

AIR PRODUCTS AND CHEMICALS INC. -- ARGON, OR LAR (IN CRYOGENIC LIQUID STATE) --  
6830-00-290-4291

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

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

MSDS Date:03/01/1990

FSC:6830

NIIN:00-290-4291

MSDS Number: BTTGN

=== Responsible Party ===

Company Name:AIR PRODUCTS AND CHEMICALS INC.

Address:7201 HAMILTON BLVD

City:ALLENTOWN

State:PA

ZIP:18195-1501

Country:US

I

nfo Phone Num:215-481-6311 OR 215-481-7711

Emergency Phone Num:800-523-9374 (800-322-9092 IN PA)

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

===== Composition/Information on Ingredients =====

Ingred Name:ARGON

CAS:7440-37-1

Fraction by Wt: >99.9%

Other REC Limits:NONE

===== Hazards Identific

ation =====

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 NONTOKIC, BUT MAY PRODUCE  
SUFFOCATION BY DILUTING OXYGEN IN AIR BELOW LEVELS NECESSARY TO  
SUPPORT LIFE. OXYGEN LEVELS SHOULD NOT FALL BELOW 19.5%. EXTENSIVE  
TISSUE DAMAGE OR BURNS CAN RESULT FROM EXPOSURE TO LIQUID ARGON OR  
COLD ARGON VAPORS.

Explanation of Carcinogenicity:NOT APPLICABLE.

Effects of Ov

erexposure:LOSS OF BALANCE, DIZZINESS, NAUSEA, VOMITING,  
UNCONSCIOUSNESS AND DEATH. NOTE! ARGON ASPHYXIATION MAY OCCUR  
WITHOUT WARNING.

Medical Cond Aggravated by Exposure:NONE KNOWN.

===== First Aid Measures =====

First Aid:INHALATION:REMOVE TO FRESH AIR. GIVE OXYGEN OR ARTIFICIAL  
RESPIRATION IF NEEDED. GET PROMPT QUALIFIED MEDICAL HELP.

===== Fire Fighting Measures =====

Flash Point:NON-FLAMMABLE

Extinguish

ing Media:NONFLAMMABLE, INERT GAS. USE APPROPRIATE MEDIA FOR  
SURROUNDING FIRE.

Fire Fighting Procedures:EVACUATE PERSONNEL.USE WATER SPRAY TO COOL  
FIRE EXPOSED CYLINDERS.HMIS SUGGESTS ALWAYS USING A SELF-CONTAINED  
BREATHING APPARATUS WHEN FIGHTING A CHEMICAL FIRE.

Unusual Fire/Explosion Hazard:CONTAINER MAY RUPTURE FROM HEAT.

===== Accidental Release Measures =====

Spill Release Procedures:EVACUATE ALL PERSONNEL FROM AFFECTED AREA. USE  
APPROPRIATE PR

OTECTIVE EQUIP.IF LEAK IS IN CONTAINER VALVE, CONTACT  
YOUR CLOSEST SUPPLIER OR CALL 800-424-9300(CHEMTREC).

Neutralizing Agent:NONE.

===== Handling and Storage =====

Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENTILATED  
AREA. KEEP CYLINDERS UPRIGHT & SECURED. SEGREGATE FULL/EMPTY CYL.  
KEEP CYLINDERS AWAY FROM HEAT SOURCES.

Other Precautions:COMPRESSED GAS CYLINDERS SHOULD NOT BE REFILLED  
EXCEPT BY QUALIFIED PRODUCERS OF COMPRESS

ED GASES. USE A CHECK  
VALVE OR TRAP IN THE DISCHARGE LINE TO PREVENT HAZARDOUS BACK FLOW  
INTO THE CYLINDER.

===== 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:MEHCANICAL

Protective Gloves:LEATHER WORK GLOVES

Eye Protection:SAFETY GOGGLES OR GLASSES

Other Protective Equipment:SAFETY SHOE

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Work Hygienic Practices:USE IN A WELL VENTILATED AREA.

Supplemental Safety and Health

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

HCC:G3

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

Vapor Density:0.104 @68F

Spec Gravity:1.38

Evaporation Rate & Reference:GAS

Solubility in Water:SLIGHT

Appearance and Odor:BOTH GAS AND LIQUID ARE COLORLESS AND ODORLESS.

Percent Volatiles by Volume:100

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

Stability Indicator/Mate

rials to Avoid:YES

NONE

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:NONE

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

Waste Disposal Methods:DO NOT ATTEMPT TO DISPOSE OF WASTE OR UNUSED  
QUANTITIES. RETURN IN THE SHIPPING CONTAINER PROPERLY LABELED, WITH  
VALVE OUTLET PLUGS OR CAPS SECURED AND VALVE PROTECTION CAP IN  
PLACE TO YOUR SUPPLIER. CALL SUPPLIER FOR EMERGENCY DISPOSAL  
ASSISTANCE.

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