

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:ALDRICH 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: REM

OVE 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. TOXI

C FUMES MAY BE PRODUCED ON COMBUSTION.

===== 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 COMPOSITIN OF ATMOSPHERE.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:STORE IN ACOOL, DRY, WELL VENTILATED

AREA, AWAY FROM SOURCES OF IGNITION.

Other 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 NORMAL

LY 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, BALANC E 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:SLIGHT

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 PEANTAFLUORIDE, 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.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability

for its use. Any person utilizing this

document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.