

MINE SAFETY APPLIANCES CO -- 478192 CALIBRATION CHECK GAS -- 6830-01-333-1692

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

Product ID:478192 CALIBRATION CHECK GAS

MSDS Date:11/02/1987

FSC:6830

NIIN:01-333-1692

MSDS Number: BNWFJ

=== Responsible Party ===

Company Name:MINE SAFETY APPLIANCES CO

Box:426

City:PITTSBURGH

State:PA

ZIP:15230

Country:US

Info Phone Num:412-967-3000

Emergency Phone Num:412-967-3000

C

AGE:55799

=== Contractor Identification ===

Company Name:MINE SAFETY APPLIANCES CO DBA MSA

Address:3880 MEADOWBROOK RD

Box:City:MURRYSVILLE

State:PA

ZIP:15668-1753

Country:US

Phone:724-733-9272

CAGE:55799

Company Name:MINE SAFETY APPLIANCES CO; INSTRUMENT DIV

Address:1000 CRANBERRY WOODS DR

Box:City:CRAMBERRY TWP

State:PA

ZIP:16066-5296

Country:US

Phone:724-733-9270

CAGE:1CS58

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

Ingred Name:METHANE

CAS:74-82-8

RTECS #:PA1490000

Fraction by Wt: 1.45%  
Other REC Limits:NONE RECOMMENDED  
ACGIH TLV:ASPHYXIAN; 9192

Ingred Name:OXYGEN  
CAS:7782-44-7  
RTECS #:RS2060000  
Fraction by Wt: 15%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:NITROGEN  
CAS:7727-37-9  
RTECS #:QW9700000  
Fraction by Wt: BALANCE  
Other REC Limits:NONE RECOMMENDED  
ACGIH TLV:ASPHYXIAN; 9192

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO  
OSHA:NO  
Health Hazards Acute and Chronic:METHANE IS A SIMPLE ASPHIXIAN.  
Explanation of Carcinogenicity:COMPONENT GASES NOT LISTED IN NIOSH  
RTECS.  
Effects of Overexposure:NONE KNOWN FOR 1.47% METHANE.  
Medical Cond Aggravated by Exposure:NO INFORMATION.

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

First Aid:REMOVE FROM EXPOSURE.

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

Lower Limits:5.3 METHANE  
Upper Limits:14.0 METHANE  
Extinguishing Medi  
a:THIS GAS IS NON FLAMMABLE.  
Fire Fighting Procedures:SEE NEXT ITEM  
Unusual Fire/Explosion Hazard:GAS UNDER PRESSURE, 1000 PSIG @ 70F. DO  
NOT EXCEED 120F,

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

Spill Release Procedures:VENTILATE AREA. AVOID BREATHING GAS.  
Neutralizing Agent:SUPPLIER DID NOT ADDRESS THIS FIELD.

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

Handling and Storage Precautions:STORE IN A COOL, DRY WELL-VENTILATED  
AAREA. DO

NOT EXCEED 120F.  
Other Precautions:NONE

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

Respiratory Protection:DUE TO THE LIMITED AMOUNT OF GAS IN THE CYLINDER AND THE LOW RELEASE RATE EMPLOYED IN INSTRUMENT CALIBRATION, RESPIRATORY PROTECTION IS NOT INDICATED UNDER CONDITIONS OF INTENDED USE.

Ventilation:MECHANICAL VENTILAATION IS SUITABLE.

Protective Gloves:NO INFORMATION GIVEN ON MSDS BY SUPPLIER

Eye Protection:NO INFORMATION GIVEN ON MSDS BY SUPPLIER

Other

Protective Equipment:NO INFORMATION GIVEN ON MSDS BY SUPPLIER

Work Hygienic Practices:AVOID BREATHING GAS.

Supplemental Safety and Health

MSDS RECEIVED FROM NAVY (FOCAL POINT N). NAVY IDENTIFIED NSN.

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

HCC:G3

pH:UNKNON

Appearance and Odor:GAS UNDER PRESSURE

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

Stability Indicator/Materials to Avoid:YES

NONE

Stability Condition to Avoid:NONE

Hazardous Decompositi

on Products:SUPPLIER DID NOT ADDRESS THIS FIELD.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:DO NOT PUNCTURE OR INCINERATE CYLINDER. BEFORE DISCARDING CYLINDER, SLOWLLY RELEASE CONTENTS TO A SAFE EXHAUST.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no

manner whatsoever,  
expressly or implied, warrants this information to be accurate and  
disclaims all liability for its use. Any person utilizing this  
document should seek competent professional advice to verify and  
assume responsibility for the suitability of this information to their  
particular situation.