



SAFETY DATA SHEET

1. Identification

Product Name: Propane

Product Code:

SDS Date: 3/1/2019

Use:

Address: BVV
1251 Frontenac Rd. Ste 150
Naperville IL 60563

Phone: (331) 281-0154

CHEMTEL: (800) 255-3924

2. Hazard(s) Identification

Hazard Classification

Flammable (Category 1) Gases Under Pressure

Pictogram**Signal Word**

Danger

Hazard Statement

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

Precautionary**Prevention:**

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

Response:

Eliminate all ignition sources if safe to do so.

Leaking gas fire: Do not extinguish, unless leak can be stopped safely.

Storage:

Protect from sunlight.

Store in well-ventilated place.

3. Composition/Information On Ingredients

Name	CAS #	Chemical Family	Trade Names
		Hydrocarbons Aliphatic, Saturated	
Propane	74-98-6		

4. First-aid Measures

If Inhaled:	If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. If breathing is difficult, oxygen should be administered by qualified personnel. Get immediate medical attention.
In Case of Skin Contact:	If frostbite or freezing occur, immediately flush with plenty of lukewarm water (105-115 F; 41-46 C). DO NOT USE HOT WATER. If warm water is not available, gently wrap affected parts in blankets. Get immediate medical attention.
In Case of Eye Contact:	Contact with liquid: Immediately flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.
If Swallowed:	If a large amount is swallowed, get medical attention.

5. Fire-fighting Measures

Extinguishing Media:	Regular dry chemical, high expansion foam Large fires: Flood with fine water spray.
Products of Combustion:	Carbon monoxide, carbon dioxide, water and toxic and irritating fumes
Advice for Firefighters	Any self-contained breathing apparatus with a full facepiece. Any self-contained breathing apparatus with a full facepiece.

6. Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures:	Keep unnecessary people away, isolate hazard area and deny entry. Ventilate closed spaces before entering. Do not touch spilled material.
Environmental Precautions:	Avoid heat, flames, sparks and other sources of ignition.
Methods and Materials for Containment and Clean Up:	Stop leak if possible without personal risk. Reduce vapors with water spray. Remove sources of ignition.

7. Handling and Storage

Safe Handling:	Store and handle in accordance with all current regulations and standards. Grounding and bonding required. Subject to storage regulations: U.S. OSHA 29 CFR 1910.101.
Safe Storage:	Keep separated from incompatible substances.

8. Exposure Controls/Personal Protection

	Handle only in fully enclosed systems.
Eye/Face Protection:	For the gas: Eye protection not required, but recommended. For the liquid: Wear splash resistant safety goggles. Contact lenses should not be worn. Provide an emergency eye wash fountain and

quick drench shower in the immediate work area.

Skin Protection:

For the gas: Protective clothing is not required. For the liquid: Wear appropriate protective, cold insulating clothing.

Respiratory Protection:

Any self-contained breathing apparatus with a full facepiece.

9. Physical and Chemical Properties

Appearance:	PROPANE	Clear
Odor:	PROPANE	Gasoline odor
Odor Threshold:	PROPANE	5000-20000 ppm
pH:	PROPANE	Not applicable
Melting/Freezing Point:	PROPANE	-310 F (-190 C)
Initial Boiling Point/Range:	PROPANE	-40 F (-40 C)
Flash Point:	PROPANE	-157 F (-105 C)
Evaporation Rate:	PROPANE	Not applicable
Flammability:	PROPANE	Not available
Upper Explosion Limit:	PROPANE	0.095
Lower Explosion Limit:	PROPANE	0.021
Vapor Pressure:	PROPANE	6398 mmHg @ 21.1 C
Vapor Density:	PROPANE	1.55 (Air=1)
Relative Density:	PROPANE	0.116
Water Solubility:	PROPANE	Very slightly soluble
Partition Coefficient:	PROPANE	Not available
Auto Ignition Temp:	PROPANE	842 F (450 C)
Viscosity:	PROPANE	Not available

10. Stability and Reactivity

Chemical Stability:	Stable at normal temperatures and pressure.
Possibility of Hazardous Reactions:	Will not polymerize.
Conditions to Avoid:	Stable at normal temperatures and pressure.
Incompatible Materials:	Oxidizing materials, combustible materials, halogen compounds,
Hazardous Decomposition Products:	Oxides of carbon

11. Toxicological Information

Name:
PROPANE
Oral LD50

CAS:

LC50 Inhalation Gas. Rat >800000 ppm 15 minutes

Dermal LD50	Not available
Skin Corrosion/Irritation:	Liquid: blisters, frostbite
Serious Eye Damage/Eye Irritation:	Liquid: frostbite, blurred vision
Respiratory or Skin Sensitization:	Nausea, vomiting, irregular heartbeat, headache, symptoms of drunkenness, disorientation, suffocation, convulsions, coma. Central nervous system depression, difficulty breathing.
Germ Cell Mutagenicity:	Not available
Carcinogenicity:	Not available
Reproductive:	Not available
Additional Information:	

12. Ecological Information

Name	CAS	Toxicity
PROPANE		Fish toxicity: Not available
		Invertebrate toxicity: Not available
		Algal toxicity: Not available
		Phyto toxicity: Not available
		Other toxicity: Not available

13. Disposal Considerations

Dispose in accordance with all applicable regulations. Subject to disposal regulations: U.S. EPA 40 CFR 262.
Hazardous Waste Number(s): D001.

14. Transportation Information

Proper Shipping Name:	Propane
Hazard Class	2.1
Identification Number:	UN1978
Packing Group:	Not applicable
Label	2.1
Ship:	UN1978 PROPANE CLASS 2.1 PG II

15. Regulatory Information

Name	CAS
PROPANE	
SARA 302/304	Not regulated.
SARA 313	Not regulated.
CERCLA	Not regulated.
SARA 311/312	Not regulated.
PROP 65	Not regulated.

16. Other Information, Including Date of Preparation or Last Revision

SDS Date:

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