

AIRCO DIV. OF "THE BOC GROUP" INC. -- MAPP GAS(LIQFD. PETRLM GAS W/METHYL-ACETY-P --  
3439-01-195-8717

===== Product Identification =====

Product ID:MAPP GAS(LIQFD. PETRLM GAS W/METHYL-ACETY-P

MSDS Date:11/01/1986

FSC:3439

NIIN:01-195-8717

MSDS Number: BGQHT

=== Responsible Party ===

Company Name:AIRCO DIV. OF "THE BOC GROUP" INC.

Address:575 MOUNTAIN AVE.

City:MURRAY HILL

State:NJ

ZIP:07974

Countr

y:US

Info Phone Num:201-464-8100

Emergency Phone Num:201-464-8100

CAGE:NO185

=== Contractor Identification ===

Company Name:AIRCO DIV. OF "THE BOC GROUP" INC.

Address:575 MOUNTAIN AVE.

Box:City:MURRAY HILL

State:NJ

ZIP:07974

Country:US

Phone:201-464-8100

CAGE:NO185

Company Name:DIV OF THE BOC GROUP INC AIRCO INC

Address:575 MOUNTAIN AVENUE

Box:City:MURRAY HILL

State:NJ

ZIP:07974

Country:US

Phone:908-665-2400

CAGE:6S493

Company Name:UNIWELD PRODUCTS, INC

Address:2850 RAVENSWOOD RD

Box:8427

City:F

ORT LAUDERDALE  
State:FL  
ZIP:33310  
Country:US  
Phone:954-584-2000  
CAGE:17941

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

Ingred Name:METHYL ACETYLENE (PROPYNE)  
CAS:74-99-7  
RTECS #:UK4250000  
Fraction by Wt: 44%  
OSHA PEL:1000 PPM  
ACGIH TLV:1000 PPM; 9192

Ingred Name:LPG (LIQUEFIED PETROLEUM GAS)  
CAS:68476-85-7  
RTECS #:SE7545000  
Fraction by Wt: 56%.  
OSHA PEL:1000 PPM  
ACGIH TLV:1000 PPM; 9192

Ingred Name:PROPADIENE(ONE OF THE CONSTITUENTS OF THE METHYL  
ACETYLENE-PROPADIENE MIXTURE)  
CAS:463-49-0

===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:A CENTRAL NERVOUS SYSTEM DEPRESSANT &  
IRRITANT; BEING A SIMPLE ASPHYXIAN, 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.  
Effects 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 Measures =====

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.

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

Flash Point Method:CC  
Flash Point: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.

===== Accidental Release Measures =====

Spill Release Procedures:EVACUATE ALL PERSONNEL FROM AFFECTED AREA. USE  
APPROPRIATE PROTECTIVE EQUIPMENT. IF LEAK IS IN USER'S EQUIPMENT,BE  
CERTAIN TO PURGE PIP  
ING W/ AN INERT GAS PRIOR TO ATTEMPTING  
REPAIRS. IF LEAK IS IN CO NTAINER OR CONTAINER VALVE,CONTACT  
CLOSEST SUPPLIR

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

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:STORAGE TEMPERATURE IS NOT TO EXCEED 130F/54C.  
EARTH-GROUND & BOND ALL LINES & EQUIPMENT ASSOCIATED W/FUE  
L GAS  
SYSTEM. THIS FUEL GAS SHOULD NOT BE HANDLED OR USED IN METALS WHICH  
FORM ACETYLIDES(EG. C U, AG, MG OR THEIR ALLOYS).

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

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:APPROPRIATE TYPE APRON.  
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.

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

HCC:G2  
Boiling Pt:B.P. Text:-54 TO -10F  
Melt/Freeze Pt:M.P/F.P Text:-184F/-120C  
Vapor Pres:97PSIG:70F  
Vapor Density:0.  
11LB/FT3  
Spec Gravity:1.48(G);0.571(L  
Solubility in Water:SLIGHT  
Appearance and Odor:COLORLESS GAS W/CHARACTERISTIC UNPLEASANT ODOR.  
Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES  
NATURAL RUBBER; COPPER ALLOY >65% COPPER; SILVER; MERCURY; HALOGENS;  
ACIDS; METALLIC SODIUM,POTASSIUM,POTAS. PERMANGANT  
Stability Condition to Avoid:MFR CITES NONE; IGNITION SOURCES,  
HI-TEMPERATURES  
Hazardous Deco  
mposition Products:NONE

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

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.

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