

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 (