

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-463/463-49-0.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
463-49-0  
**Code:**  
M

**RTECS:**

**Code:**  
X

**Name:**  
PROPADIENE(ONE OF THE CONSTITUENTS OF THE METHYL

**Other REC Limits:**  
N/P

**OSHA PEL:**  
N/P  
**Code:**

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
N/P  
**Code:**

**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 DELIRIOUS 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

## 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 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.

## LookChem

Look for Chemicals

[www.lookchem.com](http://www.lookchem.com)

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