

MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-74/74-82-8.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
74-82-8
Code:
M

RTECS:
PA1490000
Code:
M

Name:
METHANE

Other REC Limits:
NONE SPECIFIED

OSHA PEL:
NOT ESTABLISHED
Code:
M

OSHA STEL:

Code:

ACGIH TLV:
ASPHYXIANT; 9192
Code:
M

ACGIHSTEL:
N/P
Code:

Control Measures

Respiratory Protection:
RESPIRATORY EQUIPMENT IS NOT NEEDED UNLESS THE GAS DISPLACES THE AIR AND CAUSES A DEFICIENCY OF OXYGEN AND THE POSSIBILITY OF ASPHYXIATION.

Ventilation:
USE IN WELL VENTILATED AREAS.

Protective Gloves:
GLOVES RECOMMENDED FOR CYLINDER HANDLING

Eye Protection:
SAFETY GLASSES SHOULD BE WORN.

Other Protective Equipment:
Equipment NONE

Work Hygienic Practices:
NORMAL PRACTICES.

Supplemental Safety and Health:
THE MANUFACTURER PROVIDED A MSDS FOR ARGON AND A MSDS FOR METHANE. THEY DID NOT PROVIDE A MSDS FOR THE FINAL PRODUCT. 3

Health Hazards Data

LD50LC50Mixture:
N/K

Route Of Entry Inds - Inhalation:
YES

Skin:
NO

Ingestion:
NO

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
THIS PRODUCT CAN ACT AS A SIMPLE ASPHYXIANT BY DISPLACING AIR.

Explanation Of Carcinogenicity:
NOT APPLICABLE

Signs And Symptions Of Overexposure:
SYMPTOMS OF ASPHYXIA INCLUDE RAPID RESPIRATIONS, DIZZINESS AND FATIGUE.

Medical Cond Aggravated By Exposure:
NONE SPECIFIED BY MANUFACTURER.

First Aid:
INHALATION: MOVE VICTIM TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH-TO-MOUTH. IF BREATHING IS DIFFICULT, GIVE OXYEN. CALL A PHYSICIAN.

Spill Release Procedures:
SHUT OFF ALL IGNITION SOURCES AND VENTILATE THE AREA. FOR CONTROLLING FLOWS PERSONNEL MAY HAVE TO WEAR APPROACH TYPE PROTECTIVE SUITS AND POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS.

Neutralizing Agent:
NONE

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

Handling And Storage Precautions:
2 CYLINDERS SHOULD BE STORED AND USED IN DRY, WELL VENTILATED AREAS AWAY FROM SOURCES OF HEAT.

Other Precautions:
HAVE AN EMERGENCY PLAN COVERING STEPS TO BE TAKEN IN THE EVENT OF AN ACCIDENTAL RELEASE.

Fire and Explosion Hazard Information

Flash Point Method:
N/P

Flash Point:

Flash Point Text:
N/A

Autoignition Temp:

Autoignition Temp Text:
999F

Lower Limits:
5, METHANE

Upper Limits:
15, METHANE

Extinguishing Media:
AS APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:
THE ONLY SAFE WAY TO EXTINGUISH A METHANE FIRE IS TO S THE FLOW OF GAS. IF THE FLOW CANNOT BE SPED, LET THE FIRE BURN ITSELF OUT.

Unusual Fire/Explosion Hazard:
COOL THE CYLINDERS AND THE SURROUNDING WITH A WATER SPRAY.

Physical/Chemical Properties

HCC:
G2

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
-303F,-186C

Melt/Freeze Pt:

M.P/F.P Text:
N/K

Decomp Temp:

Decomp Text:
N/A

Vapor Pres:
N/K

Vapor Density:
1.380

Volatile Org Content %:

Spec Gravity:
21.1 M3/KG

VOC Pounds/Gallon:

PH: N/A

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
N/A

Solubility in Water:
33.7 CC/KG @ 20C

Appearance and Odor:
ARGON: COLORLESS, ODORLESS, TASTELESS GAS. METHANE: COLORLESS, FLAMMABLE GAS.

Percent Volatiles by Volume:
N/K

Corrosion Rate:
N/K

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
HIGH TEMPERATURES, SPARKS, AND OPEN FLAMES.

Materials To Avoid:
OXIDIZING MATERIALS.

Hazardous Decomposition Products:
CARBON MONOXIDE AND CARBON DIOXIDE.

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
NOT APPLICABLE

Toxicological Information

Information:N/P

MSDS Transport Information

Information:N/P

Regulatory Information

Sara Title III Information: N/P

Federal Regulatory Information: N/P

State Regulatory Information: N/P

Other Information

Other Information:N/P



Look for Chemicals
www.lookchem.com

For R&D use only. Not for drug, household or other uses.

WARRANTY

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Lookchem shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.