

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-74/74-99-7.html> for suppliers of this product.

Composition/Information on Ingredient

Cas: 74-99-7
Code: M
RTECS: UK4250000
Code: M
Name: METHYL ACETYLENE (PROPYNE)
Other REC Limits: N/P
OSHA PEL: 1000 PPM
Code: M
OSHA STEL:
Code:
ACGIH TLV: 1000 PPM; 9192
Code: M
ACGIHSTEL: N/P
Code:

Control Measures

Respiratory Protection: NOT NORMALLY REQUIRED. DO NOT ENTER AREA OF HIGH "MAPP" CONCENTRATION UNTIL FIRST PURGING WITH INERT GAS & THEN VENTILATING WITH AIR.
Ventilation: PROVIDE LOCAL EXHAUST OR MECHANICAL VENTILATION IF WELDING OR CUTTING IN CONFINED AREAS WHERE TLV'S MAY BE EXCEEDED.
Protective Gloves: LEATHER GLOVES WHEN WELDING,CUTTING/BRAZ
Eye Protection: SAFETY GLASSES W/FILTER LENS #4 OR MORE
Other Protective Equipment: Equipment 5 APPROPRIATE TYPE APRON.
Work Hygienic Practices: N/P
Supplemental Safety and Health: 16 OZ "MAPP GAS" CYLINDER IS PART OF KIT (MKT-4L); UNIWELD OBTAINS "MAPP GAS" FROM THE MFR. CITED ON THE MSDS.

Health Hazards Data

LD50LC50Mixture: N/P
Route Of Entry Inds - Inhalation: YES
Skin: YES
Ingestion: NO
Carcinogenicity Inds - NTP: NO
IARC: NO
OSHA: NO 3
Health Hazards Acute And Chronic: A CENTRAL NERVOUS SYSTEM DEPRESSANT & IRRITANT; BEING A SIMPLE ASPHYXIANT, INHALATION AT HI-CONC. SO AS TO EXCLUDE AN ADEQUATE SUPPLY OF OXYGEN TO THE LUNGS WILL CAUSE UNCONSCIOUSNESS, & POSSIBLE DEATH; REPEATED EXPOSURE TO TOLERABLE LEVELS HAS NOT SHOWN DELERIOUS EFFECTS.
Explanation Of Carcinogenicity: N/P
Signs And Symptions Of Overexposure: INHAL: A CNS DEPRESSANT & IRRITANT; LOW CONC. WILL CAUSE EXCITEMENT & DISORIENTATION; EYE/SKIN: CONTACT W/LIQUID WILL CAUSE FROSTBITE, IRRITATION, OR BLINDNESS.
Medical Cond Aggravated By Exposure: NONE LISTED.
First Aid: INHAL: ESCORT CONSCIOUS PARTIES TO AN UNCONTAMINATED AREA & INHALE FRESH AIR. QUICK REMOVAL FROM THE CONTAMINATED AREA IS MOST IMPORTANT. FOR UNCONSCIOUS INDIVIDUAL GIVE CPR/O2 AS SITUATION DICTATES.; SKIN FOR DERMAL CONTACT OR FROSTBITE, REMOVE CONTAMINATED CLOTHING & FLUSH AFFECTED AREAS W/LUKEWARM WATER. DO NOT USE HOT WATER.
Spill Release Procedures: EVACUATE ALL PERSONNEL FROM AFFECTED AREA. USE APPROPRIATE PROTECTIVE EQUIPMENT. IF LEAK IS IN USER'S EQUIPMENT,BE CERTAIN TO PURGE PIPING W/ AN INERT GAS PRIOR TO ATTEMPTING REPAIRS. IF LEAK IS IN CONTAINER OR CONTAINER VALVE,CONTACT CLOSEST SUPPLIER
Neutralizing Agent: N/P
Waste Disposal Methods: DO NOT ATTEMPT TO DISPOSE OF WASTE OR UNUSED QUANTITIES. RETURN IN THE SHIPPING CONTAINER PROPERLY LABELED, W/ VALVE PROTECTION CAP IN PLACE TO SUPPLIER FOR PROPER DISPOSAL.
Handling And Storage Precautions: USE ONLY IN WELL VENTILATED AREA & PROTECT FROM PHYSICAL DAMAGE. STORE IN COOL,DRY,WELL VENTILATED AREA OF NON-COMBUSTIBLE CONSTRUCTION.
Other Precautions: 4 STORAGE TEMPERATURE IS NOT TO EXCEED 130F/54C. EARTH-GROUND & BOND ALL LINES & EQUIPMENT ASSOCIATED W/FUEL GAS SYSTEM. THIS FUEL GAS SHOULD NOT BE HANDLED OR USED IN METALS WHICH FORM ACETYLIDES(EG. C U, AG, MG OR THEIR ALLOYS).

Fire and Explosion Hazard Information

Flash Point Method: CC
Flash Point:
Flash Point Text: 144F/62.2C
Autoignition Temp:
Autoignition Temp Text: 850F
Lower Limits: 3.0
Upper Limits: 11.0
Extinguishing Media: WATER FOG, DRY CHEMICAL, FOAM
Fire Fighting Procedures: DO NOT EXTINGUISH.KEEP CYLINDER COOL W/WATER FOG.IF FLAME EXTINGUISHED,REMOVE ALL IGNITION SOURCES & ALLOW CONTENTS TO VENT; INCREASE VENTIL TO PRVNT FLAM MX.
Unusual Fire/Explosion Hazard: GAS IS HEAVIER THAN AIR & MAY TRAVEL A CONSIDERABLE DISTANCE TO AN IGNITION SOURCE.

Physical/Chemical Properties

HCC: G2
NRC/State LIC No:
Net Prop WT For Ammo:
Boiling Point:
B.P. Text: -54 TO -10F
Melt/Freeze Pt:
M.P/F.P Text: -184F/-120C
Decomp Temp:
Decomp Text: N/A
Vapor Pres: 97PSIG:70F
Vapor Density: 0.11LB/FT3
Volatile Org Content %:
Spec Gravity: 1.48(G);0.571(L
VOC Pounds/Gallon:
PH: N/P
VOC Grams/Liter:
Viscosity: N/R
Evaporation Rate & Reference: N/P
Solubility in Water: SLIGHT
Appearance and Odor: COLORLESS GAS W/CHARACTERISTIC UNPLEASANT ODOR.
Percent Volatiles by Volume: 100
Corrosion Rate: N/P

Reactivity Data

Stability Indicator: YES 6
Stability Condition To Avoid: MFR CITES NONE; IGNITION SOURCES, HI-TEMPERATURES (FP D)
Materials To Avoid: NATURAL RUBBER; COPPER ALLOY >65% COPPER; SILVER; MERCURY; HALOGENS; ACIDS; METALLIC SODIUM,POTASSIUM,POTAS. PERMANGANT
Hazardous Decomposition Products: NONE
Hazardous Polymerization Indicator: NO
Conditions To Avoid Polymerization: N/P

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