

GAS CO OF NEW MEXICO -- NATURAL GAS -- 6830-01-318-5797

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Product Identification  
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Product ID:NATURAL GAS  
MSDS Date:06/09/1986  
FSC:6830  
NIIN:01-318-5797  
MSDS Number: BSDBR  
=== Responsible Party ===  
Company Name:GAS CO OF NEW MEXICO  
Address:1108 CUBA AVE  
Box:L  
City:ALAMOGORDO  
State:NM  
ZIP:88310  
Country:US  
Info Phone Num:505-888-8364  
Emergency Phone Num:505-888-8364  
Preparer's Name:RICH GUFF  
EY  
CAGE:0CEX1  
=== Contractor Identification ===  
Company Name:GAS CO OF NEW MEXICO  
Address:1108 CUBA AVE  
Box:City:ALAMOGORDO  
State:NM  
ZIP:88310  
Country:US  
Phone:505-888-8364  
CAGE:0CEX1

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Composition/Information on Ingredients  
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Ingred Name:METHANE  
CAS:74-82-8  
RTECS #:PA1490000  
Fraction by Wt: 94.1%  
Other REC Limits:NONE RECOMMENDED  
ACGIH TLV:ASPHYXIAN; 9293

Ingred Name:ETHANE  
CAS:74-84-0  
RTECS #:KH3800000  
Fraction by Wt: 3.1%  
Other REC Limits:NONE RECOMMENDED  
ACGIH T

LV:ASPHYXIAN 9293

Ingred Name:N-BUTANE

CAS:106-97-8

RTECS #:EJ4200000

Fraction by Wt: 0.2%

Other REC Limits:NONE RECOMMENDED

Ingred Name:PROPANE

CAS:74-98-6

RTECS #:TX2275000

Fraction by Wt: 0.8%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1000 PPM

ACGIH TLV:ASPHYXIAN; 9293

Ingred Name:ALKYL MERCAPTANS

Fraction by Wt: 0.01%

Other REC Limits:NONE RECOMMENDED

Ingred Name:ISO-BUTANE

CAS:75-28-5

RTECS #:TZ4300000

Fraction by Wt: 0.2%

Other REC Limits:NONE RECOMMENDED

Ingred Name:ISOPENTANE

CAS

:78-78-4

RTECS #:EK4430000

Fraction by Wt: 0.1%

Other REC Limits:NONE RECOMMENDED

Ingred Name:N-PENTANE (PENTANE)

CAS:109-66-0

RTECS #:RZ9450000

Fraction by Wt: 0.1%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:120 PPM

Ingred Name:CARBON DIOXIDE

CAS:124-38-9

RTECS #:FF6400000

Fraction by Wt: 3%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:10000PPM/30000STEL

ACGIH TLV:5000PPM/30000STEL;93

Ingred Name:NITROGEN

CAS:7727-37-9

RTECS #:QW9700000

Fraction by Wt: 2%

Other REC Limits:NONE RECOMMENDED

ACGI

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===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: INHALATION IS THE MAJOR AND  
POSSIBLY ONLY ROUTE OF ENTRY INTO THE BODY. IT IS CONSIDERED A  
SIMPLE ASPHYXIAN. SKIN CONTACT WITH LIQUID MAY CAUSE FREEZE  
BURNS. CHRONIC: NONE SPECIFIED BY MANUFACTURER.  
Explanation of Carcinogenicity:NO INGREDIENT  
OF A CONCENTRATION OF 0.1%  
OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.  
Effects of Overexposure:DIZZINESS, CYANOSIS, DIMINISHED MENTAL  
CAPACITY, COLLAPSE, LOSS OF CONSCIOUSNESS, AND/OR DEATH. CONTACT  
WITH LIQUID CAN PRODUCE FREEZE BURNS.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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===== First Aid Measures =====

First Aid:INHALATION: REMOVE TO FRESH AIR. QUICKLY RESTORE AND/OR  
SUPPORT BREATHING AS REQUIRED;  
GIVE ARTIFICIAL RESPIRATION IMMEDIATELY. ADMINISTER OXYGEN IF AVAILABLE.  
SKIN: WARM INJURED AREA; TREAT AS FROSTBITE. GET IMMEDIATE MEDICAL ATTENTION.

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===== Fire Fighting Measures =====

Flash Point:-306F,-188C  
Lower Limits:3.6%  
Upper Limits:17%  
Extinguishing Media:CARBON DIOXIDE OR DRY CHEMICAL. STOP FLOW OF GAS  
BEFORE EXTINGUISHING.  
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND  
FULL PROTECTIVE GEAR. USE WATER SPRAY TO COOL FIRE EXPOSED  
CONTAINERS AND SURROUNDINGS.  
Unusual Fire/Explosion Hazard:EXTREMELY FLAMMABLE AND READILY FORMS  
EXPLOSIVE MIXTURES WITH AIR. IN PRESENCE OF CATALYST OR SOURCES OF  
IGNITION, VIOLENT OR EXPLOSIVE REACTIONS W/OXIDIZERS.

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===== Accidental Release Measures =====

Spill Release Procedures:NOTIFY SAFETY PERSONNEL; EVACUATE AREA.  
VENTILATE AREA. ELIMINATE ALL SOURCES OF IGNITION. SHUT OFF LEAK.  
TEST ATMOSPHERE PRIOR TO ENTRY. CHECK

FOR LEAKS USING SOAPY WATER.

WEAR PROPER RESPIRATORY PROTECTION.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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Handling and Storage  
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Handling and Storage Precautions:GROUND ALL LINES AND EQUIPMENT USED AROUND OR ON NATURAL GAS TO PREVENT SPARKS. USE NON-SPARKING TOOLS. NO SMOKING.

Other Precautions:19% OXYGEN CONTENT REQUIRED FOR OPERATIONS WITHOUT SCBA; USE OF SCBA REQUIRED IF BELOW 19% OXYGEN CONTENT.

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Exposure Controls/Personal Protection  
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Respiratory Protection:USE USE NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS IF OXYGEN CONTENT BELOW 19%. USE IN ACCORDANCE WITH 29 CFR 1910.134.

Ventilation:PROVIDE ADEQUATE DILUTION VENTILATION TO PREVENT AIR CONCENTRATIONS FROM REACHING 25% OF LEL OR THE TLV.

Protective Gloves:RUBBER, NEOPRENE

Eye Protection:FACE SHIELD

Other Protective Equipment:OVERALLS OR SIMILAR CLOTHES TO PREVENT CONTACT OF LIQUID WITH SKIN.

Work Hygiene Practices:

NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

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Physical/Chemical Properties  
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HCC:G2

Boiling Pt:B.P. Text:-184F,-120C

Melt/Freeze Pt:M.P/F.P Text:-182F,-119C

Vapor Density:0.6(AIR=1)

Spec Gravity:0.55 (AIR=1)

Appearance and Odor:COLORLESS, ODORLESS GAS UNLESS MERCAPTAN ADDED; THEN SMELLS OF ROTTEN CABBAGE

Percent Volatiles by Volume:98.9

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Stability and Reactivity Data  
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Stability Index

icator/Materials to Avoid: YES  
OXIDIZERS, AIR, HALOGENS

Stability Condition to Avoid: EXPOSURE TO HEAT, FLAME, OXIDIZERS,  
HALOGENS AND AIR.

Hazardous Decomposition Products: BROMINE PENTAFLUORIDE, CHLORINE,  
CHLORINE DIOXIDE, NITROGEN TRIFLUORIDE, OXYGEN DIFLUORIDE, LIQUID  
OXYGEN.

===== Disposal Considerations =====

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND  
FEDERAL REGULATIONS.

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