

G-106, ARGOSHIELD GAS NO.2

MSDS Number

BNDCR

National Stock Number

6830-00N029233

Product Name

G-106, ARGOSHIELD GAS NO.2

Manufacturer

AIRCO

Product Identification

Product ID:G-106, ARGOSHIELD GAS NO.2

MSDS Date:07/10/1989

FSC:6830

NIIN:00N029233

MSDS Number: BNDCR

Responsible Party

AIRCO

575 MOUNTAIN AVE

MURRAY HILL , NJ 07974

US

Emergency Phone: 800-424-9300 (CHEMTREC)

Info Phone: 201-464-8100; 201-573-0800

Cage: AIRCO

Contractor

BOC GASES, A DIVISION OF THE BOC GROUP, INC

MURRAY HILL, NJ 07974

US

908-464-8100

Cage: 80382

Ingredients

ENCLSD SPACE SUCH AS CAR TRUNK, VAN/STATION WAGON.

RTECS: 9999999ZZ

MIXTS ARE NONCORR & MAY BE USED W/ANY COMMON

RTECS: 9999999ZZ

EXCEPT BY QUALIFIED PRDCRS OF COMPRESSED GASES.

RTECS: 9999999ZZ

BY OWNER/WITH HIS (WRITTEN) CONSENT IS VIOLATION OF

RTECS: 9999999ZZ

MATERIAL. USE INSULATED GLOVES IF CONTACT

RTECS: 9999999ZZ

ARGON

CAS: 7440-37-1

RTECS: CF2300000

Fraction By Weight: 70-99%

ACGIH TLV: SIMPLE ASPHYXIAN

OXYGEN

CAS: 7782-44-7

RTECS: RS2060000

Fraction By Weight: 1-30%

CYLS FROM PHYSICAL DMG. STORE IN COOL, DRY,

RTECS: 9999999ZZ

EXITS. DO NOT ALLOW TEMP WHERE CYLS ARE STORED TO

RTECS: 9999999ZZ

TO PVNT FALLING/BEING KNOCKED OVER. FULL & EMPTY CYLS

RTECS: 9999999ZZ

COMPRESSED GAS ASSOC'S PAMPHLETS P-1. NEVER CARRY

RTECS: 9999999ZZ

Hazards

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

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

Health Hazards Acute and Chronic:INHAL:EFFECTS OF OVEREXPOS TO HIGH CONC SO FAR AS TO DISPLACE O2 CONTENT IN AIR NECESSARY FOR LIFE ARE HEADACHES, DIZZINESS, LABORED BREATHING & EVENTUAL UNCONSCIOUSNESS.

MAINTAIN O2 LEVELS >19.5% AT SEA LEVEL. MIXTURES W/ARE INACTIVE BIOLOGICALLY & ESSENTIALLY NONTOXIC. (EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT.

Effects of Overexposure:HLTH HAZ:THEREFORE, MAJOR HAZARD IS THAT OF O2 DEFICIENCY DUE TO DISPLACEMENT. EYE:NONE OTHER THAN FROM PHYSICAL IRRITATION OF COMPRESSED GAS.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

First Aid

First Aid:INHAL:PROMPT MED ATTN IS MANDATORY IN ALL CASES OF OVEREXP TO ANAEROBIC ATM MIXTS. RESCUE PERS SHLD BE EQUIPPED W/ NIOSH/MSHA APPRVD SCBA. VICTIMS SHLD BE ASSISTED TO UNCONTAM AREA & INHALE FRESH AIR. QUICK REMOVAL FROM CONTAM AREA IS MOSTIMPORTANT. IF BRTHG HAS STOPPED, ADMIN ARTF RESUSCITATION & SUPP O2. FURTHER TREATMENT SHLD BE SYMPTOMATIC & SUPPORTIVE. SKIN:NOT APPLICABLE. EYES:IF (SUPDAT)

Fire Fighting

Flash Point:NONE

Lower Limits:NONE
Extinguishing Media:NONFLAMMABLE, INERT GAS. USE ANY MEDIA SUITABLE FOR SURROUNDING FIRE. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.
Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT . NO SPECIAL REQUIREMENTS. USE PRECAUTIONS FOR SURROUNDING FIRE.
Unusual Fire/Explosion Hazard:ELECTRICAL CLASSIFICATION:NON-HAZARDOUS.

Accidental Release

Spill Release Procedures:EVACUATE ALL PERS FROM AFFECTED AREA. USE APPROP PROT EQUIP INCLUDING NIOSH/MSHA APPROVED SCBA. IF LEAK IS IN CONTAINER OR CONTAINER VALVE, CONTACT CHEMTREC FOR EMERGENCY ASSISTANCE OR YOUR CLOSEST AI RCO LOCATION.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling

Handling and Storage Precautions:USE ONLY IN WELL-VENTED AREAS. VALVE PROT CAPS MUST REMAIN IN PLACE UNLESS CNTNR IS SECURED W/VALVE OUTLET PIPED TO USE POINT.
Other Precautions:DO NOT DRAG, SLIDE/ROLL CYLS. USE SUITABLE HAND TRUCK FOR CYL MOVEMENT. USE PRESS REDUCING REGULATOR WHEN CONNECTING CYL TO LOWER PRESS (MEANS TO INCR DI SCHARGE RATE OF PROD FROM CYL. (SUPDAT)

Exposure Controls

Respiratory Protection:A NIOSH/MSHA APPROVED TYPE C RESPIRATOR W/FULL FACE PIECE OR NIOSH/MSHA APPROVED SCBA SHOULD BE AVAILABLE FOR EMERGENCY USE.
Ventilation:USE LOCAL EXHAUST/GEN VENT TO PVNT ACCUM OF HIGH CONCS WHICH MAY REDUCE O2 LEVEL IN AIR TO Protective Gloves:PROT GLOVES OF ANY SUITABLE (ING 11)
Eye Protection:CHEMICAL WORKERS GOGGLES .
Other Protective Equipment:SAFETY SHOES.
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.
Supplemental Safety and Health
FIRST AID PROC:IRRITATION DEVELOPS, WASH W/ WATER FOR AT LEAST 15 MINUTES & CALL MD. INGEST:NOT APPLICABLE. OTHER PREC: USE CHECK VALVE/TRAP IN DISCHARGE LINE TO PREVENT HAZ BACK FLOW INTO SYSTEM. USE "FIRST IN-FIRST OUT" INVENTORY SYSTEM TO PREVENT FULL CYLS BEING STORED FOR EXCESS PERIODS OF TIME. PROT (ING 3)

Chemical Properties

HCC:G3
Vapor Density:1
Solubility in Water:SLIGHT
Appearance and Odor:COLORLESS GAS; ODORLESS

Stability

Stability Indicator/Materials to Avoid:YES
NONE KNOWN.
Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.
Hazardous Decomposition Products:NONE KNOWN.

Disposal

Waste Disposal Methods:DO NOT ATTEMPT TO DISP OF WASTE OR UNUSED QTYS. RETURN IN SHIPPING CNTNR PROPERLY LABELED, W/ANY VALVE OUTLET PLUGS/CAPS SECURE & VALVE PROT CAP IN PLACE TO AIRCO FOR PROPER DISP.

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.