View NSN Online: https://aerobasegroup.kr/nsn/6830-01-103-9103

Product ID:LIQUID ARGON MSDS Date:10/01/1985 FSC:6830 NIIN:01-103-9103 **MSDS Number: BZLKC** === Responsible Party === Company Name:LIQUID AIR CORP Address:2121 N CALIFORNIA BLVD City:WALNUT CREEK State:CA ZIP:94596 Country:US Info Phone Num:415-977-6500 Emergency Phone Num:800-231-1366;800-424-9300(CHEMTREC) CAGE: 18260 === Contractor Identification === Company Name: LIQUID AIR CORP ONE CALIFORNIA PLAZA Address:2121 N. CALIFORNIA BLVD Box:City:WALNUT CREEK State:CA ZIP:94596 Country:US Phone:415-977-6500 CAGE:18260

Ingred Name:ARGON CAS:7440-37-1 RTECS #:CF2300000 OSHA PEL:N/K ACGIH TLV:ASPHYXIANT

Ingred Name:SUPDAT:AIR NEC TO SUPPORT LIFE. FROSTBITE EFTS ARE CHANGE IN COLOR OF SKIN TO GRAY/WHITE POSS FOLLOWED BY (ING 3) RTECS # :99999992Z

Ingred Name:ING 2:BLISTERING. NOTE:EXCEPT WHERE SPECIFIED, HLTH HAZ DATA & MOST OF OTHER DATA IN THIS MSDS ARE FOR GASEOUS (ING 4) RTECS #:9999999ZZ

Ingred Name:ING 3:ARGON. ONE VOL OF LIQ ARGON AT ITS BOILING POINT & ATM PRESS WILL VAPORIZE INTO APPROX 840 VOLS OF GASEOUS (ING 5) RTECS #:9999999ZZ

Ingred Name:ING 4:ARGON AT 70F (21.1C) & 1 ATMOSPHERE. RTECS #:9999999ZZ

Ingred Name:FIRST AID PROC:MOVED TO UNCONTAM AREA, GIVEN MOUTH-TO-MOUTH RESUSCITATION & SUPP OXYG. M ED ASSISTANCE SHOULD BE (ING 7) RTECS #:9999999ZZ

Ingred Name:ING 6:SOUGHT IMMED. SKIN:FLUSH AFFECTED AREAS W/LUKEWARM WATER. DO NOT USE HOT WATER. MD SHOULD SEE PATIENT (ING 8) RTECS #:9999999ZZ

Ingred Name:ING 7:PROMPTLY IF CRYOGENIC "BURN" HAS RESULTED IN BLISTERING OF DERMAL SURF/DEEP TISSUE FREEZING. RTECS #:9999999ZZ

Ingred Name:OTHER PREC:BE REFILLED EXCEPT BY QUALIFIED PRDCRS OF THESE PRODS. SHIPMENT OF COMPRESSED GAS CNTNR WHICH HAS NOT(ING 10) RTECS #:9999999ZZ

Ingred N

ame:ING 9:BEEN FILLED BY OWNER/WITH HIS (WRITTEN) CONSENT IS VIOLATION OF FED LAW (49CFR). LIQ ARGON IS DELIVERED TO(ING 11) RTECS #:99999992Z

Ingred Name:ING 10:CUSTOMER INTO STATIONARY VACUUM-JACKETED VESSELS AT CUSTOMER'S LOCATION/IN PORTABLE VACUUM-JACKETED "LIQ"(ING 12) RTECS #:99999992Z

Ingred Name:ING 11:CYLS. STATIONARY CUSTOMER-SITE VESSELS SHOULD BE OPERATED I/A/W MFR'S & LIQ AIR CORP'S INSTRUCTIONS. DO (ING 13) RTECS #:9999999ZZ

Ingred Name: ING 12: NOT ATTEMPT TO REPAIR,

ADJUST/IN ANY OTHER WAY

MODIFY OPERATION OF THESE VESSELS. IF THERE IS MALFUNCTION(ING 14) RTECS #:9999999ZZ

Ingred Name:ING 13:OR OTHER TYPE OF OPERATIONAL PROB W/VESSEL, CONT CLOSEST LIQ AIR CORP LOCATION IMMED. LIQ ARGON CYLS (ING 15) RTECS #:9999999ZZ

Ingred Name:ING 14:SHOULD BE USED ONLY IN WELL-VENTILATED AREAS & I/A/W MFR'S & LIQ AIR CORP'S INSTRUCTIONS. THESE CYLS MUST(ING 16) RTECS #:9999999ZZ

Ingred Name:ING 15:ALWAYS BE KEPT IN UPRIGHT POSITION. SPECIALIZED HAND T

RUCKS ARE NEEDED FOR THEIR MOVEMENT. "FIRST IN- (ING 17) RTECS #:99999992Z

Ingred Name:ING 16:FIRST OUT" INVENTORY SYS SHOULD BE USED W/THESE CYLS. FOR ADDNL HNDLG/STOR RECS CONSULT COMPRESSED GAS (ING 18) RTECS #:9999999ZZ

Ingred Name:ING 16:ASSOC PAMPHLET P-1. ALSO SEE CGA SFTY BULLETIN SB-2 (OXYG DEFICIENT ATMS) & CGA PAMPHLETS P-9 (INERT (ING 19) RTECS #:9999999ZZ

Ingred Name:ING 18:GASES - ARGON, NITROGEN & HELIUM), P-12 (SAFE HNDLG OF CRYOGENIC LIQS) & P-14 (ACCIDENT PREVENT ION IN (ING 20) RTECS #:9999999ZZ

Ingred Name:ING 19:OXYGEN-RICH & OXYGEN-DEFICIENT ATMOSPHERES). RTECS #:99999992Z

Ingred Name:EYE PROT:& FULL LENGTH FACESHIELD . RTECS #:99999992Z

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER. 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 DEFINED AS SIMPLE ASPHY. OXYG LEVELS SHO

ULD BE MAINTAINED AT >18 MOLAR PERCENT AT NORMAL ATM PRESS WHICH IS EQUIV TO PARTIAL PRESS OF 135 MM HG. EFTS OF EXPOS TO HIGH CONCS SO AS TO DISPLACE OXYG IN AIR NEC FOR LIFE MAY INCL ANY, ALL/NONE OF FOLLOWING:LOSS OF BALANCE & DIZZ; TIGHTNESS IN (EFTS OF OVEREXP)
Explanation of Carcinogenicity:NOT RELEVANT
Effects of Overexposure:HLTH HAZ:FRONTAL AREA OF FOREHEAD; TINGLING OF TONGUE, FINGERTIPS/TOES; WEAKENED SPEECH LEADING TO INABILITY TO UTTER SOUNDS; RAPID REDUCTIO
N IN ABILITY TO PERFORM MOVEMENTS;
REDUCE CONSCIOUSNESS OF S URROUNDS; LOSS OF TACTILE SENSATIONS; HEIGHTENED MENTAL ACTIVITY. IT SHOULD BE RECOGNIZED THAT IS IS POSS THAT (SUPDAT)
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.
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First Aid:PROMPT MED ATTN IS MANDATORY IN ALL CASES OF OVEREXP TO ARGON. RESCUE PERS SHOULD BE EQUIPPED W/NIOSH/MSHA APPRVD SCBA. INGEST:CALL MD IMMED . EYES:IM MED FLUSH W/POTABLE WATER FOR MIN OF
15 MINS, SEEK ASSISTANCE FROM MD. INHAL:CONSCIOUS PERS SHOULD BE ASSISTED TO UNCONTAM AREA & INHALE FRESH AIR. QUICK REMOVAL FROM CONTAM AREA IS MOST IMPORTANT. UNCONSCIOUS PERS SHOULD BE (ING 6)
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Fire Fighting Procedures:USE NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT .

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Spill Release Procedures:NONE SPECIFIED BY MANUFACTURER. Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling and Storage Precautions:DO NOT STORE CYLS IN SUB-SURF/CLSD AREAS. ARGON IS HVR/AIR & LEAKING GAS COULD ACCUM IN LOW AREAS & CAUSE SUFFOCATION W/OUT WARNING.
Other Precautions:LIQ ARGON CANNOT BE HNDLD IN CARBON/LOW ALLOY STEELS. 18-8 & 18-10

STAINLESS STEELS ARE ACCEPT AS ARE COPPER & ITS ALLOYS, NICKEL & ITS ALLOYS, BRASS, BRONZE, SILICON ALLOYS, MONEL, INCONEL & BERYLLIU M. LIQUEFIED GAS CYLS SHOULD NOT (ING 9)

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

Respiratory Protection:NIOSH/MSHA APPROVED POSITIVE PRESSURE AIR LINE W/MASK OR SELF-CONTAINED BREATHING APPARATUS SHOULD BE AVAILABLE FOR EMERGENCY USE.
Ventilation:LOCAL EXHAUST:TO PREVENT ACCUM OF HIGH CONCS SO AS TO REDUCE OXYGEN L
EVEL IN AIR TO 188.12F
Solubility in Water:0.034 @ 20C
Appearance and Odor:CLEAR, SLIGHTLY TINTED LIQUID; ODORLESS.

Stability Indicator/Materials to Avoid:YES NONE. Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER. Hazardous Decomposition Products:NONE.

Waste Disposal Methods:DISPOSAL MUST BE I/A/W FEDERAL, STATE & LOCAL REGULATIONS .

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