

NATURAL GAS

MSDS Number

BSDBS

National Stock Number

6830-01-318-5797

Product Name

NATURAL GAS

Manufacturer

HUDSON BAY NATURAL GAS

Product Identification

Product ID:NATURAL GAS

MSDS Date:06/22/1992

FSC:6830

NIIN:01-318-5797

MSDS Number: BSDBS

Responsible Party

HUDSON BAY NATURAL GAS

11251 L. HOOD ST

OAKLAND , CA 94605

US

Emergency Phone: 510-430-8048

Info Phone: 510-430-8048

Preparer: UNREADABLE

Cage: 0RN77

Contractor

HUDSON BAY NATURAL GAS

OAKLAND, CA 94605

US

510-430-8048

Cage: 0RN77

Ingredients

METHANE

CAS: 74-82-8

RTECS: PA1490000

Fraction By Weight: 70-99%

ACGIH TLV: ASPHYXIAN; 9293

ETHANE

CAS: 74-84-0

RTECS: KH3800000

Fraction By Weight: 1-12%

ACGIH TLV: ASPHYXIAN 9293

PROPANE

CAS: 74-98-6

RTECS: TX2275000

Fraction By Weight:

OSHA PEL1000 PPM

ACGIH TLV: ASPHYXIAN; 9293

BUTANE

CAS: 106-97-8

RTECS: EJ4200000

Fraction By Weight:

OSHA PEL800 PPM

ACGIH TLV: 800 PPM; 9293

PENTANE

CAS: 109-66-0

RTECS: RZ9450000

Fraction By Weight:

OSHA PEL600 PPM/750 STEL

ACGIH TLV: 600 PPM/750STEL;9293

HEXANE (N-HEXANE)

CAS: 110-54-3

RTECS: MN9275000

Fraction By Weight:

OSHA PEL50 PPM

ACGIH TLV: 50 PPM; 9293

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

HYDROGEN

CAS: 1333-74-0

RTECS: MW8900000

Fraction By Weight:

HYDROGEN SULFIDE (SARA III)

CAS: 7783-06-4

RTECS: MX1225000

Fraction By Weight:

OSHA PEL10 PPM/21 STEL

ACGIH TLV: 10 PPM/15 STEL; 9293

EPA Report Quantity: 100 LBS

DOT Report Quantity: 100 LBS

CARBON DIOXIDE

CAS: 124-38-9

RTECS: FF6400000

Fraction By Weight:

OSHA PEL10000PPM/30000STEL

ACGIH TLV: 5000PPM/30000STEL;93

Hazards

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 IN ATMOSPHERES WITH LARGE CONCENTRATION MAY CAUSE ASPHYXIATION DUE TO OXYGEN DISPLACEMENT; CENTRAL NERVOUS SYSTEM DEPRESSION. SKIN AND EYE CONTACT MAY CAUSE IRRITATION. CHRONIC: NONE SPECIFIED BY MANUFACTURER.

Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1% OR GREATER IS LISTED AS A CARCINOGEN OR SUPECTED CARCINOGEN.

Effects of Overexposure:INHALED: NAUSEA, VOMITING, DIZZINESS, DROWSINESS, STUPOR, UNCONSCIOUSNESS. SKIN/EYE: REDNESSS, DISCOMFORT.

Medical Cond Aggravated by Exposure:PULMONARY CONDITIONS. AVOID ATMOSPHERE WHERE OXYGEN LEVEL HAS BEEN DISPLACED WITH METHANE TO BELOW 19.5%.

First Aid

First Aid:REMOVE VICTIM TO FRESH AIR. QUICKLY RESTORE AND/OR SUPPORT BREATING AS REQUIRED. HAVE TRAINED PERSON ADMINISTER OXYGEN IF AVAILABLE. ARTIFICIAL RESPIRATION SHOULD BE USED IMMEDIATELY IF BREATHING STOP PED. GET IMMEDIATE MEDICAL ATTENTION.

Fire Fighting

Autoignition Temp:Autoignition Temp Text:>1000F

Lower Limits:4.0

Upper Limits:14.0

Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, OR HALON. STOP FLOW OF GAS PRIOR TO EXTINGUISHING.

Fire Fighting Procedures:WEAR SCBA AND FULL PROTECTIVE GEAR. DO NOT EXTINGUISH FLAMES WHILE GAS FLOWING-EXPLOSIVE REIGNITION MAY OCCUR.

Unusual Fire/Explosion Hazard:PRODUCT IS EXTREMELY FLAMMABLE.

Accidental Release

Spill Release Procedures:EVACUATE AREA. ELIMINATE ALL SOURCES OF IGNITION. STOP LEAK IF POSSIBLE. PREPARE FOR POSSSIBLE IGNITION. ENSURE VENTILATION OF ENCLOSED AREAS.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling

Handling and Storage Precautions:NATURAL GAS IS CONTAINED IN PIPING AND EQUIPMENT DESIGNED TO WITHSTAND ELEVATED PRESSURES. USE EXPLOSION-PROOF, CLASS I GROUP D ELECTRICAL EQUIPMENT.

Other Precautions:KEEP AWAY FROM STRONG OXIDIZING AGENTS, HEAT AND SOURCES OF IGNITION. NO SMOKING IN AREAS OF USE.

Exposure Controls

Respiratory Protection:IN IMMEDIATELY DANGEROUS TO LIFE OR HEALTH (IDLH) ATMOSPHERES, IN ENCLOSED AREAS, OR IMMEDIATELY ADJACENT TO BLOWING NATURAL GAS; SELF-CONTAINED BREATHING APPARATUS OR SUPPLIED AIR WITH ESCAPE BOTTLE IS REQUIRED. USE IAW 29 CFR 1910.134.

Ventilation:USE ADEQUATE MECHANICAL EXPLOSION-PROOF VENTILATION IF IN ENCLOSED AREA.

Protective Gloves:NONE SPECIFIED BY MANUFACTURER.

Eye Protection:NONE SPECIFIED BY MANUFACTURER.

Other Protective Equipment:WEAR FLAME RESISTENT FLASH SUITS IN POTENTIALLY FLAMMABLE ATMOSHERES OR CONFINED SPACES.
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.
Supplemental Safety and Health
USE OXYGEN MONITORS TO ENSURE ADEQUATE OXYGEN LEVELS AND COMBUSTIBLE GAS INDICATORS TO CHECK FOR EXPLOSIVE ATMOSPHERE.

Chemical Properties

HCC:G2
Boiling Pt:B.P. Text:-259F,-162C
Vapor Pres:GAS
Vapor Density:Evaporation Rate & Reference:N/K (N-BUTYL ACETATE=1)
Solubility in Water:NEGLIGIBLE
Appearance and Odor:COLORLESS, ODORLESS, TASTELESS,LIGHTER THAN AIR GAS

Stability

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS
Stability Condition to Avoid:AVOID CONTACT WITH FLAMES, HEAT.
Hazardous Decomposition Products:CARBON MONOXIDE, SULFUR DIOXIDE, NITROGEN OXIDES, CARBON DIOXIDE.

Disposal

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

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