

## **ARGON, LAR (LIQUID ONLY)**

### **MSDS Number**

BHDGX

### **National Stock Number**

6830-00-281-8808

### **Product Name**

ARGON, LAR (LIQUID ONLY)

### **Manufacturer**

AIR PRODUCTS AND CHEMICALS INC

### **Product Identification**

Product ID:ARGON, LAR (LIQUID ONLY)

MSDS Date:07/10/1986

FSC:6830

NIIN:00-281-8808

MSDS Number: BHDGX

### **Responsible Party**

AIR PRODUCTS AND CHEMICALS, INC.

2043 S 35TH ST

ALLENTOWN , PA 18105

US

Emergency Phone: 1-800-322-9092

Info Phone: 215-481-4911

Cage: 00742

### **Contractor**

OXYGEN SALES AND SERVICE INC

11393

TACOMA, WA 98411-0393

US

800-345-3148/ 800-752-1597

Cage: 5H199

### **Ingredients**

ARGON, LAR(LIQUID ONLY)

CAS: 7440-37-1

### **Hazards**

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

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

Health Hazards Acute and Chronic:ARGON IS NONTOXIC BUT CAN ACT AS A SIMPLE ASPHYXIAN BY DISPLACING THE AMOUNT OF OXYGEN IN THE AIR NECESSARY TO SUPPORT LIFE.

Effects of Overexposure:MAY PRODUCE DIZZINESS, NAUSEA, VOMITING, LOSS OF CONSCIOUSNESS, AND DEATH. DEATH MAY RESULT FROM ERRORS IN JUDGMENT, CONFUSION, OR LOSS OF CONSCIOUSNESS WHICH PREVENTS SELF-RESCUE. EXTENSIVE TISSUE DAMAGE OR BURNS CAN RESULT FROM EXPOSURE TO LIQUID ARGON OR COLD ARGON VAPORS.

### **First Aid**

First Aid:MOVE/ASSIST PERSON TO NORMAL ATMOSPHERES. RESCUERS SHOULD WEAR S.C.B.A. IF PERSON IS NOT BREATHING GIVE CPR AND

SUPPLEMENTAL OXYGEN. IF CRYOGENIC LIQUID OR COLD BOIL-OFF GAS CONTACTS A WORKER'S SKIN OR EYES, FROZEN TISSUES SHOULD BE FLOODED OR SOAKED WITH TEpid WATER, NOT HOT. CRYOGENIC BURNS WHICH RESULT IN BLISTERING OR DEEPER TISSUE FREEZING SHOULD BE SEEN PROMPTLY BY A PHYSICIAN.

## Accidental Release

Spill Release Procedures: FLUSH LIQUID ARGON SPILL WITH WATER TO DISPERSE. VENTILATE ENCLOSED AREAS TO PREVENT FORMATION OF OXYGEN-DEFICIENT ATMOSPHERE CAUSED BY THE EVAPORATION OF LIQUID ARGON OR THE RELEASE OF GASEOUS ARGON. ARGON HEAVIER THAN AIR, COLLECTS LOW W/O VENT

## Handling

Handling and Storage Precautions: PREVENT ENTRAPMENT OF LIQUID IN CLOSED SYSTEMS. USE & STORE IN WELL VENTILATED AREA AWAY FROM SOURCES OF HEAT. SEGREGATE FULL/EMPTY CYLINDERS.

Other Precautions: MATERIALS OF CONSTRUCTION MUST BE SELECTED FOR COMPATIBILITY WITH EXTREMELY LOW TEMPERATURES. COMPRESSED GAS CYLINDERS SHOULD NOT BE REFILLED EXCEPT BY QUALIFIED PRODUCERS OF COMPRESSED GASES. AVOID EXPOSURE TO AREAS WITH CORROSIVE CHEMICALS.

## Exposure Controls

Respiratory Protection: USE SELF-CONTAINED BREATHING APPARATUS IN OXYGEN-DEFICIENT ATMOSPHERE. CAUTION! RESPIRATORS WILL NOT FUNCTION. USE MAY RESULT IN ASPHYXIATION.

Ventilation: NATURAL OR MECHANICAL WHERE GAS OR VAPORS ARE PRESENT. VENTS TO BE HIGHER THAN NORMAL CONCENTRATION OF ARGON IN WORK AREA

Protective Gloves: LOOSE-FITTING GLOVES/IMPERMEABLE MATERIAL

Eye Protection: SAFETY GLASSES OR CHEMICAL GOGGLES

Supplemental Safety and Health

NK

## Chemical Properties

Boiling Pt: B.P. Text: -302F/-185C

Vapor Density: \*SEE BELOW

Spec Gravity: \*SEE BELOW

Solubility in Water: \*SEE BELOW

Appearance and Odor: BOTH LIQUID AND GASEOUS ARGON ARE COLORLESS AND ODORLESS.

## Stability

Stability Indicator/Materials to Avoid: YES

NK \*VAP DENS: @ 68F/20C, 1 ATM 0.104

Stability Condition to Avoid: NK \*SPECIFIC GRAVITY: @ BOILING POINT, 1

ATM 87.40

Hazardous Decomposition Products: NK \*SOLUBILITY IN WATER: @ 68F/20C, 1

ATM 3.35% BY VOLUME

## Disposal

Waste Disposal Methods: ALLOW LIQUID ARGON TO EVAPORATE IN WELL VENTILATED OUTDOOR LOCATION. DO NOT ATTEMPT TO DISPOSE OF RESIDUAL ARGON IN COMPRESSED GAS CYLINDERS. RETURN CYLINDERS TO AIR PRODUCTS WITH RESIDUAL PRESSURE, CYLINDER VALVE TIGHTLY CLOSED & VALVE CAPS IN PLACE

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