

NITROGEN

MSDS Number

BQMCT

National Stock Number

6830-00-292-0131

Product Name

NITROGEN

Manufacturer

AIRCO INC AIRCO INDUSTRIAL GASES DIV

Product Identification

Product ID:NITROGEN
MSDS Date:08/26/1992
FSC:6830
NIIN:00-292-0131
MSDS Number: BQMCT

Responsible Party

AIRCO INC, AIRCO INDUSTRIAL GASES DIV.

575 MOUNTAIN AVE

MURRAY HILL , NJ 07974-2006

US

Emergency Phone: 800-424-9300 (CHEMTREC)

Info Phone: 908-464-8100

Cage: 00741

Contractor

AIRCO INC, AIRCO INDUSTRIAL GASES DIV.

MURRAY HILL, NJ 07974-2006

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Ingredients

NITROGEN

CAS: 7727-37-9

RTECS: QW9700000

Fraction By Weight: 100%

ACGIH TLV: ASPHYXIAN; 9293

Hazards

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:NITROGEN IS A SIMPLE ASPHYXIAN.
NITROGEN IS NONTOXIC, BUT IF RELEASED IN QUANTITY IN A CONFINED
SPACE, IT CAN REDUCE THE OXYGEN LEVEL TO BELOW THAT NECESSARY TO
SUSTAIN LIFE. CONTACT WITH LIQUID NITR OGEN MAY CAUSE FROSTBITE OR
FREEZING OFTHE TISSUE.
Explanation of Carcinogenicity:MFR GAVE THE ABOVE LISTINGS ON THE MSDS
BUT NO OTHER COMMENTS WERE RECORDED.
Effects of Overexposure:EFFECTS OF HIGH CONCENTRATIONS WHICH REDUCE
OXYGEN TO BELOW THAT NECESSARY FOR LIFE: LOSS OF BALANCE, TIGHTNESS

IN FRONTAL AREA OF FOREHEAD, TINGLING OF TONGUE, FINGERTIPS, TOES, WEAKENED SPEECH, INABILITY TO UTTER SOUNDS, REDUCED ABILITY FOR MOVEMENT OR CONSCIOUSNESS, LOSS OF TACTILE SENSATION, INCREASED MENTAL ACTIVITY

Medical Condition Aggravated by Exposure: MFR GAVE NO INFORMATION ON MSDS.

First Aid

First Aid: INHALATION: QUICK REMOVAL FROM CONTAMINATED AREA IS ESSENTIAL. REMOVE UNCONSCIOUS OR ASSIST CONSCIOUS PERSONS TO AN UNCONTAMINATED AREA. AID OR RESTORE BREATHING AS NEEDED. TREAT SYMPTOMATICALLY & SUPPORTIVELY. LIQUID CONTACT (FROSTBITE): REMOVE CONTAMINATED CLOTHING & FLUSH AREA WITH WARM WATER. *DO NOT USE HOT WATER* GET IMMEDIATE MEDICAL ATTENTION, ESPECIALLY FOR EYES OR IF AREA IS BLISTERED.

Fire Fighting

Flash Point: NON-FLAMMABLE

Extinguishing Media: NONFLAMMABLE, INERT GAS

Fire Fighting Procedures: ELECTRICAL CLASSIFICATION: NONHAZARDOUS

Unusual Fire/Explosion Hazard: MFR GAVE NO INFORMATION ON MSDS.

Accidental Release

Spill Release Procedures: EVACUATE PERSONNEL FROM AFFECTED AREA. USE APPROPRIATE PROTECTIVE EQUIPMENT. PURGE CUSTOMER'S EQUIPMENT WITH INERT GAS BEFORE REPAIR. IF CONTAINER OR CONTAINER VALVE IS LEAKING, CALL CHEMTREC (800-424-9300) OR YOUR CLOSEST AIRCO LOCATION FOR ASSISTANCE.

Neutralizing Agent: MFR GAVE NO INFORMATION ON MSDS.

Handling

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

Other Precautions: DO NOT DRAG, SLIDE OR ROLL CYLINDERS. USE A SUITABLE HAND TRUCK FOR CYLINDER MOVEMENT. USE A PRESSURE REDUCING REGULATOR WHEN CONNECTING CYLINDER TO LOWER PRESSURE (SYSTEM). DO NOT HEAT CYLINDER. USE CHECK VALVE OR TRAP

Exposure Controls

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

Ventilation: LOCAL EXHAUST VENTILATION SUFFICIENT TO PREVENT REDUCTION OF OXYGEN CONTENT OF AIR TO BELOW 19.5%.

Protective Gloves: PROTECTIVE GLOVES OF ANY MATERIAL

Eye Protection: SAFETY GOGGLES OR GLASSES

Other Protective Equipment: SAFETY SHOES

Work Hygienic Practices: OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. USE PROPER CARE WHEN HANDLING AND STORING CYLINDERS.

Supplemental Safety and Health

SPECIAL STORAGE RECOMMENDATIONS: PROTECT CYLINDERS FROM PHYSICAL DAMAGE. STORE IN COOL, DRY WELL-VENTILATED AREA AWAY FROM HEAVILY TRAFFICKED AREAS AND EMERGENCY EXITS. DO NOT ALLOW THE TEMPERATURE WHERE CYLINDERS ARE STORED TO EXCEED 130°F (54°C). STORE UPRIGHT & SECURED. *FOLLOW COMPRESSED GAS ASSOCIATION PROCEDURES.*

Chemical Properties

HCC: G3

NRC/State Lic Num: NONE

Boiling Pt: B.P. Text: -320°F, -196°C

Melt/Freeze Pt: M.P/F.P Text: -346°F, -210°C

Vapor Density: 0.97

Solubility in Water: VERY SLIGHTLY SOLUBLE

Appearance and Odor: COLORLESS GAS, ODORLESS

Stability

Stability Indicator/Materials to Avoid: YES

MFR GAVE NO INFORMATION ON MSDS.

Stability Condition to Avoid:MFR GAVE NO INFORMATION ON MSDS.

Hazardous Decomposition Products:MFR GAVE NO INFORMATION ON MSDS.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

Disposal

Waste Disposal Methods:DO NOT ATTEMPT TO DISPOSE OF RESIDUAL OR UNUSED QUANTITIES. RETURN IN THE SHIPPING CONTAINER,PROPERLY LABELED & VALVE PROTECTION CAP IN PLACE TO AIRCO FOR PROPER DISPOSAL. FOR EMERGENCY DISPOSAL, CALL YOUR CLOSEST AIRCO LOCATION OR CHEMTRAC.

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