

MINE SAFETY APPLIANCES CO -- 463464,CALIBRATION GAS,2.5% METHANE IN AIR --  
6665-00-401-8500

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

Product ID:463464,CALIBRATION GAS,2.5% METHANE IN AIR

MSDS Date:03/04/1993

FSC:6665

NIIN:00-401-8500

Kit Part:Y

MSDS Number: BRQNW

=== 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

CAGE:40912

=== Contractor Identification ===

Company Name:MINE SAFETY APPLIANCE (REPLACED BY CAGE 55799)

Address:201 N BRADDOCK AVENUE

Box:426

City:PITTSBURGH

State:PA

ZIP:15230

Country:US

Phone:412-967-3000

CAGE:40912

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

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

Ingred Nam

e:METHANE  
CAS:74-82-8  
RTECS #:PA1490000  
Fraction by Wt: 2.5%  
Other REC Limits:NONE RECOMMENDED  
ACGIH TLV:ASPHYXIAN; 9293

Ingred Name:AIR, REFRIGERATED LIQUID; AIR COMPRESSED (UN1002, DOT); AIR  
REFRIGERATED LIQUID (CRYOGENIC LIQUID) (UN1003) (DOT)  
RTECS #:AX5271000  
Fraction by Wt: BALANCE  
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:NOT KNOWN  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcin  
ogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE- METHANE IS A SIMPLE ASPHYXIAN.  
NO SIGNS OR SYMPTOMS OF EXPOSURE ARE KNOWN FOR 2.5% METHANE IN AIR.  
TARGET ORGANS IS LUNG.  
Effects of Overexposure:NOT KNOWN  
Medical Cond Aggravated by Exposure:NOT KNOWN

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

First Aid:FOR INHALATION OVEREXPOSURE REMOVE TO FRESH AIR, PROVIDE  
CPR/OXYGEN IF NEEDED. GET MEDICAL HELP.

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===== Fire Fi  
ghting Measures =====

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY  
CHEMICAL FOR SURROUNDING FIRE. THIS CALIBRATION GAS MIXTURE IS NOT  
FLAMMABL.  
Fire Fighting Procedures:EVACUATE ALL PERSONNEL FROM DANGER AREA.  
IMMEDIATELY DELUGE CONTAINERS WITH WATER SPRAY FROM MAXIMUM  
DISTANCE UNTIL COOL, THEN MOVE CONTAINERS AWAY IF NO RISK.  
Unusual Fire/Explosion Hazard:GAS UNDER PRESSURE, 115 PSIG AT 70 F.  
CONTAINERS MAY EXPLODE IN THE HEAT OF FIRE.

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

Spill Release Procedures:VENTILATE AREA.  
Neutralizing Agent:NONE

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL-VENTILATED  
AREA. DO NOT EXCEED 120 F.

Other Precautions:AVOID BREATHING GAS. USE IN WELL VENTILATED AREAS.  
FOLLOW THE CALIBRATION PROCEDURE DETAILED IN THE MSA INSTRUCTION  
MANUAL PROVIDED WITH THE INSTRUMENT UNDER CALIBRATI  
ON.

===== 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 VENTILATION IS SUITABLE.

Protective Gloves:NO

Eye Protection:SAFETY GLASSES OR GOGGLES RECOMMENDED

Other Protective Equipment:SAFETY SHOES OPTIONAL

Work Hygienic Practices:WASH HANDS T  
HOROUGHLY BEFORE EATING OR DRINKING  
AND AFTER HANDLING.

Supplemental Safety and Health

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

HCC:G3

Vapor Pres:GAS

Vapor Density: