

AIRCO, DIVISION OF THE BOC GROUP, INC. -- ARGON -- 6830-00-290-4291

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

Product ID:ARGON

MSDS Date:03/01/1986

FSC:6830

NIIN:00-290-4291

MSDS Number: BKBCR

=== Responsible Party ===

Company Name:AIRCO, DIVISION OF THE BOC GROUP, INC.

Address:575 MOUNTAIN AVENUE

City:MURRAY HILL

State:NJ

ZIP:07974

Country:US

Info Phone Num:201-464-8100

Emergency Phone Num:800-424-9300

CHEMTREC

CAGE:IO644

=== Contractor Identification ===

Company Name:AIRCO INC, AIRCO INDUSTRIAL GASES DIV.

Address:575 MOUNTAIN AVE

Box:City:MURRAY HILL

State:NJ

ZIP:07974-2006

Country:US

Phone:800-424-9300(CHEMTREC)

CAGE:00741

Company Name:AIRCO, DIVISION OF THE BOC GROUP, INC.

Address:575 MOUNTAIN AVENUE

City:MURRAY HILL

State:NJ

ZIP:07974

Country:US

Phone:201-464-8100

CAGE:IO644

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

Ingred Name:ARGON

CAS:7440-37-1

RTECS #:CF23

00000  
Other REC Limits:NONE SPECIFIED  
ACGIH TLV:ASPHYXIAN; 9192

===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Health Hazards Acute and Chronic:EFFECTS OF EXPOSURE TO HIGH  
CONCENTRATIONS SO AS TO DISPLACE THE OXYGEN IN AIR NECESSARY FOR  
LIFE MAY INCLUDE ANY, ALL OR NONE OF THE FOLLOWING: TINGLING OF THE  
TONGUE, FINGERTIPS OR TOES, WEAKENED SPEECH LEADING TO THE  
INABILITY TO UTTER SOUNDS, RAPID REDUC-  
TION IN THE ABILITY TO  
PERFORM MOVEMENTS, REDUCED CONSCIOUS-  
Effects of Overexposure:NESS OF THE SURROUNDINGS, LOSS OF TACTILE  
SENSATIONS, HEIGHTENED MENTAL ACTIVITY. ARGON IS NONTOXIC BUT THE  
LIBERATION OF A LARGE AMOUNT IN A CONFINED AREA COULD DISPLACE THE  
AMOUNT OF OXYGEN IN AIR NECESSARY TO SUPPORT LIFE. IT IS  
POSSIBLE THAT NONE OF THE ABOVE SYMPTOMS MAY OCCUR IN ARGON ASPHYXIA  
WITH NO WARNING..

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

First Aid:PROMPT MEDICAL ATTENTION IS MANDATORY IN ALL CASES OF  
OVEREXPOSURE TO ARGON. INHALE: CONSCIOUS PERSONS SHOULD BE ASSISTED  
TO AN UNCONTAMINATED AREA AND INHALE FRESH AIR. QUICK REMOVAL FROM  
THE CONTAMINATED AREA IS MOST IMPORTANT. UNCONSCIOUS PERSONS  
SHOULD BE MOVED TO AN UNCONTAMINATED AREA, GIVEN ARTIFICIAL  
RESPIRATION AND SUPPLEMENTAL OXYGEN. MEDICAL ATTENTION SHOULD BE  
SOUGHT IMMEDIATELY.

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

Extinguishing Media:NONFLAMMABLE, INERT GAS

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

Spill Release Procedures:EVACUATE ALL PERSONNEL FROM AFFECTED AREA. USE  
APPROPRIATE PROTECTIVE EQUIPMENT. LEAK IN EQUIP: PURGE PIPING WITH  
AN INERT GAS PRIOR TO REPAIR.IF LEAK IS IN CONTAINER/CONTAINER  
VALVE, CONTACT THE CLOSEST AIRCO LOCATION OR CALL CHEMTREC:  
800-424-9300.

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

Handling and Storage Precautions

autions:PROTECT FROM PHYSICAL DAMAGE. STORE IN COOL, DRY, WELL-VENTILATED AREA AWAY FROM HEAVILY TRAFFICKED AREAS AND EMERGENCY EXITS. NO TEMP ABOVE 130F.  
Other Precautions:CYLINDERS TO BE STORED UPRIGHT & FIRMLY SECURED TO PREVENT FALLING OR BEING KNOCKED OVER. FULL & EMPTY CYLINDERS SHOULD BE SEGREGATED. ROTATE STOCK. USE ONLY IN WELL-VENTILATED AREAS. VALVE PROTECTION CAPS MUST REMAIN IN PLACE UNLESS

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

Re  
spiratory Protection:POSITIVE PRESSURE AIRLINE WITH MASK OR SELF-CONTAINED BREATHING APPARATUS SHOULD BE AVAILABLE FOR EMERGENCY USE.

Ventilation:LOCAL EXHST:PREVENT ACCUMULATION OF HIGH CONCEN SO AS TO REDUCE THE OXYGEN LEVEL IN THE AIR TO LESS THAN 18 MOLAR PERCENT

Protective Gloves:ANY MATERIAL.

Eye Protection:SAFETY GOGGLES OR GLASSES.

Other Protective Equipment:SAFETY SHOES.

Work Hygienic Practices:ARGON IS NONCORROSIVE-MAY BE USED W/ANY COMMON STRUCTURAL MATERIAL. CYLINS NOT TO BE FILLED BY ANYBODY BUT PRODUCERS.

Supplemental Safety and Health

CNTNR IS SECURED W/VALVE OUTLET PIPED TO USE POINT. DO NOT DRAG,SLIDE,ROLL CYLINDERS. USE PROPER HAND TRUCK FOR CYLIN MOVEMENT. USE PRESSURE REDUCING REGULATOR FOR CONNECTING CYLIN TO LOWER PRESSURE ( 3,000 PSIG) PIPING/SYSTEMS. DO NOT HEATCYLIN TO INCREASE DISCHARGE RATE. USE CHECK VALVE/TRAP IN DISCHARGE LINE.

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

HCC:G3

Boiling Pt:B.P.

Text:-303F,-186C

Melt/Freeze Pt:M.P/F.P Text:-309F,-189C

Vapor Pres:>-188.1F

Spec Gravity:1.38 @ 70F

Solubility in Water:VERY SLIGHTLY

Appearance and Odor:COLORLESS, ODORLESS GAS

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

Stability Indicator/Materials to Avoid:YES

Hazardous Decomposition Products:NONE

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

Waste Disposal Methods:DO NOT ATTEMPT TO DISPOSE OF RESIDUAL/UNUSED QUANTITIES. RETURN IN THE SH

IPPING CONTAINER PROPERLY LABELED, WITH  
ANY VALVE OUTLET PLUGS OR CAPS SECURED AND VALVE PROTECTION CAP IN  
PLACE TO AIRCO FOR P ROPER DISPOSAL.

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  
doc  
ument should seek competent professional advice to verify and  
assume responsibility for the suitability of this information to their  
particular situation.