Hazard               | No  |
| Chronic Health Hazard             | No  |
| Fire Hazard                       | Yes |
| Sudden release of pressure hazard | Yes |
| Reactive Hazard                   | No  |

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**US State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

| Chemical Name      | New Jersey | Massachusetts | Pennsylvania | Rhode Island | Illinois |
|--------------------|------------|---------------|--------------|--------------|----------|
| Propane<br>74-98-6 | X          | X             | X            |              |          |

**International Regulations****Canada****WHMIS Hazard Class**

Not determined

**16. OTHER INFORMATION**

|      |                  |                |                   |                                 |
|------|------------------|----------------|-------------------|---------------------------------|
| NFPA | Health Hazards 1 | Flammability 4 | Instability 0     | Physical and Chemical Hazards - |
| HMIS | Health Hazards 1 | Flammability 4 | Physical Hazard 0 | Personal Protection X           |

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**Disclaimer**

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**End of Safety Data Sheet**