

AIR PRODUCTS AND CHEMICALS, INC. -- AIR;COMPRESSED AIR;COMPRESSED AIR,BREATHING QUALITY -- 6830-01-264-2660

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

Product ID:AIR;COMPRESSED AIR;COMPRESSED AIR,BREATHING QUALITY

MSDS Date:06/01/1990

FSC:6830

NIIN:01-264-2660

MSDS Number: BXSDK

=== Responsible Party ===

Company Name:AIR PRODUCTS AND CHEMICALS, INC.

Address:7201 HAMILTON BLVD

City:ALLENTOWN

State:PA

ZIP:1

8195-1501

Country:US

Info Phone Num:215-481-4911

Emergency Phone Num:800-623-9974 (800-322-9092 IN PA)

CAGE:00742

=== 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:SPECIALTY GAS TECHNOLOGY

Address:10207-D CHAPEL HILL RD

Box:City:MORRISVILLE

Phone:800-876-9581

CAGE:0Y5M5

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

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Ingred Name:NITROGEN

CAS:7727-37-9

RTECS #:QW9700000

Fraction by Wt: 78%

Other REC Limits:NONE RECOMMENDED

ACGIH TLV:ASPHYXIAN; 9394

Ingred Name:OXYGEN

CAS:7782-44-7

RTECS #:RS2060000

Fraction by Wt: 21%

Other REC Limits:NONE RECOMMENDED

Ingred Name:OTHER ATMOSPHERIC GASES

Fraction by Wt: BALANCE

Other REC Limits:NONE RECOMMENDED

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

:NO

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

Health Hazards Acute and Chronic:AIR IS NONTOXIC & NECESSARY TO SUPPORT LIFE. INHALATION OF AIR @ HIGH PRESSURES CAN RESULT IN SIMILAR SYMPTOMS TO THOSE OF EXPOSURE TO OXYGEN & IN ACCUMULATION OF NITROGEN IN THE BLOOD.

Effects of Overexposure:SIMILAR SYMPTOMS TO THOSE OF EXPOSURE TO OXYGEN. DECOMPRESSION SICKNESS.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

===== First Aid Measure

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First Aid:FACILITIES AT WHICH AIR IS BREATHED UNDER PRESSURE SHOULD BE PREPARED TO DEAL WITH ILLNESS RELATED TO A HYPERBARIC ENVIRONMENT. DECOMPRESSION EQUIPMENT MAY BE REQUIRED.

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

Extinguishing Media:N/A HOWEVER USE APPROPRIATE EXTINGUISHING MEDIA FOR SURROUNDING FIRE/MATERIAL.

Fire Fighting Procedures:N/A HOWEVER USE APPROPRIATE PERSONNEL PROTECTIVE EQPMT AS CONDITIONS WARRANTS.

Unu

sual Fire/Explosion Hazard:COMPRESSED AIR AT HIGH PRESSURE CAN ACCELERATE THE BURNING OF MATERIALS WHICH ARE COMBUSTIBLE AT ATMOSPHERIC PRESSURE.

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

Spill Release Procedures:NO HAZARD.

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

Handling and Storage Precautions:COMPRESSED GAS CYL CONTAIN GAS W/EXTREM HI PRESS;HNDL W/CARE.USE PRESSURE-REDUCING REG WHEN CONNECT TO LOWER PRESSURE EQPMT/PIPE SYS.SECURE WHEN USE.

Other Precautions:NEVER USE DIRECT FLAME TO HEAT CYL.USE CHECK VAL TO PREVENT BACKFLOW INTO STORAGE CNTNR.AVOID DRAG/ROLL/SLIDE CYL;USE HAND TRUCK.REF:COMPRESSED GAS ASSOC PAMPHLET P-1.KEEP AWAY FRM HEAT SOURCE/HEAVY T RAFFIC AREAS.VALVE CAPS ON WHEN (SUPPLE)

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

Respiratory Protection:NONE.

Ventilation:NONE.

Protective Gloves:LEATHER WORK GLOVES.

Eye Protection:SAFETY GLASSES.

Other Protective Equ

ipment:SAFETY TOE SHOES.

Work Hygienic Practices:WEAR APPROPRIATE SAFETY EQUIPMENT.

Supplemental Safety and Health

OTHER PRECAUT:NOT IN USE.STORE AWAY FRM COMBUST MATL/EXPO TO SALT/CORR  
CHEM & W/VALVE UP.SEGREGATE FULL/EMPTY CYL.DO NOT REFILLED EXCEPT  
BY QUALIFIED PRODUCERS OF COMPRESSED GASES.SHIPMENT OF COMPRESS ED  
GAS CYL FILLED W/O PERMISSIN OF OWNER IS VIOLATION OF FED LAW.

===== Physical/Chemical Properties =====

HCC:G3

Boiling Pt:B.P. Text:-318 @1

ATM

Melt/Freeze Pt:M.P/F.P Text:-351F,-213C

Vapor Density:0.07520

Spec Gravity:1.00 @68F,1ATM

Evaporation Rate & Reference:NONE SPECIFIED BY MFG.

Solubility in Water:1.87%BY VOL@68F,1ATM

Appearance and Odor:GASEOUS AIR IS ODORLESS AND COLORLESS.

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

Stability Indicator/Materials to Avoid:YES

NONE.

Stability Condition to Avoid:AVOID THE USE OF OIL IN SYSTEMS AT FULL  
CYLINER PRESSURE.

Hazardous Decomposition Products:NONE.

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

Waste Disposal Methods:DO NOT ATTEMPT TO DISPOSE OF RESIDUAL AIR IN  
COMPRESSED GAS CYLINDERS. RETURN TO AIR PRODUCTS WITH THE CYLINDER  
VALVE TIGHTLY CLOSED, POSITIVE PRESSURE IN THE CYLINDER, AND VALVE  
CAP IN PLACE.

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