

ARGON

MSDS Number

BHDJC

National Stock Number

6830-00-290-4291

Product Name

ARGON

Manufacturer

NATIONAL WELDERS SUPPLY CO INC

Product Identification

Product ID:ARGON
MSDS Date:11/20/1988
FSC:6830
NIIN:00-290-4291
MSDS Number: BHDJC

Responsible Party

NATIONAL WELDERS SUPPLY CO INC
810 GESCO
CHARLOTTE , NC 28231
US
Emergency Phone: 800-866-4422/800-424-9300(CHEMTREC)
Info Phone: 704-333-5475(X308)/FAX 344-1711
Cage: 18264

Contractor

NATIONAL WELDERS SUPPLY CO INC
31007
CHARLOTTE, NC 28231
US
704-333-5475
Cage: 18264

Ingredients

ARGON
CAS: 7440-37-1

Hazards

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 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 SHOULD ALSO BE RECOGNIZED THAT IT IS POSSIBLE THAT N ONE OF THE SYMPTOMS MAY OCCUR IN ARGONASPHYXIA SO THAT THERE ARE NO DEFINITE WARNING SYMPTOMS.
Effects of Overexposure:ANY, ALL, OR NONE OF THE ABOVE COULD OCCUR
RESULTING FROM ARGON DISPLACED OXYGENSYMPTOMS: DIZZINESS; FOREHEAD TIGHTNESS; TINGLING OF TONGUE, FINGERTIPS, & TOES;WEAKENED SPEECH;RAPID REDUCTION IN ABILI TY TO PERFORM MOVEMENTS;REDUCED CONSCIOUSNESS OF THE SURROUNDINGS; LOSS OF TACTILE SENSATIONS; HEIGHTENED MENTAL ACTIVITY

First Aid

First Aid: PROMPT MEDICAL ATTENTION IS MANDATORY IN ALL CASES OF OVEREXPOSURE TO ARGON. RESCUERS SHOULD BE EQUIPPED WITH SELF-CONTAINED BREATHING APPARATUS. CONSCIOUS PERSONS SHOULD BE ASSISTED TO AN UNCONTAMINATED AREA & INHALE FRESH AIR. QUICK REMOVAL FROM THE CONTAMINATED AREA IS MOST IMPORTANT. UNCONSCIOUS PERSONS SHOULD BE MOVED TO AN UNCONTAMINATED AREA, GIVEN CPR, AND SUPPLEMENTAL OXYGEN.

Fire Fighting

Extinguishing Media: NONFLAMMABLE, INERT GAS

Accidental Release

Spill Release Procedures: EVACUATE ALL PERSONNEL FROM AFFECTED AREA. USE APPROPRIATE PROTECTIVE EQUIPMENT. IF LEAK IS IN CONTAINER OR CONTAINER VALVE, CONTACT CLOSEST SUNOX LOCATION.

Handling

Handling and Storage Precautions: USE/STORE IN COOL, DRY, WELL-VENTILATED AREA. PROTECT CYLINDERS FROM PHYS. DAMAGE. CYL. SHOULD BE STORED SECURELY & UPRIGHT. SEGREGATE FULL/EMPTY CYLINDERS. Other Precautions: KEEP CYLINDERS AWAY FROM ALL SOURCES OF HEAT. ARGON IS HEAVIER THAN AIR & LEAKING GAS COULD ACCUMULATE IN LOW AREAS AND CAUSE SUFFOCATION WITHOUT WARNING. COMPRESS CYLINDERS SHOULD NOT BE REFILLED EXCEPT BY QUALIFIED PRODUCERS OF COMPRESS GASES

Exposure Controls

Respiratory Protection: POSITIVE PRESSURE AIR LINE WITH MASK OR SELF-CONTAINED BREATHING APPARATUS SHOULD BE AVAILABLE FOR EMERGENCY USE.
Ventilation: TO PREVENT ACCUMULATION OF HIGH CONCENTRATIONS SO AS TO REDUCE THE OXY LEVEL IN AIR TO LESS THAN 18 MOLAR PERCENT.
Protective Gloves: ANY MATERIAL
Eye Protection: SAFETY GOGGLES OR GLASSES
Other Protective Equipment: SAFETY SHOES
Supplemental Safety and Health
ARGON IS NONCORROSIVE AND MAY BE USED WITH ANY COMMON STRUCTURE MATERIAL.

Chemical Properties

HCC: G3
Boiling Pt: B.P. Text: -302F/-185C
Vapor Pres: *SEE BELOW
Vapor Density: *SEE BELOW
Spec Gravity: 1.38
Solubility in Water: VERY SLIGHTLY
Appearance and Odor: COLORLESS, ODORLESS GAS

Stability

Stability Indicator/Materials to Avoid: YES
NK *VAP DENS: .1034 LB/FT³ (1.656 KG/M³)
Stability Condition to Avoid: NK *VAP PRES: @ 70F (21C): ABOVE CRITICAL TEMP OF -188F/-122C

Disposal

Waste Disposal Methods: DO NOT ATTEMPT TO DISPOSE OF RESIDUAL OR UNUSED QUANTITIES. RTN IN THE SHIPPING CONTAINER PROPERLY LABELED, WITH ANY VALVE OUTLET PLUGS OR CAPS SECURE AND VALVE PROTECTION CAP IN PLACE, TO SUNOX FOR PROPER DISPOSAL.

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