

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
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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
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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
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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
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Spill Release Procedures:VENTILATE AREA. AVOID BREATHING GAS.

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Handling and Storage
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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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