

## **ARGON OR LAR (IN CRYOGENIC LIQUID STATE)**

### **MSDS Number**

BLBSF

### **National Stock Number**

6830-00N016542

### **Product Name**

ARGON OR LAR (IN CRYOGENIC LIQUID STATE)

### **Manufacturer**

AIR PRODUCTS AND CHEMICALS INC

### **Product Identification**

Product ID: ARGON OR LAR (IN CRYOGENIC LIQUID STATE)

MSDS Date: 06/30/1988

FSC: 6830

NIIN: 00N016542

MSDS Number: BLBSF

### **Responsible Party**

AIR PRODUCTS AND CHEMICALS INC

7201 HAMILTON BLVD

ALLENTOWN, PA 18195

US

Emergency Phone: 800-523-9374; 800-322-9092

Info Phone: 215-481-8257

Cage: 00742

### **Contractor**

AIR PRODUCTS AND CHEMICALS INC

ALLENTOWN, PA 18195-1501

US

800-345-3148/ 800-752-1597

Cage: 00742

### **Ingredients**

AWAY FROM SOURCES OF HEAT. STOR SHOULD NOT BE IN

RTECS: 9999999ZZ

OR DMG FROM PASSING/FALLING OBJECTS. VALVE CAPS

RTECS: 9999999ZZ

FULL & EMPTY CYLS. STOR AREAS SHOULD BE FREE OF

RTECS: 9999999ZZ

CORROSIVE CHEMICALS ARE PRESENT. SEE AFOREMENTIONED

RTECS: 9999999ZZ

ARGON

CAS: 7440-37-1

RTECS: CF2300000

ACGIH TLV: ASPHYXIAN; 9192

GAS CYL. USE A CHECK VALVE TO PVNT

RTECS: 9999999ZZ

CYLS, EVEN FOR A SHORT DIST. USE A SUITABLE HAND

RTECS: 9999999ZZ

CYL, CNSLT COMPRESSED GAS ASSOEN PAMPHLET P-1.

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:ARGON IS ODORLESS & NON-TOXIC, BUT MAY

PRDCE SUFFOCATION BY DILUTING THE CONC OF O\*2 IN AIR BELOW LEVELS

NEC TO SUPPORT LIFE. PERS, INCL RESCUE WORKERS, SHOULD NOT ENTER

AREAS WHERE THE O\*2 CONC IS APPRVD SCBA/AIRLINE RESP. EXPOS TO OXYGEN-DEFICIENT ATM MAY (SEE EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:HLTH HAZ: PRDCE DIZZ, NAUS, VOMIT, LOSS OF CONSCIOUSNESS, & DEATH. DEATH MAY RSLT FROM ERRORS IN JUDGMENT, CONFUSION, OR LOSS OF CONSCIOUSNESS WHICH PVNTS SELF-RESCUE. AT LOW O\*2 CONC UNCON & DEATH MAY OCCUR IN SECONDS W/O WARNING. EXTENSIVE TISS DMG/BURNS CAN RSLT FROM EXPOS TO LIQ ARGON OR COLD ARGON VAPORS.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

## First Aid

First Aid:PERSONS SUFFERING FROM LACK OF O\*2 SHOULD BE MOVED TO AREAS W/NORM ATM. NIOSH/MSHA APPRVD SCBA MAY BE REQD TO PVNT ASPHY OF RESCUE WORKERS. ASSISTED RESP & SUPP O\*2 SHOULD BE GIVEN IF NOT BRTHG. IF CR YOGENIC LIQ/COLD BOIL-OFF GAS CNTCTS WORKER'S SKIN/EYES, FROZEN TISS SHOULD BE FLOODED/SOAKED W/TEPID WATER (105-115F; 41-46C). DO NOT USE HOT WATER. CRYOGENIC BURNS WHICH RSLT IN (SEE SUPP DATA)

## Accidental Release

Spill Release Procedures:AVOID CNTCT OF SKIN W/LIQ ARGON/ITS COLD BOIL-OFF GAS. FLUSH LIQ ARGON SPILL W/H\*2O TO DISPERSE. VENT ENCL AREAS TO PVNT FORM OF O\*2 DEFICIENT ATM CAUSED BY EVAP OF LIQ ARGON/RELS OF GASEOUS ARGON. ARGON IS HEAVIER THAN AIR & MAY TEND (SEESUPP DATA)

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

## Handling

Handling and Storage Precautions:PVNT CNTCT OF LIQ ARGON W/EXPOSED SKIN. PVNT ENTRAPMENT OF LIQ IN CLOSED SYS. USE ONLY IN WELL VENTED AREAS. COMPRESSED GAS CYL (SEE OTHER PREC)

Other Precautions:HNDLG/STOR PREC: CONTAIN ARGON @ EXTREMELY HIGH PRESS & SHOULD BE HANDLED W/CARE. USE A PRESS-REDUCING REGULATOR WHEN CONNECTING TO LOWER PRESS PIPING SYS. SECURE CYLS WHEN IN USE. NEVER USE DIRECT FLAME TO HEAT A COMPRESSED (SEE INGRED 02)

## Exposure Controls

Respiratory Protection:USE A NIOSH/MSHA APPROVED SCBA IN OXYGEN-DEFICIENT ATMOSPHERE. CAUTION! RESPIRATORS WILL NOT FUNCTION. USE MAY RESULT IN ASPHYXIATION.  
Ventilation:NATURAL/MECHANICAL WHERE GAS/VAPS ARE PRESENT. VENTS SHOULD BE SITUATED TO AVOID > NORM CONC OF ARGON IN WORK AREAS.  
Protective Gloves:(SEE OTHER PROT EQUIP)  
Eye Protection:CHEMICAL WORKERS GOGGLES .  
Other Protective Equipment:LOOSE-FITTING IMPERMEABLE GLOVES (I.E. LEATHER) WHEN HANDLING LIQUID ARGON/COMPRESSED GAS CYLINDERS.  
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.  
Supplemental Safety and Health  
@1ATM: BP:-302.6F(-185.9C). SPEC GRAV:1.38@68F (20C). VAP DENS:0.104@68F(20C). SOL IN H\*2O:3.35% @68F(20C). FIRST AID PROC:BLISTERING/DEEPER TISS FRZ SHOULD BE SEEN BY MD IMMED. SPILL PROC:TO COLLECT IN LOW AREAS IF VENT IS NOT ADEQ. WASTEDISP METH:TO MFR W/RESIDUAL PRESS, CYL VALVE TIGHTLY CLOSED/VALVE CAPS IN PLACE.

## Chemical Properties

HCC:G3  
Boiling Pt:B.P. Text:SEE SUPDAT  
Vapor Density:SEE SUPDAT  
Spec Gravity:SEE SUPDAT  
Solubility in Water:SEE SUPDAT  
Appearance and Odor:BOTH LIQUID AND GASEOUS ARGON ARE COLORLESS AND ODORLESS.

## Stability

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

## Disposal

Waste Disposal Methods:ALLOW LIQ ARGON TO EVAP IN A WELL VENTED OUTDOOR LOCATION REMOTE FROM WORK AREAS. VENT ARGON GAS SLOWLY TO A WELL VENTED OUTDOOR LOCATION REMOTE FROM WORK AREAS. DO NOT ATTEMPT TO DISP OF RESIDUAL ARG ON IN COMPRESSED GAS CYL. RTN CYL (SEE SUPP DATA)

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