

P-10 GAS MIXTURE (10%CH4/90%AR)

MSDS Number

BHCMM

National Stock Number

6830-00-060-2793

Product Name

P-10 GAS MIXTURE (10%CH4/90%AR)

Manufacturer

AIR PRODUCTS AND CHEMICALS INC

Product Identification

Product ID:P-10 GAS MIXTURE (10%CH4/90%AR)

MSDS Date:08/19/1987

FSC:6830

NIIN:00-060-2793

MSDS Number: BHCMM

Responsible Party

AIR PRODUCTS AND CHEMICALS, INC.

ALLENTOWN , PA 18105

US

Emergency Phone: 1-800-322-9092

Info Phone: 215-481-8257

Cage: 00742

Contractor

OXYGEN SALES AND SERVICE INC

11393

TACOMA, WA 98411-0393

US

800-345-3148/ 800-752-1597

Cage: 5H199

Ingredients

METHANE

CAS: 74-82-8

RTECS: PA1490000

Fraction By Weight: 10%

ACGIH TLV: ASPHYXIAN; 9192

ARGON

CAS: 7440-37-1

RTECS: CF2300000

Fraction By Weight: 90%

ACGIH TLV: ASPHYXIAN; 9192

Hazards

Health Hazards Acute and Chronic:INHALATION: CONSCIOUS PERSONS SHOULD

BE ASSISTED TO AN UNCONTAMINATED AREA AND INHALE FRESH AIR. QUICK REMOVAL FROM THE CONTAMINATED AREA IS MOST IMPORTANT. UNCONSCIOUS PERSONS SHOULD BE MOVED TO AN UNCONTAMINATED AREA, GIVEN MOUTH-TO-MOUTH RESUSCITATION AND SUPPLEMENTAL OXYGEN. MEDICAL ASSISTANCE SHOULD BE SOUGHT IMMEDIATELY.

Explanation of Carcinogenicity: AIR PRODUCTS RECOMMENDS TREATING P-10 GAS MIXTURES AS A SIMPLE ASPHYXIANT.

Effects of Overexposure: PROMPT MEDICAL ATTENTION IS REQUIRED IN ALL CASES OF OVEREXPOSURE TO P-10 MIXTURES, RESCUE PERSONNEL SHOULD BE EQUIPPED WITH APPROPRIATE PROTECTIVE EQUIPMENT TO PREVENT UNNECESSARY EXPOSURE.

Medical Condition Aggravated by Exposure: EFFECTS OF EXPOSURE TO ASPHYXIATING CONCENTRATIONS ARE HEADACHES, DIZZINESS, LABORED BREATHING AND EVENTUAL UNCONSCIOUSNESS.

First Aid

First Aid: MIXTURE 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.

Fire Fighting

Extinguishing Media: ANY BOIL POINT = CH₄ = 258.6F (-161.4C); AR = -302.58F (-185.88C)

Fire Fighting Procedures: WITHOUT RISK, MOVE CYLINDERS AWAY FROM FIRE AREA. FROM A SAFE DISTANCE, COOL SURROUNDING CYLINDERS WITH WATER SPRAY UNTIL WELL AFTER FIRE IS OUT.

Unusual Fire/Explosion Hazard: CYLINDERS EXPOSED TO FIRE OR INTENSE HEAT MAY VENT RAPIDLY OR EXPLODE.

Accidental Release

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 AN INERT GAS PRIOR TO ATTEMPTING REPAIRS. IF LEAK IS IN CYLINDER OR CYLINDER VALVE CALL 800 EMERGENCY NUMBER.

Neutralizing Agent: NONE LISTED.

Handling

Handling and Storage Precautions: USE ONLY IN WELL VENTILATED AREAS. VALVE PROTECTION CAPS MUST REMAIN IN PLACE UNLESS CYLINDER IS SECURED WITH VALVE OUTLET PIPED TO USE POINT.

Other Precautions: PROTECT CYLINDERS FROM PHYSICAL DAMAGE. STORE IN COOL, DRY, WELL-VENTILATED AREA, AWAY FROM HEAVILY TRAVELED AREAS AND EMERGENCY EXITS. DO NOT ALLOW THE TEMPERATURE WHERE CYLINDERS ARE STORED TO EXCEED 125F. STORE UPRIGHT. USE FIFO METHOD.

Exposure Controls

Respiratory Protection: POSITIVE PRESSURE AIR MASK OR SELF-CONTAINED BREATHING APPARATUS SHOULD BE AVAILABLE FOR EMERGENCY USE.

Ventilation: USE HOOD WITH FORCED VENTILATION AND/OR LOCAL EXHAUST TO PREVENT ACCUMULATION OF HIGH CONCENTRATIONS.

Protective Gloves: AS REQUIRED.

Eye Protection: SAFETY GOGGLES OR GLASSES.

Other Protective Equipment: SAFETY SHOES.

Work Hygienic Practices: NONE LISTED.

Supplemental Safety and Health

P-5 MIXTURE IS NONCORROSIVE AND MAY BE USED WITH ANY COMMON STRUCTURAL MATERIAL.

Chemical Properties

Boiling Point: B.P. Text: SEE BELOW

Solubility in Water: NEGLIGIBLE

Appearance and Odor: COLORLESS, ODORLESS GAS. SPECIFIC GRAVITY (AIR=1) IS ABOUT 1.25.

Stability

Stability Indicator/Materials to Avoid: YES

NONE KNOWN.

Stability Condition to Avoid:NONE KNOWN.

Hazardous Decomposition Products:NONE KNOWN.

Disposal

Waste Disposal Methods:ALL FED,ST AND LOCAL REGULATIONS REGARDING HEALTH AND POLLUTION SHOULD BE FOLLOWED IN WASTE DISPOSAL CONTACT THE SUPPLIER FOR SPECIFIC RECOMMENDATIONS.DO NOT DISPOSE OF UNUSED QUANTITIES.

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