

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:P

A

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 CA
USES 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/E
xplosion 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 TH

IS 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 BREATH
ING 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: N₂.

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

HCC: G3

Vapor Density: