

# MATERIAL SAFETY DATA SHEET

IDENTITY (As Used on Label and List)

Natural Gas

## SECTION I

Name

Consumers Power Company

Address (Number, Street, City, State and ZIP Code)

212 West Michigan Avenue

Jackson MI 49201

Telephone Number for Information

(517) 788-0679

Revised September 15, 1986, General Safety and Health Dept

## SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

*Hazardous Components (Specific Chemical Identity; Common Name(s))	Other Limits		
	**OSHA PEL	**ACGIH TLV	Recommended % (optional)
Methane	NA	NA	
Ethane	NA	NA	
Propane	1,000 ppm	NA	
Butanes	NA	800 ppm	
Nitrogen	NA	NA	
Carbon Dioxide	5,000 ppm	5,000 ppm	

\*Composition varies depending on the source of the gas. Methane is the principal component. To provide distinct odor, odorant is added consisting of a blend of mercaptans and organic sulfides.

\*\*No OSHA PEL or ACGIH TLV has been established for this mixture; values listed are for individual components.

## SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point

(Methane)

-162°C

Specific Gravity (air = 1)

0.55-0.70

Vapor Pressure (mm Hg)

NA

Melting Point

(Methane)

-182°C

Vapor Density (air = 1)

(Methane)

0.6

Evaporation Rate

(Butyl Acetate = 1)

NA

Solubility in Water

Slight

Appearance and Odor

Colorless, with odorant added to give distinct odor.

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point

Less than -162°C

Ignition Temp

632°C (methane)

Flammable Limits

LEL

4%

UEL

15%

Extinguishing Media

Dry chemical preferred for large fires. Carbon dioxide effective for small fires.

Special Fire Fighting Procedures

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.

Unusual Fire and Explosion Hazards

Vapors may reach an ignition source and flashback. A fire and explosion hazard may exist when mixed with air.