

NITROGEN

MSDS Number

CHHMN

National Stock Number

6830-00-192-9067

Product Name

NITROGEN

Manufacturer

AIRCO INC AIRCO INDUSTRIAL GASES DIV

Product Identification

Product ID:NITROGEN
MSDS Date:06/07/1996
FSC:6830
NIIN:00-192-9067
MSDS Number: CHHMN

Responsible Party

AIRCO INC, AIRCO INDUSTRIAL GASES DIV.

575 MOUNTAIN AVE

MURRAY HILL , NJ 07974-2006

US

Emergency Phone: 908-464-8100/800-424-9300(CHEMTREC)

Info Phone: 800-734-5463

Cage: 00741

Contractor

BOC GASES OF AMERICA

CHESAPEAKE, VA 23324

US

757-545-2486

Cage: 091K6

Ingredients

NITROGEN

CAS: 7727-37-9

RTECS: QW9700000

Fraction By Weight: 99.5%MIN

ACGIH TLV: ASPHYXIA NT; 9596

Hazards

LD50 LC50 Mixture:NOT RELEVANT

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:TARGET ORGANS:LUNGS, CNS. ACUTE- ASPHYXIA NT. INHALE:AT 2-3% CONCENTRATION, SYMPTOMS OF ASPHYXIA OCCURS; 3-5% CAUSES INCREASED RESPIRATION & HEADACHE; UP TO 15% CAUSES UNCONSCIOUSNESS. HIGHER CONCENTRA TIONS CAUSE RAPID CIRCULATORY INSUFFICIENCY LEADING TO COMA & DEATH.

EYE/SKIN/ORAL:UNLIKELY (GAS). CHRONIC- UNKNOWN.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:HEADACHE, RAPID RESPIRATION, REDUCED

CONSCIOUSNESS OF SURROUNDINGS, RINGING IN THE EARS, LOSS OF BALANCE OR DIZZINESS, TINGLING OF THE TONGUE, FINGERTIPS OR TOES, TIGHTNESS IN THE FRONTAL AREA OF THE FOREHEAD, WEAKENED SPEECH LEADING TO THE INABILITY TO UTTER SOUNDS, NAUSEA, UNCONSCIOUSNESS, DEATH

First Aid

First Aid:PROMPT MEDICAL ATTENTION IS MANDATORY IN ALL CASES OF OVEREXPOSURE. RESCUE PERSONNEL SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS. INHALED:REMOVE TO FRESH AIR. PROVIDE OXYGEN/CPR IF NEEDED. EYE/SKIN /ORAL:UNLIKELY (GAS)

Fire Fighting

Flash Point:NONE

Lower Limits:NOT RELEVANT

Upper Limits:NOT RELEVANT

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL FOR SURROUNDING FIRE. KEEP FIRE-EXPOSED CYLINDERS COOL WITH WATER.

Fire Fighting Procedures:AS WITH ANY FIRE, WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS IF NEEDED.

Unusual Fire/Explosion Hazard:CYLINDERS MAY RUPTURE VIOLENTLY.

Accidental Release

Spill Release Procedures:EVACUATE ALL PERSONNEL FROM AFFECTED AREA. USE APPROPRIATE PROTECTIVE EQUIPMENT. VENTILATE AREA. IF LEAK IS FROM CYLINDER OR ITS VALVE, CONTACT SUPPLIER. THE ATMOSPHERE MUST HAVE AT LEAST 19.5% OXYGEN BEFORE PERSONNEL CAN BE ALLOWED IN THEAREA.

Neutralizing Agent:NOT RELEVANT

Handling

Handling and Storage Precautions:STORE CYLINDERS UPRIGHT, SECURE, IN COOL, DRY, VENTILATED AREA BELOW 125F. PROTECT FROM PHYSICAL DAMAGE. FULL & EMPTY CYLINDERS SHOULD BE SEGREGATED.

Other Precautions:AVOID BREATHING GASES. KEEP OUT OF REACH OF CHILDREN. USE IN WELL VENTILATED AREA.

Exposure Controls

Respiratory Protection:IF OXYGEN LEVEL IS BELOW 19.5%, USE NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS OR SUPPLIED AIR RESPIRATOR, OPERATED IN POSITIVE PRESSURE MODE.

Ventilation:ADEQUATE

Protective Gloves:LEATHER WHEN HANDLING CYLINDERS

Eye Protection:GOGGLES/GLASSES RECOMMENDED

Other Protective Equipment:SAFETY SHOES WHEN HANDLING CYLINDERS

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

Supplemental Safety and Health

Chemical Properties

HCC:G3

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:-320F,-196C

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

Vapor Density:0.97

Spec Gravity:0.8083 (LIQUID)

Viscosity:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT (GAS)

Solubility in Water:VERY SLIGHT

Appearance and Odor:COLORLESS GAS - ODORLESS

Percent Volatiles by Volume:100

Stability

Stability Indicator/Materials to Avoid:YES

NONE

Stability Condition to Avoid:HEATING CYLINDER

Hazardous Decomposition Products:NONE

Disposal

Waste Disposal Methods:DO NOT ATTEMPT TO DISPOSE OF RESIDUAL OR UNUSED QUANTITIES. RETURN IN THE SHIPPING CONTAINER PROPERLY LABELED, WITH ANY VALVE OR CAPS SECURED TO YOUR SUPPLIER FOR PROPER DISPOSAL.

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