

AIRGAS -- METHANE/ARGON -- 6830-00-060-2793

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

Product ID:METHANE/ARGON
 MSDS Date:05/01/1990
 FSC:6830
 NIIN:00-060-2793
 MSDS Number: BTZTT
 === Responsible Party ===
 Company Name:AIRGAS
 Address:100 MATSONFORD ROAD
 City:RADNOR
 State:PA
 ZIP:19087
 Country:US
 Info Phone Num:215-687-5253
 Emergency Phone Num:215-687-5253
 CAGE:0DHP5
 === Contractor Identification ===
 Company Name:AIRGAS
 Address:100 MATSONFORD ROAD
 Box:City:RADNOR
 State:PA
 ZIP:19087
 Country:US
 Phone:215-687-5253
 CAGE:0DHP5

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

Ingred Name:METHANE (METHANE DEFINED AS SIMPLE ASPHYXIANT. MAINTAIN
 OXYGEN LEVELS AT >18 MOLAR % AT NORMAL ATMOSPHERIC PRESSURE)
 CAS:74-82-8
 RTECS #:PA1490000
 Fraction by Wt: 10%
 Other REC Limits:NONE RECOMMENDED

Ingred Name:ARGON (ARGON IS DEFINED AS SIMPLE ASPHYXIANT. MAINTAIN
 OXYGEN LEVELS AT >18 MOLAR % AT NORMAL ATMOSPHERIC PRESSURE)
 CAS:7440-37-1
 RTECS #:CF2300000
 Fraction by Wt: 90%
 Other REC Limits:NONE RECOMMENDED

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

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
 Health Hazards Acute and Chronic:INHALATION: HIGH CONCENTRATIONS SO AS
 TO EXCLUDE ADEQUATE SUPPLY OF OXYGEN TO LUNGS CAUSES DIZZINESS,
 DEEPER BREATHING DUE TO AIR HUNGER, POSSIBLE NAUSEA & EVENTUAL
 UNCONSCIOUSNESS. INACTIVE BIOLOGICAL & ESSENTIALLY NONTOXIC;
 THEREFORE, MAJOR PROPERTY IS EXCLUSION OF SUPPLY OF OXYGEN TO
 LUNGS.
 Medical Cond Aggravated by Exposure:PERSONS IN ILL HEALTH WHERE SUCH
 ILLNESS WOULD BE AGGRAVATED BY EXPOSURE SHOULD NOT BE ALLOWED TO
 WORK WITH HANDLE THIS PRODUCT.

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

First Aid:PROMPT MEDICAL AID MANDATORY. RESCUE PERSONNEL SHOULD BE EQUIPPED W/SCBA & BE COGNIZANT OF EXTREME FIRE & EXPLOSION HAZARD. INHALATION: CONSCIOUS PERSONS SHOULD BE ASSISTED TO AN UNCONTAMINATED AREA & INHALE FRESH AIR. QUICK REMOVAL IMPORTANT. UNCONSCIOUS PERSONS SHOULD BE MOVED TO UNCONTAMINATED AREA, GIVEN MOUTH TO MOUTH RESPIRATION & OXYGEN. FURTHER TREATMENT SHOULD BE SYMPTOMATIC & SUPPORTIVE.

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

Flash Point Method:CC
Flash Point:-306F,-188C
Autoignition Temp:Autoignition Temp Text:1076 F
Lower Limits:5
Upper Limits:15
Extinguishing Media:WATER, CARBON DIOXIDE, DRY CHEMICAL
Fire Fighting Procedures:IF POSSIBLE, STOP FLOW OF METHANE. USE WATER SPRAY TO COOL SURROUNDING CONTAINERS. FORMS EXPLOSIVE OR FLAMMABLE MIX W/MOST OXIDIZERS (OXYGEN,CHLORINE,FLUORINE).
Unusual Fire/Explosion Hazard:SHOULD FLAME BE EXTINGUISHED & FLOW OF GAS CONTINUE, INCREASE VENT TO PREVENT FLAMMABLE OR EXPLOSIVE MIXTURE FORMATION. IS FLAMMABLE OVER A WIDE RANGE IN AIR.

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

Spill Release Procedures:EVACUATE ALL PERSONNEL FROM AFFECTED AREA. USE APPROPRIATE PROTECTIVE EQUIPMENT. IF LEAK IS IN USER'S EQUIPMENT, BE CERTAIN TO PURGE PIPING WITH INERT GAS PRIOR TO ATTEMPTING REPAIRS. IF LEAK IN CONTA INER OR CNTNR VALVE, CONTACT SUPPLIER OR EMERG #.

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

Handling and Storage Precautions:USE ONLY IN VENTED AREAS.SECURE VALVE PROTECTION CAPS IN PLACE UNLESS CONTAINER SECURED W/VALVE OUTLET PIPED TO USE POINT.DON'T DRAG,SLIDE,ROLL CYLNR
Other Precautions:USE HAND TRUCK TO MOVE. USE PRESSR REDUCING REGULATOR WHEN CONECTING CYLINDER TO LOWER PRESSURE (<3000 PSIG) PIPING OR SYSTEMS. DON'T HEAT CYLNR TO INCREASE DISCHARGE RATE. USE A CHECK VALVE OR TRAP IN DISCHARGE LINE TO PREVENT BACK FLOW.*

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

Respiratory Protection:POSITIVE RPESSURE AIR LINE WITH MASK OR SCBA SHOULD BE AVAILABLE FOR EMERGENCY USE. * FOR ADDITIONAL HANDLING RECOMMENDATIONS, CONSULT COMPRESSED GAS ASSOCIATION'S GAS ASSOCIATION'S PAMPH LETS P-1,P-14,& SAFETY BULLETIN SB-2. **
Ventilation:HOOD W/FORCES VENTILATION. LOCAL EXHAUST:TO PREVENT ACCUMULATION ABOVE LEL. MECHANICAL:IN ACCORDANCE W/ELECTRICAL CODES.
Protective Gloves:PLASTIC OR RUBBER
Eye Protection:SAFETY GOGGLES OR GLASSES
Other Protective Equipment:SAFETY SHOES, SAFETY SHOWER, EYEWASH "FOUNTAIN"
Work Hygienic Practices:N/K ** PROTECT FROM DAMAGE.STORE IN COOL, DRY, VENTED AREA OF NON COMBUSTIBLE CONSTRUCTN TRAFFICKED & EMERG EXITS.***
Supplemental Safety and Health

*** DON'T STORE >130 F;STORE UPRIGHT & SECURED TO PREVENT
FALLING.SEGRATE FULL & EMPTY CNTNR.USE 1ST IN/1ST OUT INVENTORY
SYSTEM.POST"NO SMOKING/OPEN FLAMES"SIGNS IN STORAGE/USE AREA.NO
IGNIT SOURCES IN STORAGE/USE AREA.EARTH GROUND & BONDLINES &
EQUIP.NON SPARK/EXPLOSN PROOF TOOLS.GAS PRODUCERS ONLY REFILL.

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

HCC:G2
Boiling Pt:B.P. Text:-259F,-161C
Melt/Freeze Pt:M.P/F.P Text:-297F,-183C
Solubility in Water:SLIGHT
Appearance and Odor:COLORLESS, ODORLESS GAS

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

Stability Indicator/Materials to Avoid:YES
OXIDIZERS
Hazardous Decomposition Products:NONE

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

Waste Disposal Methods:DO NOT DISPOSE OF WASTE OR UNUSED QUANTITIES.
RETURN IN SHIPPING CONTAINER PROPERLY LABELED, WITH ANY VALVE
OUTLET PLUGS OR CAPS SECURED AND VALVE PROTECTION CAP IN PLACE TO
SUPPLIER. FOR EMERGENCY DI SPSOAL ASSISTANCE, CONTACT SUPPLIER OR
EMERG #.

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