

MINE SAFETY APPLIANCES CO -- MSA P/N 473583 STEEL CYLINDER AND VALVE ASS --  
1045-01-111-8264

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

Product ID:MSA P/N 473583 STEEL CYLINDER AND VALVE ASS

MSDS Date:03/01/1990

FSC:1045

NIIN:01-111-8264

MSDS Number: BQMKN

=== Responsible Party ===

Company Name:MINE SAFETY APPLIANCES CO

Address:3880 MEADOWBROOK RD

City:MURRYSVILLE

State:PA

ZIP:15668-1753

Country:US

Info P

hone Num:412-325-1313

Emergency Phone Num:412-325-1313

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

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

Ingred Name:OXYGEN

CAS:7782-44-7

RTECS #:RS2060000

Fraction by Wt: 21% %

Other REC Limits:NONE SPECIFIED

Ingred Name:NITROGEN

CAS:7727-37-9

RTECS #:QW9700000

Fraction

by Wt: 79% %

Other REC Limits:NONE SPECIFIED

ACGIH TLV:ASPHYXIAN; 9192

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

LD50 LC50 Mixture:LD50 (ORAL RAT) IS NOT APPLICABLE.

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE: PHYSICAL INJURY DUE TO RUPTURE/  
EXPLOSION OF CONTAINER. INJECTION OF COMPRESSED AIR INTO THE BLOOD  
STREAM.

Explanation of Carcinogenicity:NONE OF THE COMPOUNDS IN THIS PRODUCT IS  
LISTED BY IARC, NTP,  
OR OSHA AS A CARCINOGEN.

Effects of Overexposure:NONE

Medical Cond Aggravated by Exposure:NONE

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

First Aid:GET IMMEDIATE MEDICAL CARE FOR THOSE INJURED BY EXPLODING  
CYLINDERS OR IF AIR IS SUSPECTED TO HAVE BEEN INJECTED INTO THE  
BLOOD STREAM.

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

Flash Point:NON-FLAMMABLE

Extinguishing Media:PRODUCT IS NON FLAMMABLE. EXTINGUISH FIRE WITH  
MEDIA APPRO  
PRIATE FOR SOURCE OF FIRE.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A  
FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED  
CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:CONTAINS AIR UNDER 2200 PSI. CONTAINERS  
EXPOSED TO HEAT MAY RUPTURE OR EXPLODE.

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

Spill Release Procedures:NONE

Neutralizing Agent:NOT APPLICABLE.

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

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Handling and Storage Precautions:PROTECT CYLINDERS FROM PHYSICAL DAMAGE. STORE AWAY FROM EXTREME HEAT (BELOW 125F). KEEP CYLINDER VALVES CLOSED WHEN NOT IN USE AND WHEN EMPTY.

Other Precautions:DO NOT DEFACE CYLINDERS OR LABELS. USE ALL RECOMMENDED SAFETY PROCEDURES WHEN HANDLING CYLINDERS. READ AND OBEY ALL INSTRUCTIONS ON LABEL.

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

Protective Gloves:WORK GLOVES FOR HANDLING CYLINDERS.

Eye Prot

ection:APPROVED SAFETY GLASSES OR FACE SHIELD.

Other Protective Equipment:SAFETY SHOES AND HEARING PROTECTION.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. USE PROPER CARE WHEN HANDLING AND STORING CYLINDERS.

Supplemental Safety and Health

THIS IS BREATHING AIR.

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

HCC:G3

Boiling Pt:B.P. Text:-318F,-194C

Vapor Density:1.0

Solubility in Water:1.87%

Appearance and Odor:COLORLE

SS, ODORLESS GAS

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

NOT RELAVENT

Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES

Hazardous Decomposition Products:NONE

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

Waste Disposal Methods:RELEASE PRESSURE SAFELY BEFORE DISPOSAL OF CYLINDER. DISPOSEMUST BE IN ACCORDANCE WITH FEDERAL, STATE, LOCAL REGULATIONS.

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