

AIRCO -- HELIUM -- 6830-00-263-9842

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===== Product Identification =====

Product ID:HELIUM
MSDS Date:11/01/1986
FSC:6830
NIIN:00-263-9842
MSDS Number: BPQSB
=== Responsible Party ===
Company Name:AIRCO
Address:575 MOUNTAIN AVE
City:MURRAY HILL
State:NJ
ZIP:07974
Country:US
Info Phone Num:908-464-8100
Emergency Phone Num:908-464-8100;800-424-9300(CHEMTREC)
CAGE:AIRCO

==== Contractor Identification ==

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Company Name:AIRCO
Address:575 MOUNTAIN AVE
Box:NA
City:MURRAY HILL
State:NJ
ZIP:07974
Country:US
Phone:201-464-8100
CAGE:AIRCO
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

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===== Composition/Information on Ingredients =====

Ingred Name:HELIUM
CAS:7440-59-7
RTECS #:MH6520000
Fraction by Wt: 100%
ACGIH TLV:SIMPLE ASPHYXIAN

Ingred Name:SUPP DATA: TR

AFFICKED AREAS & EMER EXISTS. DO NOT ALLOW
TEMP WHERE CYLINDERS ARE STORED TO EXCEED 130F(54C). (ING 3)
RTECS #:9999999ZZ

Ingred Name:ING 2:CYLINDERS SHOULD BE UPRIGHT & FIRMLY SECURED TO PVNT
FALLING/BEING KNOCKED OVER. FULL & EMPTY CYLINDERS (ING 4)
RTECS #:9999999ZZ

Ingred Name:ING 3:SHOULD BE SEGREGATED. USE A "FIRST IN-FIRST OUT"
INVENTORY SYS TO PVNT FULL CYLINDERS BEING STORED FOR (ING 5)
RTECS #:9999999ZZ

Ingred Name:ING 4: EXCESS PERIODS OF TIME. FOR ADDNL RECOM, CONSULT
COMPRESSED GAS ASSOC PAMPHLETS P-1, P-9, P-14, & SFTY (ING 6)
RTECS #:9999999ZZ

Ingred Name:ING 5:BULLETIN SB-2. COMPRESSED GAS CYLINDERS SHOULD NOT BE
REFILLED EXCEPT BY QUALIFIED PRODUCERS OF COMPRESSED (ING 7)
RTECS #:9999999ZZ

Ingred Name:ING 6:GASES. SHIPMENT OF COMPRESSED GAS CYLINDER WHICH HAS
NOT BEEN FILLED BY OWNER OR W/HIS (WRITTEN) CONSENT IS (ING8)
RTECS #:9999999ZZ

Ingred Name:ING 7: A VIOLATION OF FEDERAL LAW(49CFR).
RTECS #:9999999ZZ

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Identification =====

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EFTS OF EXPOSURE TO HIGH
CONCENTRATIONS SO AS TO DISPLACE O*2 IN AIR NECESSARY FOR LIFE ARE
HEADACHE, DIZZINESS, LABORED BREATHING & EVENTUALLY UNCON.
BREATHING MIXTURES OF HELIUM W/ADEQUATE O*2 TO SU PPORT LIFE
MODIFIES VOICE SOUND SO THATIT IS HIGHER
"PITCHED".
Explanation of Carcinogenicity:NOT RELEVANT
Effects of Overexposure:SEE HEALTH HAZARDS.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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First Aid Measures =====

First Aid:INHAL: CONSCIOUS PERSON SHOULD BE ASSISTED TO AN UNCONTAMD
AREA & INHALE FRESH AIR. QUICK REMOVAL FROM CONTAMD AREA IS MOST
IMPORTANT. UNCON PERSON SHOULD BE MOVED TO AN UNCONTAM AREA, GIVE
MOUTH-TO-M OUTH RESUSCITATION & SUPPLEMENTAL O*2.

FURTHER TRTMT

SHOULD BE SYMPTOMATIC & SUPPORTIVE. INGEST: CALL MD IMMED . SKIN:
FLUSH W/COPIOUS AMTS OF H*2O. CALL MD . EYES: IMMED FLUSH (SUPP
DATA)

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Fire Fighting Measures
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Extinguishing Media:NONFLAMMABLE, INERT GAS. MEDIA SUITABLE FOR
SURROUNDING FIRE .

Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA AND FULL
PROTECTIVE EQUIPMENT .

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Accidental Release Measures
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Spill Release Proce

dures:EVACUATE ALL PERSONNEL FROM AFFECTED AREA. USE
APPROPRIATE PROTECTIVE EQUIPMENT. IF LEAK IS IN CONTAINER OR
CONTAINER VALVE, CONTACT CHEMTREC FOR EMERGENCY ASSISTANCE OR YOUR
CLOSEST AIRCO LOCATION.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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Handling and Storage
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Handling and Storage Precautions:USE ONLY IN WELL-VENTD AREAS. VALVE
PROT CAPS MUST REMAIN IN PLACE UNLESS CONTR IS SECURED W/VALVE
OUTLET PIPED TO USE P

T.

Other Precautions:DO NOT DRAG/SLIDE/ROLL CYLINDERS. USE A SUITABLE HAND
TRUCK FOR CYLINDER MOVEMENT. USE PRESS REDUCING REGULATOR WHEN
CONNECTING CYLINDER TO LOWER PRESS (