

MG INDUSTRIES -- CALIBERATING GAS MIXTURE, 2% METHANE IN AIR -- 6830-01-370-8166

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

Product ID:CALIBERATING GAS MIXTURE, 2% METHANE IN AIR

MSDS Date:11/16/1994

FSC:6830

NIIN:01-370-8166

Status Code:A

MSDS Number: CJKYF

=== Responsible Party ===

Company Name:MG INDUSTRIES

Address:3 GREAT VALLEY PARKWAY

City:MALVERN

State:PA

ZIP:19355

Country:US

Info Phone Num:215-695

-7596

Emergency Phone Num:412-963-2000/800-424-9300(CHEMTREC)

CAGE:8K810

=== Contractor Identification ===

Company Name:M G/MESSER GRIESHEIM INDUSTRIES

Address:1399 NEW FORD MILL RD

Box:XXX

City:MORRISVILLE

State:PA

ZIP:19067

Country:US

Phone:215-736-8005

CAGE:0J8W7

Company Name:MG INDUSTRIES

Address:8025 DORSEY RUN RD

Box:City:JESSUP

State:MD

ZIP:20794-9326

Country:US

Phone:301-796-8845

Contract Num:SP0450-99-M-JA56

CAGE:8K810

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

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Ingred Name:METHANE
CAS:74-82-8
RTECS #:PA1490000
Fraction by Wt: 2.0% %
Other REC Limits:NONE RECOMMENDED
ACGIH TLV:ASPHYXIAN; 9596

Ingred Name:AIR
RTECS #:AX5275000
Fraction by Wt: 98%
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: METHA
NE IS NON-TOXIC AND IS A
SIMPLE ASPHYXIAN. THE CONCENTRATION OF METHANE IN THIS GAS IS TOO
LOW TO DEPRESS OXYGEN CONCENTRATION. CHRONIC: NONE KNOWN OR
EXPECTED.
Explanation of Carcinogenicity:NONE OF THE COMPONENTS IS LISTED AS A
CARCINOGEN OR SUSPECTED CARCINOGEN BY IRAC, NTP OR OSHA.
Effects of Overexposure:NONE.
Medical Cond Aggravated by Exposure:NONE KNOWN OR EXPECTED.

===== First Aid Measures =====

First Aid:EYE CONTACT-NONE NEEDED.
SKIN CONTACT-NONE NEEDED.
INHALATION-NONE NEEDED. INGESTION-NONE NEEDED.

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

Flash Point Method:CC
Flash Point:-306F,-188C(MET)
Autoignition Temp:Autoignition Temp Text:580C
Lower Limits:5%
Upper Limits:15%
Extinguishing Media:THIS GAS IS NOT FLAMMABLE. COOL EXPOSED CONTAINERS
W/ WATER.
Fire Fighting Procedures:FIREFIGHTERS SHOULD WEAR NIOSH APPROVED
POSITIVE PRESSURE SCBA & FULL PROTECTIVE CLOTHING. USE SHIELDING TO

PROTECT FROM CYLINDER EXPLOSION.

Unusual Fire/Explosion Hazard:THIS MIXTURE IS BELOW THE LEL OF METHANE & NON-FLAMMABLE. COMPRESSED AIR/METHANE MIXTURES AT HIGH PRESSURE WILL ACCELERATE BURNING OF OTHER MATERIAL.

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

Spill Release Procedures:NONE NEEDED. THIS MATERIAL IS NON TOXIC AND NON FLAMMABLE.

Neutralizing Agent:NONE.

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

Handling and Storage P

recautions:DON'T STORE CYLINDERS NEAR HEAT/OPEN

FLAME. EXPOSURE TO TEMPERATURES ABOVE 130F MAY CAUSE RUPTURE, SECURE CYLINDERS- DON'T DROP.

Other Precautions:WHEN REMOVABLE CAP IS PROVIDED, STORE AND HANDLE WITH CAP IN PLACE. CONTENTS UNDER HIGH PRESSURE. KEEP CYLINDERS AWAY FROM HEAT & FLAMES. FOR ADDITIONAL HANDLING RECOMMENDATIONS ON COMPRESSED GAS CYLI NDERS, CONSULT PAMPHLET P-1.

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

Respiratory Protection

:NONE NORMALLY REQUIRED.

Ventilation:NO SPECIAL VENTILATION REQUIRED.

Protective Gloves:LEATHER GLOVES RECOMMENDED FOR HANDLING.

Eye Protection:SAFETY GLASSES RECOMMENDED.

Other Protective Equipment:NONE NORMALLY REQUIRED.

Work Hygienic Practices:USE NORMAL PERSONAL HYGIENE.

Supplemental Safety and Health

THE DATA FOR BOILING POINT, MELTING POINT AND FLASH POINT IS FOR METHANE. CLOSE CYLINDER VALVES WHEN CYLINDER IS NOT IN USE AND WHEN EMPTY.

===== Physical/Chemical Proper ties =====

HCC:G3

Boiling Pt:B.P. Text:-260F,-162C

Melt/Freeze Pt:M.P/F.P Text:-296F,-182C

Vapor Pres:N/R (GAS)

Vapor Density:0.993

Spec Gravity:0.673 KG/M3

Evaporation Rate & Reference:NONE SPECIFIED BY MFR.

Solubility in Water:NEGLIGIBLE

Appearance and Odor:COLORLESS, ODORLESS, TASTELESS COMPRESSED GAS IN CYLINDERS.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

NONE KNOWN.

Stability Condition to Avoid:AVOID HEAT OR FLAMES.

Hazardous Decomposition Products:NONE KNOWN.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE W/LOCAL, STATE, &
FEDERAL REGULATIONS. DO NOT INCINERATE CYLINDER.

===== Other Information =====

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