

AIR PRODUCTS AND CHEMICALS, INC. -- ARGON, LAR (LIQUID ONLY) -- 6830-00-281-8808

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Product Identification  
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Product ID:ARGON, LAR (LIQUID ONLY)

MSDS Date:07/10/1986

FSC:6830

NIIN:00-281-8808

MSDS Number: BHDGX

=== Responsible Party ===

Company Name:AIR PRODUCTS AND CHEMICALS, INC.

Address:2043 S 35TH ST

Box:538

City:ALLENTOWN

State:PA

ZIP:18105

Country:US

Info Phone Num:215-481-4911

Emerg

ency Phone Num:1-800-523-9374 IN PA:1-800-322-9092

CAGE:00742

=== Contractor Identification ===

Company Name:AIR PRODUCTS AND CHEMICALS INC

Address:7201 HAMILTON BLVD

Box:City:ALLENTOWN

State:PA

ZIP:18195-1501

Country:US

Phone:800-345-3148/ 800-752-1597

CAGE:00742

Company Name:OXYGEN SALES AND SERVICE INC

Address:2043 S 35TH ST

Box:11393

City:TACOMA

State:WA

ZIP:98411-0393

Country:US

CAGE:5H199

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Composition/Information on Ingredients  
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Ingred Name:ARGON, LAR(LIQUID O

NLY)  
CAS:7440-37-1

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Hazards Identification  
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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 ASPHYXIANT 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.

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First Aid Measures  
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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.

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Accidental Release Measures  
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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

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Handling and Storage  
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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  
COMPR

ESSED GASES.AVOID EXPO SURE TO AREAS WITH CORROSIVE CHEMICALS.

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

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.

VENTSTO BE HIGHER THAN NORMAL CONCENTRATION OF ARGON IN WORK AREA

Protective Gloves:LOOSE-FITTING GLOVES/IMPERMIABLE MAT

ERIA

Eye Protection:SAFETY GLASSES OR CHEMICAL GOGGLES

Supplemental Safety and Health

NK

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===== Physical/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 LIWUID AND GASEOUS ARGON ARE COLORLESS AND ODORLESS.

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

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

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

Waste Disposal Methods:ALLOW LIQUID ARGON TO EVAPORATE IN WELL VENTILATEDOUTDOOR LOCATION. DO NOT ATTEMPT TO DISPOSE OF RESIDUAL ARGON IN COMPRESSED GAS CYLINDERS. RETURN CYLINDERS TO AIR PRODUCTS WITH RESIDUAL PRESSURE, CYLINDER VA

LVE TIGHTLY CLOSED &  
VALVE CAPS IN PLAC

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