

MINE SAFETY APPLIANCES - CORP HQTRS -- P/N 812144 CALIBRATION CHECK GAS --  
6830-01-441-1263

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

Product ID:P/N 812144 CALIBRATION CHECK GAS  
MSDS Date:05/01/1995  
FSC:6830  
NIIN:01-441-1263  
Status Code:A  
MSDS Number: CHXDS  
=== Responsible Party ===  
Company Name:MINE SAFETY APPLIANCES - CORP HQTRS  
Address:121 GAMMA DR  
Box:426  
City:PITTSBURGH  
State:PA  
ZIP:15230-0426  
Count  
ry:US  
Info Phone Num:412-967-3000  
Emergency Phone Num:412-967-3000  
CAGE:8F723

=== Contractor Identification ===  
Company Name:MINE SAFETY APPLIANCES CO  
Address:121 GAMMA DR  
Box:426  
City:PITTSBURGH  
State:PA  
ZIP:15230-0426  
Country:US  
Phone:724-733-9270  
CAGE:8F723

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

Ingred Name:NITRIC OXIDE (SARA 302)  
CAS:10102-43-9  
RTECS #:QX0525000  
Fraction by Wt: 0.001%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:25 PPM  
ACGIH TLV:25 PPM; 9596  
EPA

Rpt Qty:10 LBS  
DOT Rpt Qty:10 LBS

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

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===== 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:NITRIC OXIDE IS A HIGHLY TOXIC GAS.  
THE TLV-TWA IS 25 PPM AND THE IDLH ASPHYXIAN. THE DILUTE NITROGEN  
IS  
A SIMPLE ASPHYXIAN.  
Explanation of Carcinogenicity:NOT LISTED BY RTECS, OSHA, NTP OR IARC.  
Effects of Overexposure:OVEREXPOSURE TO NITROGEN OXIDES CAN CAUSE  
COUGH, DIFFICULT BREATHING, FATIGUE, NAUSEA, CHEST CONGESTION,  
IRRITATION OF EYES AND RESPIRATORY TRACT, PULMONARY EDEMA AND  
DELAYED EDEMA, AND POSSIBLY METHE MOGLOBINEMIA.  
Medical Cond Aggravated by Exposure:NO INFORMATION.

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

First Aid:REMOVE THE VICTIM TO FRE  
SH AIR. APPLY ARTIFICIAL RESPIRATION  
IF THE VICTIM IS NOT BREATHING. GIVE OXYGEN IF BREATHING IS  
DIFFICULT. GET MEDICAL ATTENTION IMMEDIATELY, EVEN IF THE VICTIM IS  
NOT COMPLAI NING OF DISCOMFORT. IMMEDIATE MEDICAL ATTENTION IS  
ADVISED IN ALL CASES WHERE APPRECIABLE INHALATION OF NO/NO2 IS  
BELIEVED TO HAVE OCCURRED, AS PULMONARY EDEMA MAY DEVELOP.

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

Extinguishing Media:THIS CALIBRATION GAS MIXTURE ISN'T FLAM  
MABLE.  
Unusual Fire/Explosion Hazard:GAS UNDER PRESSURE, 500 PSIG AT 70F.  
DON'T EXCEED 120F.

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

Spill Release Procedures:VENTILATE AREA. AVOID BREATHING GAS.

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

Handling and Storage Precautions:STORE IN A COOL, DRY WELL VENTILATED  
AREA. DON'T EXCEED 130F.  
Other Precautions:AVOID BREATHING GAS.

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

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Respiratory Protection:DUE TO LIMITED AMOUNT OF GAS IN THE CYLINDER, & THE LOW RELEASE RATE EMPLOYED IN INSTRUMENT CALIBRATION, RESPIRATORY PROTECTION ISN'T INDICATED UNDER CONDITIONS OF INTENDED USE.

Ventilation:USE IN WELL VENTILATED AREA.ITABLE.

Work Hygienic Practices:AVOID BREATHING GAS.

Supplemental Safety and Health

FOLLOW THE CALIBRATION PROCEDURE DETAILED IN THE MSA INSTRUCTIONS MANUAL PROVIDED WITH THE INSTRUMENT UNDER CALIBRATION.

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

HCC:G3

Vapor Density:130F.

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

Waste Disposal Methods:DON'T PUNCTURE/INCINERATE CYLINDER. BEFORE DISCARDING CYLINDER, SLOWLY RELEASE CONTENTS TO A SAFE EXHAUST.

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