

ARGON

MSDS Number

BHDJB

National Stock Number

6830-00-290-4291

Product Name

ARGON

Manufacturer

SUNOX INCORPORATED

Product Identification

Product ID: ARGON
MSDS Date: 04/08/1986
FSC: 6830
NIIN: 00-290-4291
MSDS Number: BHDJB

Responsible Party

SUNOX INCORPORATED
4236 STATESVILLE ROAD
CHARLOTTE , NC 28233
US
Emergency Phone: 803-324-4180
Info Phone: 704-596-6262
Cage: SUNOX

Contractor

SUNOX INCORPORATED
33871
CHARLOTTE, NC 28233
US
704-596-6262
Cage: SUNOX

Ingredients

ARGON
CAS: 7440-37-1
RTECS: CF2300000
ACGIH TLV: ASPHYXIAN; 9192

Hazards

Routes of Entry: Inhalation: YES Skin: NO Ingestion: NO
Reports of Carcinogenicity: NTP: NO IARC: NO OSHA: NO
Health Hazards Acute and Chronic: IT SHOULD BE RECOGNIZED THAT IT IS POSSIBLE THAT NONE OF THE SYMPTOMS MAY OCCUR IN NITROGEN ASPHYXIA SO THAT THERE ARE NO DEFINITE WARNING SYMPTOMS.
Effects of Overexposure: SYMPTOMS INCLUDE: DIZZINESS; FOREHEAD TIGHTNESS; TINGLING OF TONGUE, FINGERTIPS, TOES WEAKENED SPEECH; RAPID REDUCTION IN ABILITY TO PERFORM MOVEMENTS; REDUCED CONSCIOUSNESS OF THE SURROUNDINGS; LOSS OF TACTILE SENSATIONS; HEIGHTENED MENTAL ACTIVITY. ANY, ALL, OR NONE OF THE ABOVE COULD OCCUR RESULTING FROM ARGON DISPLACED OXYGEN

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 THE 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 STRUCTURAL MATERIAL.

Chemical Properties

HCC: G3

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

Vapor Pres: *SEE BELOW

Vapor Density: *SEE BELOW

Spec Gravity: 70F(AIR=1) 1.38

Solubility in Water: 68 FBUNSEN COEF-.0340

Appearance and Odor: COLORLESS, ODORLESS GAS.

Stability

Stability Indicator/Materials to Avoid: YES

NK *VAPOR DENSITY: .1034 LB/FT³ (1.656 KG/M³)

Stability Condition to Avoid: NK *VAPOR PRESSURE: @70F (21.1C) ABOVE THE 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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