

NITROGEN

MSDS Number

BTVCB

National Stock Number

6505-00F036020

Product Name

NITROGEN

Manufacturer

AIRCO INC AIRCO INDUSTRIAL GASES DIV

Product Identification

Product ID:NITROGEN
MSDS Date:08/15/1989
FSC:6505
NIIN:00F036020
MSDS Number: BTVCB

Responsible Party

AIRCO INC AIRCO INDUSTRIAL GASES DIV

575 MOUNTAIN AVENUE

NEW PROVIDENCE , NJ 07974-2006

US

Emergency Phone: 908-464-8100

Info Phone: 908-464-8100

Cage: 83956

Contractor

AIRCO INC, AIRCO INDUSTRIAL GASES DIV.

MURRAY HILL, NJ 07974-2006

US

800-424-9300(CHEMTREC)

Cage: 00741

Ingredients

NITROGEN

CAS: 7727-37-9

RTECS: QW9700000

Fraction By Weight: >99%

ACGIH TLV: ASPHYXIAN

Hazards

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHALATION: NITROGEN IS A SIMPLE ASPHYXIAN. LIBERATION OF LARGE AMOUNT IN A CONFINED AREA COULD DISPLACE THE AMOUNT OF OXYGEN IN AIR NECESSARY TO SUPPORT LIFE. SKIN: CONTACT W/LIQUID PRODUCT MAY CAUSE FROSTBITE. EYES: CONTACT W/LIQUID MAYCAUSE TISSUE FREEZING.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:LOSS OF BALANCE/DIZZINESS, TIGHTNESS IN FRONTAL AREA OF FOREHEAD, TINGLING OF TONGUE/FINGERTIPS/TOES, WEAKEND SPEECH LEADING TO INABILITY TO UTTER SOUNDS, RAPID REDUCTION IN

ABILITY TO PERFORM MOVEMENTS, REDUCED CONSCIOUSNESS OF SURROUNDINGS, LOSS OF TACTILE SENSATIONS, HEIGHTENED MENTAL ACTIVITY.

First Aid

First Aid:INHALATION: REMOVE TO FRESH AIR. GIVE CPR/OXYGEN IF NEEDED. TREAT SYMPTOMATICALLY & SUPPORTIVELY. SKIN: FLUSH W/LUKEWARM WATER. DON'T USE HOT WATER. EYES: REMOVE VICTIM FROM SOURCE OF CONTAMINATION. OPEN EYELIDS WIDE TO ALLOW LIQUID TO EVAPORATE. DON'T WASH W/HOT/TEPID WATER. IF VICTIM CAN'T TOLERATE LIGHT, PROTECT W/LIGHT BANDAGE. OBTAIN MEDICAL ATTENTION IN ALL CASES.

Fire Fighting

Flash Point:NON-FLAMMABLE

Accidental Release

Spill Release Procedures:EVACUATE AREA. USE APPROPRIATE PROTECTIVE EQUIPMENT. IF LEAK IS IN USER'S EQUIPMENT, BE CERTAIN TO PURGE PIPING W/AN INERT GAS PRIOR TO ATTEMPTING REPAIRS. IF LEAK IS IN CONTAINER/CONTAINER VALVE, CONTACT CHEMTREC FOR EMERGENCY ASSISTANCE.

Handling

Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENTILATED AREA. DON'T ALLOW TEMP TO EXCEED 125F. STORE UPRIGHT & FIRMLY SECURED TO PREVENT FALLING/BEING KNOCKED OVER. Other Precautions:USE ONLY IN WELL VENTILATED AREAS. DON'T DRAG, SLIDE/ROLL CYLINDERS. PROTECT CYLINDERS FROM PHYSICAL DAMAGE. NEVER CARRY A COMPRESSED GAS CYLINDER/CONTAINER OF A GAS IN CRYOGENIC LIQUID FORM IN AN ENCLOSED SPACE. (SEE SUPP)

Exposure Controls

Respiratory Protection:WEAR A POSITIVE PRESSURE AIR LINE W/MASK/SCBA IN EMERGENCIES. Ventilation:LOCAL EXHAUST: TO PREVENT ACCUMULATION OF HIGH CONCENTRATIONS SO AS TO REDUCE OXYGEN LEVEL IN AIR TO Protective Gloves:REQUIRED Eye Protection:SAFETY GOGGLES/GLASSES Other Protective Equipment:SAFETY SHOES Work Hygienic Practices:REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. Supplemental Safety and Health OTHER PRECAUTIONS: DON'T HEAT CYLINDER BY ANY MEANS TO INCREASE DISCHARGE RATE OF PRODUCT FROM CYLINDER. USE A "FIRST-IN FIRST-OUT" INVENTORY SYSTEM TO PREVENT FULL CYLINDERS BEING STORED FOR EXCESSIVE PERIODS OF TIME. USE A SUITABLE HAND TRUCK FOR CYLINDER MOVEMENT.

Chemical Properties

Boiling Pt:B.P. Text:-320.4F
Melt/Freeze Pt:M.P/F.P Text:-345.9F
Vapor Density:0.97
Solubility in Water:SLIGHT
Appearance and Odor:COLORLESS GAS W/NO ODOR.

Stability

Stability Indicator/Materials to Avoid:YES

Disposal

Waste Disposal Methods:DON'T TRY TO DISPOSE OF WASTE/UNUSED QUANTITIES. RETURN IN SHIPPING CONTAINER PROPERLY LABELED W/VALVE OUTLET PLUGS/CAPS SECURED & VALVE PROTECTION CAP IN PLACE TO AIRCOW IAW/FEDERAL, STATE & LOCAL REGULATIONS. NONFLAMMABLE GAS UN1006.

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