

MINE SAFETY APPLIANCES CO -- CALIBRATION CHECK GAS P/N 467898 -- 6830-01-331-9024

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

Product ID:CALIBRATION CHECK GAS P/N 467898

MSDS Date:11/01/1995

FSC:6830

NIIN:01-331-9024

MSDS Number: BKSZN

=== Responsible Party ===

Company Name:MINE SAFETY APPLIANCES CO

Address:3880 MEADOWBROOK RD

Box:426

City:MURRYSVILLE

State:PA

ZIP:15668-1753

Country:US

Info Phone Num:412-9

67-3000

Emergency Phone Num:412-325-1313

Preparer's Name:NONE

CAGE: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 =

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Ingred Name:HYDROGEN SULFIDE (SARA 302/313) (CERCLA)
CAS:7783-06-4
RTECS #:MX1225000
Fraction by Wt: 0.001%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:C, 20 PPM
ACGIH TLV:10 PPM/15 STEL; 9596
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

Ingred Name:NITROGEN
CAS:7727-37-9
RTECS #:QW9700000
Fraction by Wt: 0.999%
Other REC Limits:NONE RECOMMENDED
ACGIH TLV:ASPHYXIAN; 9596

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

LD50 LC50 Mixture:LCLO: 800 PPM/5 MINUTES
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: NO EFFECTS KNOWN BELOW 10 PPM
H2S. NITROGEN IS AN ASPHYXIAN. HYDROGEN SULFIDE IS AN IRRITANT TO
THE EYES AND RESPIRATORY TRACT. CHRONIC: NONE KNOWN.
Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT
CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT
CARCINOGENS.
Effects of Overexposure:EYES: IRRITATION. INHALATION: RESPIRATORY TRACT
IRRITATION, ASPHYXIATION.
Medical Condition Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES: FLUSH WITH LARGE AMOUNTS OF WATER. INHALATION: MOVE TO
FRESH AIR. RESTORE BREATHING. GET MEDICAL ATTENTION.

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

Flash Point:NONFLAMMABLE
Lower Limits:4.0% H2S
Upper Limits:44.0% H2S
Extinguishing Media:NONFLAM

MABLE. USE MEDIA SUITABLE FOR SURROUNDING
FIRE.

Fire Fighting Procedures:NONFLAMMABLE. USE PROCEDURES SUITABLE FOR
SURROUNDING FIRE.

Unusual Fire/Explosion Hazard:GAS UNDER PRESSURE, 500 PSIG AT 70F. DO
NOT EXCEED 130F. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

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

Spill Release Procedures:VENTILATE AREA. AVOID BREATHING GAS. WEAR
PROPER PERSONAL PROTECTIVE EQUIPMENT. STOP LEAK IF CAN DO SO
WITHOUT RISK.

COLLECT FOR DISPOSAL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN A COOL, DRY PLACE WITH
ADEQUATE VENTILATION. KEEP AWAY FROM OPEN FLAMES AND HIGH
TEMPERATURES. AVOID BREATHING GAS.

Other Precautions:FOLLOW THE CALIBRATION PROCEDURE DETAILED IN THE MSA
INSTRUCTION MANUAL PROVIDED WITH THE INSTRUMENT UNDER CALIBRATION.

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

Respiratory Protection:NOT NORMALLY REQUIRED.

Ventilation:MECHANICAL (GENERAL) VENTILATION TO MAINTAIN EXPOSURE
LEVELS.

Protective Gloves:IMPERVIOUS

Eye Protection:SAFETY GLASSES OR GOGGLES

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:WASH WITH SOAP AND WATER AFTER HANDLING PRODUCT
AND BEFORE EATING, DRINKING, OR SMOKING.

Supplemental Safety and Health

DO NOT PUNCTURE OR INCINERATE CYLINDER.

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

HCC:G3

Boiling Pt:B.P. Text:NOT GIVEN

Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN

Vapor Pres:NOT GIVEN

Vapor Density:1

Spec Gravity:NOT GIVEN

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:NEGLIGIBLE

Appearance and Odor:COLORLESS, MALODOROUS GAS.

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

Stability Indicator/Materials to Avoid:YES

NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid:PHYSICAL DAMAGE TO CYLINDER, TEMPER

ATURES

ABOVE 130F.

Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

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

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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