

ALDRICH CHEMICAL CO INC. -- 29547-7 METHANE -- 6830-00-182-6315
===== Product Identification =====

Product ID:29547-7 METHANE
MSDS Date:10/29/1987
FSC:6830
NIIN:00-182-6315
MSDS Number: BPYDN
=== Responsible Party ===
Company Name:ALDRICH CHEMICAL CO INC.
Address:1001 W. ST. PAUL AVE
Box:2060
City:MILWAUKEE
State:WI
ZIP:53201
Country:US
Info Phone Num:414-273-3850
Emergency Phone Num:414-273-3850
CAGE:60928
=== Contractor Identification ===
Company Name:ALDRIC
H CHEMICAL CO INC
Address:1001 WEST ST PAUL AVE
Box:355
City:MILWAUKEE
State:WI
ZIP:53233
Country:US
Phone:414-273-3850
CAGE:60928

===== Composition/Information on Ingredients =====

Ingred Name:METHANE
CAS:74-82-8
RTECS #:PA1490000
Fraction by Wt: 100%
Other REC Limits:NONE SPECIFIED
ACGIH TLV:ASPHYXIAN; 9192

===== 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- ASPHYXIATION, CNS EFFECTS. CHRONIC: UNKNOWN.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:INHALATION: DIZZINESS, HEADACHE, EXCITATION, EXCESS, SALIVATION, VOMITING, AND UNCONSCIOUSNESS.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALATION: REMOVE TO FRESH AIR, RESUSCITATE /GIVE OXYGEN IF NEEDED. GET IMMEDIATE MEDICAL ATTENTION.

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

Flash Point:-306F,-188C

Lower Limits:5 %

Upper Limits:15 %

Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL, WATER SPRAY, OR FOG.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR.

Unusual Fire/Explosion Hazard:COMPRESSED FLAMMABLE GAS. FORMS EXPLOSIVE MIXTURES WITH AIR AND OXIDIZERS. TOXIC FUMES MAY BE PRODUCED ON COMBUSTION.

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Accidental Release Measures =====

Spill Release Procedures:EVACUATE AREA. ISOLATE AND DENY ENTRY. REMOVE ALL SOURCES OF IGNITION. STOP LEAK IF CAN BE DONE AT NO RISK. WEAR PROPER RESPIRATORY PROTECTION. VENTILATE AREA. BEFORE ENTRY CHECK COMPOSITION OF ATMOSPHERE.

Neutralizing Agent:NONE

===== Handling and Storage =====

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED AREA, AWAY FROM SOURCES OF IGNITION.

Other

er Precautions:USE SPARK PROOF TOOLS. PROPERLY GROUND AND BOND CYLINDERS.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:USE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS IF TLV IS EXCEEDED OR WHEN USING IN CONFINED SPACES.

Ventilation:USE EXPLOSION-PROOF MECHANICAL VENTILATION.

Protective Gloves:WORK GLOVES

Eye Protection:SAFETY GLASSES

Other Protective Equipment:NONE NORMALLY REQUIRED.

Work Hygienic Practices:WASH HANDS BEFORE EATING, DRINKING, OR SMOKING.

DO NOT SMOKE IN WORK AREA.

Supplemental Safety and Health

THIS IS A COMPONENT GAS OF A GAS MIXTURE USED IN CALIBRATION DEVICES.

THERE ARE A TOTAL OF 6 GASES., WHICH ARE 200 PPM METHANE, 50 PPM FREON 12, 50 PPM FREON 114, 50 PPM UCON 11, 10 PPM HEXANE, BALANCE AIR.

===== Physical/Chemical Properties =====

HCC:G3

Boiling Pt:B.P. Text:-258F,-161C

Melt/Freeze Pt:M.P/F.P Text:-297F,-183C

Vapor Density:0.554 @32F

Solubility in Water:S

LIGHT

Appearance and Odor:COLORLESS, ODORLESS GAS

Percent Volatiles by Volume:100

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, CHLORINE, BROMINE PENTAFLUORIDE, YELLOW MERCURIC OXIDE, LIQUID OXYGEN, NITROGEN TRIFLUORIDE.

Stability Condition to Avoid:TEMPERATURES IN EXCESS OF 700C.

Hazardous Decomposition Products:OXIDES OF CARBON.

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

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

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