

MINE SAFETY APPLIANCES CO -- P/N 473579, MODEL 5-447-1 COMPRESSED AIR CY --  
4240-01-248-8035

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

Product ID:P/N 473579, MODEL 5-447-1 COMPRESSED AIR CY

MSDS Date:03/01/1990

FSC:4240

NIIN:01-248-8035

MSDS Number: BMDWG

=== 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:412-967-3000

Emergency Phone Num:412-967-3000

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 O  
SHA 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 APPROPRIA  
TE 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 =====

=====

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 Protec

tion: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 WHICH MEETS THE SPECIFICATIONS G-7.1, TYPE I.  
GRADE D OF THE COMPRESSED GAS ASSOCIATION.

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

HCC:G3

Boiling Pt:B.P

. Text:-318F,-194C

Vapor Density:1.0

Solubility in Water:1.87%

Appearance and Odor:COLORLESS, 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  
CYLIN

DER. DISPOSEM I/A/W FEDERAL,STATE,LOCAL REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):  
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.