

MINE SAFETY APPLIANCES CO -- MSA P/N 481317 CALIBRATION CHECK GAS, 100% NITROGEN --  
6830-01-465-4824

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

Product ID:MSA P/N 481317 CALIBRATION CHECK GAS, 100% NITROGEN

MSDS Date:06/06/1999

FSC:6830

NIIN:01-465-4824

Status Code:A

MSDS Number: CLPVG

=== Responsible Party ===

Company Name:MINE SAFETY APPLIANCES CO

Address:121 GAMMA DRIVE

Box:426

City:PITTSBURGH

State:PA

ZIP:15230

Country:US

Info Phone Num:412-967-3000

Emergency Phone Num:800-255-3924

CAGE:0B274

=== Contractor Identification ===

Company Name:MINE SAFETY APPLIANCE CO. INSTRUMENT DIVISION

Address:300 WALDEN ROAD

Box:City:CRANBERRY TWO,

State:PA

ZIP:16066

Country:US

Phone:724-733-9272

Contract Num:SP0450-02-M-M145

CAGE:00VT4

Company Name:MINE SAFETY APPLIANCES CO

Address:121 GAMMA DRIVE

Box:426

City:PITTSBURGH

State:PA

ZIP:15230

Country:US

Phone:412-967-3000

CAGE:0B274

===== Composition/

Information on Ingredients =====

Ingred Name:NITROGEN  
CAS:7727-37-9  
RTECS #:QW9700000  
= Wt:100.

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

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:NITROGEN IS AN ASPHYXIANT. TARGET  
ORGAN: LUNGS.  
Explanation of Carcinogenicity:COMPONENT GASES ARE NOT LISTED BY NIOSH,  
RTECS, OSHA, NTP, OR IARC.  
Effects of Overexposure:SIGNIFICANT DILUTION OF AMBIENT AIR BY  
ASPHYXIANTS CAU  
SES AIR HUNGER, INCREASED BREATHING FREQUENCY,  
DROWSINESS, WEAKNESS, & RINGING IN EARS.  
Medical Cond Aggravated by Exposure:NO INFORMATION.

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

First Aid:REMOVE FROM EXPOSURE.

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

Lower Limits:NONE  
Upper Limits:NONE  
Extinguishing Media:THIS CALIBRATION GAS MIXTURE IS NOT FLAMMABLE.  
Fire Fighting Procedures:SEE UNUSUAL FIRE AND EXPLOSION HAZARD.  
Unusual Fire/Explosion Hazard:GAS UNDER PRESSURE, 1000 PSIG AT 70 DEG  
F. DO NOT EXCEED 120 DEG F.

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

Spill Release Procedures:VENTILATE AREA.

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL-VENTILATED  
AREA. DO NOT EXCEED 120 DEG F.  
Other Precautions:WARNING: HIS IS A HAZARDOUS CHEMICAL PRODUCT. BY  
FOLLOWING THE DIRECTIONS AND WARNINGS PROVIDED WITH THI

S PRODUCT,

THE HAZARD ASSOCIATED WITH THE USE OF THIS PRODUCT CAN BE GREATLY REDUCED BUT NEVER ENTIRELY ELIMINATED.

===== 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.

Work Hygienic Practices: AVOID BREATHING GAS. USE IN WELL-VENTILATED

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

Supplemental Safety and Health

LABEL IDENTITY: MSA P/N 481317 CALIBRATION CHECK GAS, 100% NITROGEN.

CHEMICAL NAME: NITROGEN. ADDITIONAL IDENTITIES: MSA P/N 481317 CALIBRATION GAS. FORMULA: N<sub>2</sub>.

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

HCC: G3

Vapor Density: