

Section 1: Product and Company Identification

Absolute Accuracy
4591 S Wayside Dr
Houston, TX 77087
(832) 571-2387

Product Code: Methane

Section 2: Hazards Identification



Danger

Hazard Classification:

Flammable (Category 1)
Gases Under Pressure

Hazard Statements:

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

Precautionary Statements

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.

Section 3: Composition/Information on Ingredients

CAS #

74-82-8

Chemical Substance

METHANE, COMPRESSED GAS

Section 4: First Aid Measures

Skin Contact

Wash exposed skin with soap and water.

Section 5: Fire Fighting Measures

Suitable Extinguishing Media

Carbon dioxide, regular dry chemical Large fires: Use regular foam or flood with fine water spray.

Section 6: Accidental Release Measures

Personal Precautions

Keep unnecessary people away, isolate hazard area and deny entry. Ventilate closed spaces before entering.

Methods for Cleanup

Not available

Section 7: Handling and Storage

Handling

Store and handle in accordance with all current regulations and standards. Grounding and bonding required. Subject to storage regulations: U.S.

Section 8: Exposure Controls/Personal Protection

Exposure Guidelines

METHANE, COMPRESSED GAS: ALIPHATIC HYDROCARBON GASES ALKANE (C1-C4): 1000 ppm ACGIH TWA METHANE: No occupational exposure limit

Engineering Controls

Handle only in fully enclosed systems.

Eye Protection

Eye protection not required, but recommended.

General Hygiene considerations

- Avoid breathing vapor or mist
- Avoid contact with eyes and skin
- Wash thoroughly after handling and before eating or drinking

Section 9: Physical and Chemical Properties

Physical State	Appearance
Gas	Colorless

Flash Point	Flammability
-369 F (-223 C)	Not available

Boiling Point	Freezing Point	Vapor Pressure	Vapor Density	Specific Gravity	Water Solubility	pH	Odor Threshold	Evaporation Rate	Viscosity
-260 F (-162 C)	-297 F (-183 C)	760 mmHg @ -161 C	0.555 (Air=1)	Not applicable	3.5% @ 17 C	Not applicable	Not available	Not applicable	0.01118 cP @ 27 C

Molecular Weight	Molecular Formula
16.04	C-H4

Section 10: Stability and Reactivity

Stability
Stable at normal temperatures and pressure.

Hazardous Decomposition Products
Oxides of carbon

Section 11: Toxicology Information

Acute Effects

Oral LD50
Not available

Eye Irritation
No information on significant adverse effects

Chronic Effects

Carcinogenicity
Not available

Section 12: Ecological Information

Fate and Transport

Eco toxicity
Fish toxicity: Not available Invertebrate toxicity: Not available Algal toxicity: Not available Phyto toxicity: Not available Other toxicity: Not available

Section 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.

Section 14: Transportation Information

U.S. DOT 49 CFR 172.101

Proper Shipping Name	ID Number
Methane, compressed	UN1971

Canadian Transportation of Dangerous Goods

Shipping Name
Methane, compressed

Section 15: Regulatory Information

U.S. Regulations

CERCLA Sections
Not regulated.

SARA 370.21

Acute
Yes

SARA 372.65

Not regulated.

OSHA Process Safety

Not regulated.

State Regulations

CA Proposition 65
Not regulated.

Canadian Regulations

WHMIS Classification
A, B1

National Inventory Status

US Inventory (TSCA)
Listed on inventory.

Section 16: Other Information

NFPA Rating
HEALTH=0 FIRE=4 REACTIVITY=0

0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard, 3 = severe hazard, 4 = extreme hazard