

AIRCO INC, AIRCO INDUSTRIAL GASES DIV. -- NITROGEN -- 6830-00-192-9067

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Product Identification  
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Product ID:NITROGEN

MSDS Date:06/07/1996

FSC:6830

NIIN:00-192-9067

MSDS Number: CHHMN

=== Responsible Party ===

Company Name:AIRCO INC, AIRCO INDUSTRIAL GASES DIV.

Address:575 MOUNTAIN AVE

City:MURRAY HILL

State:NJ

ZIP:07974-2006

Country:US

Info Phone Num:908-464-8100/FOR MSDS:800-734-5463

Em

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

CAGE:00741

=== Contractor Identification ===

Company Name:AIRCO INC, AIRCO INDUSTRIAL GASES DIV.

Address:575 MOUNTAIN AVE

Box:City:MURRAY HILL

State:NJ

ZIP:07974-2006

Country:US

Phone:800-424-9300(CHEMTREC)

CAGE:00741

Company Name:BOC GASES OF AMERICA

Address:4323 BAINBRIDGE BLVD

Box:City:CHESAPEAKE

State:VA

ZIP:23324

Country:US

Phone:757-545-2486

CAGE:091K6

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Composition/Information on Ingredients  
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Ingred Name:NI

TROGEN  
CAS:7727-37-9  
RTECS #:QW9700000  
Fraction by Wt: 99.5%MIN  
Other REC Limits:NONE RECOMMENDED  
ACGIH TLV:ASPHYXIAN; 9596

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===== Hazards Identification =====

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-  
ASPHYXIAN. INHALE:AT 2-3% CONCENTRATION, SYMPTOMS OF ASPHYXIA  
OCCURS; 3-5% CAUSES INCREASE  
D 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 SPE  
ECH LEADING TO  
THE INABILITY TO UTTER SOUNDS, NAUSEA, UNCONSCIOUSNESS, DEATH

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===== First Aid Measures =====

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)

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===== Fire Fighting Measures =====

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.

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===== Accidental Release Measures =====

Spill Release Procedures:EVACUATE ALL PERSONNE

L 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 THE AREA.

Neutralizing Agent:NOT RELEVANT

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===== Handling and Storage =====

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.

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===== Exposure Controls/Personal Protection =====

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

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===== Physical/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)

So

lubility in Water:VERY SLIGHT

Appearance and Odor:COLORLESS GAS - ODORLESS

Percent Volatiles by Volume:100

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===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

NONE

Stability Condition to Avoid:HEATING CYLINDER

Hazardous Decomposition Products:NONE

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===== Disposal Considerations =====

Waste Disposal Methods:DO NOT ATTEMPT TO DISPOSE OF RESIDUAL OR UNUSED QUANTITIES. RETURN IN THE SHIPPING CONTAINER P

ROPERLY LABELED, WITH

ANY VALVE OR CAPS SECURED TO YOUR SUPPLIER FOR PROPER DISPOSAL.

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