

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 MO

LAR % 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 BIOLOGICALLY &

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: CON

SCIOUS 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 Re

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 CONTAINER OR CONTAINER 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 CYLINDER

Other Precautions:USE HAND TRUCK TO MOVE. USE PRESSURE REDUCING REGULATOR WHEN CONNECTING CYLINDER TO LOWER PRESSURE (130 F);STORE UPRIGHT & SECURED TO PREVENT

FALLING.SEGREGATE FULL & EMPTY CONTAINER.USE 1ST IN/1ST OUT INVENTORY SYSTEM.POST"NO SMOKING/OPEN FLAMES"SIGNS IN STORAGE/USE AREA.NO IGNITION SOURCES IN STORAGE/USE AREA.EARTH GROUND & BONDING LINES & EQUIPMENT.NON SPARK/EXPLOSION 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 DISASTROUS ASSISTANCE, CONTACT SUPPLIER OR EMERG #.

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 disc

laims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.