

CASCADE NATURAL GAS -- NATURAL GAS
MATERIAL SAFETY DATA SHEET
NSN: 683000N049154
Manufacturer's CAGE: 3F378
Part No. Indicator: A
Part Number/Trade Name: NATURAL GAS

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General Information
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Company's Name: CASCADE NATURAL GAS CORP
Company's Street: 222 FAIRVIEW AVE N
Company's City: SEATTLE
Company's State: WA
Company's Country: US
Company's Zip Code: 98109
Company's Emerg Ph #: 800-552-0615
Company's Info Ph #: 800-552-0615
Record No. For Safety Entry: 001
Tot Safety Entries This Stk#: 001
Status: SMJ
Date MSDS Prepared: 01JAN88
Safety Data Review Date: 04MAR94
MSDS Serial Number: BVCPN
Hazard Characteristic Code: NK

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Ingredients/Identity Information
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Proprietary: NO
Ingredient: METHANE
Ingredient Sequence Number: 01
NIOSH (RTECS) Number: PA1490000
CAS Number: 74-82-8
OSHA PEL: N/K (FP N)
ACGIH TLV: SIMPLE ASPHYXIAN

Proprietary: NO
Ingredient: ETHANE
Ingredient Sequence Number: 02
NIOSH (RTECS) Number: KH3800000
CAS Number: 74-84-0
OSHA PEL: N/K (FP N)
ACGIH TLV: SIMPLE ASPHYXIAN

Proprietary: NO
Ingredient: PROPANE
Ingredient Sequence Number: 03
NIOSH (RTECS) Number: TX2275000
CAS Number: 74-98-6
OSHA PEL: 1000 PPM
ACGIH TLV: SIMPLE ASPHYXIAN

Proprietary: NO
Ingredient: MERCAPTAN (FOR ODOR)
Ingredient Sequence Number: 04
Percent: TRACE
NIOSH (RTECS) Number: 1009693MC
OSHA PEL: N/K (FP N)

ACGIH TLV: N/K (FP N)

Physical/Chemical Characteristics

Appearance And Odor: ROTTEN EGG-DUE TO ADDING MERCAPTAN
Boiling Point: -259F,-162C
Vapor Pressure (MM Hg/70 F): N/A
Vapor Density (Air=1): 0.6
Specific Gravity: N/A
Evaporation Rate And Ref: NOT APPLICABLE
Solubility In Water: NEGLIGIBLE
Percent Volatiles By Volume: N/A

Fire and Explosion Hazard Data

Flash Point: 1200F,649C
Lower Explosive Limit: 4%
Upper Explosive Limit: 14%
Extinguishing Media: DRY CHEMICAL, CO*2/WATER FOG.
Special Fire Fighting Proc: WEAR NIOSH/MSHA APPROVED SCBA AND FULL
PROTECTIVE EQUIPMENT (FP N). RE-IGNIT HAZARD IF FLAME IS EXTINGUISHED
WITHOUT FLOW OF GAS.
Unusual Fire And Expl Hazrds: NONE.

Reactivity Data

Stability: YES
Cond To Avoid (Stability): AVOID STRONG OXIDIZING MATERIALS.
Materials To Avoid: UNINTENTIONAL IGNITION SOURCES-CHLORINE DIOXIDE.
Hazardous Decomp Products: NOT APPLICABLE
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): NOT RELEVANT

Health Hazard Data

LD50-LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.
Route Of Entry - Inhalation: YES
Route Of Entry - Skin: NO
Route Of Entry - Ingestion: NO
Health Haz Acute And Chronic: NATURAL GAS IS NON-TOXIC; MAY ACT AS A
SIMPLE ASPHYXIANANT BY DISPLACING REQUIRED AIR.
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: NO
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: NOT RELEVANT
Signs/Symptoms Of Overexp: SEE HEALTH HAZARDS.
Med Cond Aggravated By Exp: NONE SPECIFIED BY MANUFACTURER.
Emergency/First Aid Proc: INHAL: REMOVE TO FRESH AIR-IF NECESSARY
RESUSCITATE AND CALL MEDICAL AID. INGEST: CALL MD IMMED (FP N). SKIN: FLUSH
WITH COPIOUS AMOUNTS OF WATER. CALL MD (FP N). EYE: IMMED FLUSH WITH
POTABLE WATER FOR A MINIMUM OF 15 MIN, SEEK ASSISTANCE FROM MD (FP N).

Precautions for Safe Handling and Use

Steps If Matl Released/Spill: EVACUATE AREA, VENTILATE TO DISSIPATE, SHUT
OFF SUPPLY AND REMOVE OR ELIMINATE IGNITION SOURCES.
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Method: WILL DISSIPATE TO ATMOSPHERE. DISPOSE OF I/A/W
FEDERAL, STATE AND LOCAL REGULATIONS (FP N).
Precautions-Handling/Storing: KEEP AWAY FROM UNINTENTIONAL IGNITION
SOURCES.
Other Precautions: NONE.

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Control Measures
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Respiratory Protection: NIOSH/MSHA APPROVED FRESH AIR SUPPLY.
Ventilation: MECHANICAL (GENERAL).
Protective Gloves: IMPERVIOUS GLOVES (FP N).
Eye Protection: GOGGLES.
Other Protective Equipment: NONE ESTABLISHED.
Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.
Suppl. Safety & Health Data: NONE SPECIFIED BY MANUFACTURER.

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Transportation Data
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Disposal Data
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Label Data
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Label Required: YES
Technical Review Date: 02MAR94
Label Date: 02MAR94
Label Status: G
Common Name: NATURAL GAS
Chronic Hazard: NO
Signal Word: CAUTION!
Acute Health Hazard-Slight: X
Contact Hazard-None: X
Fire Hazard-Slight: X
Reactivity Hazard-None: X
Special Hazard Precautions: RE-IGNITION HAZ IF FLAME IS EXTINGUISHED W/OUT
FLOW OF GAS SHUT OFF. ACUTE: NATURAL GAS IS NON-TOXIC; MAY ACT AS A SIMPLE
ASPHYXIAN BY DISPLACING REQUIRED AIR. CHRONIC: NONE SPECIFIED BY
MANUFACTURER.
Protect Eye: Y
Protect Skin: Y
Protect Respiratory: Y
Label Name: CASCADE NATURAL GAS CORP
Label Street: 222 FAIRVIEW AVE N
Label City: SEATTLE
Label State: WA
Label Zip Code: 98109
Label Country: US
Label Emergency Number: 800-552-0615