

AIR PRODUCTS AND CHEMICALS INC. -- HELIUM -- 6830-00-782-2656

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Product Identification
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Product ID:HELIUM

MSDS Date:03/01/1994

FSC:6830

NIIN:00-782-2656

MSDS Number: CBQLM

=== Responsible Party ===

Company Name:AIR PRODUCTS AND CHEMICALS INC.

Address:7201 HAMILTON BLVD

City:ALLENTOWN

State:PA

ZIP:18195-1501

Country:US

Info Phone Num:215-481-4911

Emergency Phone Num:800-523-9374

CAGE:0074

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=== Contractor Identification ===

Company Name:AIR PRODUCTS AND CHEMICALS INC

Address:7201 HAMILTON BLVD

Box:City:ALLENTOWN

State:PA

ZIP:18195-1501

Country:US

Phone:800-345-3148/ 800-752-1597

CAGE:00742

Company Name:AIR PRODUCTS AND CHEMICALS INC

Address:2900 52ND AVE

Box:City:HYATTSVILLE

State:MD

ZIP:20781-1103

Country:US

Phone:610-481-6333

CAGE:56028

Company Name:SPECIALTY GAS TECHNOLOGY

Address:10207-D CHAPEL HILL RD

Box:City:MORRISVILLE

Phone:800-876-9581

CAGE:0Y5M5

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Composi

tion/Information on Ingredients =====

Ingred Name:HELIUM
CAS:7440-59-7
RTECS #:MH6520000
Fraction by Wt: 100%
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:HELIUM IS A SIMPLE ASPHYXIANT.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:HELIUM IS NON-TOXIC, ODORLESS,
COLORLESS, NON-FLAMMABLE GAS STORED IN CYLINDERS A
T HIGH PRESSURE.
IT CAN CAUSE RAPID SUFFOCATION WHEN CONCENTRATIONS ARE SUFFICIENT
TO REDUCT OXYGEN LEVELS TO BELOW 19. 5%. IT IT LIGHTER THAN AIR &
MAY COLLECT IN HIGH POINTS OR ALONG CIELINGS. SCBA MAY BE REQUIRED
BY RESCUE WORKERS.
Explanation of Carcinogenicity:HELIUM IN NOT LISTED AS A CARCINOGEN OR
POTENTIAL CARCINOGEN BY NTP, IARC OR OSHA SUBPART Z.
Effects of Overexposure:EYE:NO ADVERSE EFFECT. SKIN:NO ADVERSE EFFECT.
INHALATION:NON-TOXIC. MAY CAUSE SUFFOCATION. M
AY CAUSE DIZZINESS,
NAUSEA, VOMITING, EXCESSIVE SALVATION, DIMINISHED MENTAL ALERTNESS,
LOSS OF CONSCIOUSNE SS, DEATH.
Medical Cond Aggravated by Exposure:NONE

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

First Aid:EYE/SKIN CONTACT:NOT APPLICABLE. INHALATION"PERSONS SUFFERING
FROM LACK OF OXYGEN SHOULD BE MOVED TO FRESH AIR. AID OR RESTORE
BREATHING AS NEEDED. GET IMMEDIATE MEDICAL ATTENTION.

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

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Autoignition Temp:Autoignition Temp Text:NONE
Lower Limits:NONE
Upper Limits:NONE
Extinguishing Media:HELIUM IS NON-FLAMMABLE & DOES NOT SUPPORT
COMBUSTION. USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING
FIRE.
Fire Fighting Procedures:HELIUM IS A SIMPLE ASPHYXIANT. IF POSSIBLE
REMOVE HELIUM CYLINDERS FROM FIRE AREA OR COOL W/WATER.
SELF-CONTAINED BREATHING APPARATUSMAY BE REQUIRED FOR RESCUE.
Unusual Fire/Explosion Hazard:CYLINDER MAY VENT RAPIDLY OR RUPTURE
VIO

LENTLY. MOST CYLINDERS ARE DESIGNED TO VENT AT ELEVATED
TEMPERATURES. CYLINDER MAY RUPTURE IF RELIEF VALVE FAILS.

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

Spill Release Procedures:EVACUATE ALL PERSONNEL. INCREASE VENTILATION &
MONITOR OXYGEN LEVEL. USE SELF-CONTAINED BREATHING APPARATUS. IF
LEAK IS FROM CONTAINER OR ITS VALVE, CALL AIR PRODUCTS' EMERGENCY
TELEPHONE NUMBER. IF L EAK IS IN USER'S SYSTEM, CLOSE CYLINDER&
VENT.

Neutralizing Agent:MFR

GAVE NO INFORMATION OF MSDS.

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

Handling and Storage Precautions:STORE CYLINDERS UPRIGHT IN A WELL
VENTILATED, SECURE AREA PROTECTED FROM WEATHER. KEEP TEMPERATURE