

AIR LIQUIDE AMERICA CORPORATION -- AIR-PAK, COMPRESSED AIR -- 4240-01-252-0086
===== Product Identification =====

Product ID: AIR-PAK, COMPRESSED AIR
MSDS Date: 01/30/1997
FSC: 4240
NIIN: 01-252-0086
Status Code: A
MSDS Number: CKHDQ
=== Responsible Party ===
Company Name: AIR LIQUIDE AMERICA CORPORATION
Address: 2700 POST OAK DRIVE
City: HOUSTON
State: TX
ZIP: 77056-8229
Country: US
Info Phone Num: 713-86
8-0440
Emergency Phone Num: (800)424-9300
Resp. Party Other MSDS Num.: 0087
Chemtrec Ind/Phone: (800)424-9300
CAGE: 1L2C3
=== Contractor Identification ===
Company Name: AIR LIQUIDE AMERICA CORPORATION
Address: 2700 POST OAK DRIVE
Box: City: HOUSTON
State: TX
ZIP: 77056-8229
Country: US
Phone: 713-896-2896; 800-231-1366
CAGE: 17688
Company Name: AIR LIQUIDE AMERICA CORPORATION
Address: 2700 POST OAK DRIVE
Box: City: HOUSTON
State: TX
ZIP: 77056-8229
Country: US
Phone: 713-896-2896
CAGE: 1L2C3
Company Name: SCOTT AVIATI

ON, A FIGG INTERNATIONAL CO, MONROE PL

Address:309 W CROWELL ST

Box:City:MONROE

State:NC

ZIP:28110-4668

Country:US

Contract Num:DLA450-93-M-8361

CAGE:15927

Company Name:SCOTT AVIATION, CAGE REPLACED BY CAGE 15927

CAGE:0FXZ3

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===== Composition/Information on Ingredients =====
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Ingred Name:COMPRESSED AIR, (CAS# 132259-10-0)

= Wt:100.

Ingred Name:NITROGEN

CAS:7727-37-9

RTECS #:QW9700000

= Wt:77.56

Code:F

= Vol:79.

Ingred Name:OXYGEN

CAS:7782-44-7

RTECS #:RS2060000

= Wt:22.44

Cod

e:F

= Vol:21.

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===== Hazards Identification =====
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Health Hazards Acute and Chronic:ACUTE: THE MOST SIGNIFICANT HAZARDS ASSOCIATED WITH AIR IS THE PRESSURE HAZARD. CHRONIC: THERE ARE NO KNOWN ADVERSE HEALTH EFFECTS ASSOCIATED WITH CHRONIC EXPOSURE TO THIS GAS. INHALATION: AIR IS NON- TOXIC AND NECESSARY TO SUPPORT LIFE. INHALATION OF AIR IN HIGH PRESSURE ENVIRONMENTS, SUCH AS UNDER WATER DIVING OR HYPERBOLIC CHAMBERS CAN RESULT IN SYMPTOMS

SIMILAR TO OVER-EXPOSURE TO PURE OXYGEN. THESE SYMPTOMS INCLUDE TINGLING OF THE FINGERS AND TOES, ABNORMAL SENSATIONS, ALONG WITH IMPAIRED COORDINATION AND CONFUSION. DECOMPRESSION SICKNESS, "BENDS", IS POSSIBLE FOLLOWING RAPID DECOMPRESSION .

Explanation of Carcinogenicity: AIR IS NOT FOUND ON THE FOLLOWING LISTS: FEDERAL OSHA Z LIST, NTP, CAL/OSHA, IARC, AND THERE FORE NOT CONSIDERED TO BE, NOR SUSPECTED TO BE A CANCER-CAUSING AGENT BY THESE AGENCIES.

Effects of Over

exposure: INHALATION: AIR IS NON-TOXIC AND NECESSARY TO SUPPORT LIFE. INHALATION OF AIR IN HIGH PRESSURE ENVIRONMENTS, SUCH AS UNDERWATER DIVING OR HYPERBOLIC CHAMBERS CAN RESULT IN SYMPTOMS SIMILAR TO OVER-EXP OSURE TO PURE OXYGEN. THESE SYMPTOMS INCLUDE TINGLING OF THE FINGERS AND TOES, ABNORMAL SENSATIONS, ALONG WITH IMPAIRED COORDINATION AND CONFUSION. DECOMPRESSION SICKNESS, "BENDS" IS POSSIBLE FOLLOWIN G RAPID DECOMPRESSION.

Medical Cond Aggravated by Exposure: A KNOWLEDGE OF THE AVAILABLE

INFORMATION SUGGEST THAT OVER-EXPOSURE TO AIR IS UNLIKELY TO AGGRAVATE EXISTING MEDICAL CONDITIONS.

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

First Aid: THE OPPORTUNITY FOR INJURY FROM EXPOSURE TO AIR IS LIMITED TO INHALATION OF AIR IN HIGH PRESSURE ENVIRONMENTS, SUCH AS UNDERWATER DIVING OR HYPERBOLIC CHAMBERS, THE FIRST-AID MEASURES WOULD BE FOR OVE R-PRESSURE ACCIDENTS, OR RAPID DECOMPRESSION-INDUCED DECOMPRESSION SICKNESS. IN THE EEVENT OF SUCH ACCIDENTS, SEEK IMMEDIATE AND QUALIFIED MEDICAL ATTENTION.

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

Extinguishing Media: NON-FLAMMABLE. AIR WILL SUPPORT COMBUSTION OF FLAMMABLE MATERIALS. USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures: INCIPIENT FIRE REponders SHOULD WEAR EYE PROTECTION. STRUCTURAL FIRE-FIGHTERS MUST WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT

. IF POSSIBLE, SHUT-OFF THE FLOW OF AIR SUPPORTI NG FIRE. IMMEDIATELY COOL CYLINGERS WITH WATER SPRAY FROM MAXIMUM DISTANCE. WHEN COOL, MOVE CYLINDERS FROM FIRE.

Unusual Fire/Explosion Hazard: AIR DOES NOT BURN; HOWEVER, CYLINDERS, WHEN INVOLVED IN FIRE, MAY RUPTURE OR BURST IN THE HEAT OF THE FIRE. NOT SENSITIVE TO MECHANICAL IMPACT EXPLOSION SENSITIVITY. NOT SENSITIVE TO STATIC DISCHARGE EXPLOSION SENSITIVITY.

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

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Spill Release Procedures:RELEASES SHOULD BE COVERED BY TRAINED PERSONNEL USING PRE-PLANNED PROCEDURES. PROPER PROTECTIVE EQUIPMENT SHOULD BE USED. CLEAR AFFECTED AREA, PROTECT PEOPLE. MINIMUM PROTECTIVE EQUIPMENT SHOULD BE LE VEL D: SAFETY GLASSES. SEAL SOURCE OF LEAK. IF RELEASE CANNOT BE STOPPED, ALLOW GAS TO VENT IN-PLACE OR REMOVE TO A SAFE AREA TO RELEASE. IF LEAKING FROM CYLINDER OR ITS VALVE, CONTACT SUPPLIER.

===== Handling and Storage

Handling and Storage Precautions:COMPRESSED GASES CAN PRESENT SIGNIFICANT SAFETY HAZARDS. STORE CYLINDERS AWAY FROM HEAVILY TRAFFICKED AREAS AND EMERGENCY EXITS. POST "NO SMOKING OR OPEN FLAMES" SIGNS IN STORAGE OR USE AREAS. PROTECT CYLINDERS AGAINST PHYSICAL DAMAGE. STORE AWAY FROM HEAT, IGNITION SOURCES, OUT OF DIRECT SUNLIGHT.

Other Precautions:STORE IN COOL,UNDER 125F (52C), DRY WELL-VENTILATED, FIREPROOF AREA, AWAY FROM FLAMMABLE OR COMBUSTIBLE MATERIALS AND CORROSIVE ATMOSPHERES. DO NOT STORE NEAR ELEVATORS, CORRIDORS, OR LOADING DOCKS. S TORE CYLINDERS UPRIGHT AND FIRMLY SECURED TO PREVENT FALLING. DO NOT DRAG, SLIDE OR ROLL CYLINDERS.

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

Respiratory Protection:NONE NEEDED.

Ventilation:NONE NEEDED.

Protective Gloves:WEAR GLOVES WHEN HANDLING CYLINDERS OF THIS PRODUCT.

Eye Protection:SAFETY GLASSES.

Other Protective Equipment:USE BODY PROTECTION APPROPRIATE FOR TASK.

SAFETY SHOES ARE RECOMMENDED WHEN HANDLING CYLINDERS.

Supplemental Safety and Health

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

HCC:G3

Boiling Pt:=-194.3C, -317.8F

Melt/Freeze Pt:=-216.2C, -357.2F

M.P/F.P Text:@ 10 PSIG

Vapor Density:0.075 #/F3

Spec Gravity:1

Solubility in Water:0.0292 VOL/VOL

Appearance and Odor:THIS PRODUCT IS A COLORLESS, ODORLESS GAS.

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

Stability Indicator/Mate

rials to Avoid: YES

NORMALLY STABLE IN GASEOUS STATE. AIR WHICH CONTAINS EXCESS OXYGEN MAY PRESENT THE SAME HAZARDS AS LIQUID OXYGEN AND COULD REACT VIOLENTLY WITH ORGANIC MATERIALS, SUCH AS OIL AND GREASES. FUELS MAY FORM EXPLOSIVE MIXTURES IN

Stability Condition to Avoid: AVOID EXPOSING CYLINDERS TO EXTREMELY HIGH TEMPERATURES, WHICH COULD CAUSE THE CYLINDERS TO RUPTURE.

Hazardous Decomposition Products: NONE

Conditions to Avoid Polymerization: WILL NOT OCCUR.

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Toxicological Information =====

Toxicological Information: THERE ARE NO SPECIFIC TOXICOLOGY DATA FOR AIR. CANCER: AIR NOT LISTED: FEDERAL OSHA Z LIST, NTP, CAL/OSHA, IARC, AND NOT CONSIDERED, NOR SUSPECTED TO BE A CANCER-CAUSING AGENT. AIR NOT A SENSITIZER. REPRODUCTIVE TOXICITY INFORMATION: LISTED BELOW IS INFORMATION CONCERNING EFFECTS OF AIR ON HUMAN REPRODUCTIVE SYSTEM: MUTAGENICITY: AIR NOT EXPECTED TO CAUSE MUTAGENIC EFFECTS IN HUMANS. EMBRYOTOXICITY: AIR NOT EXPECTED TO CAUSE EMBRYOTOXIC EFFECTS IN HUMANS. TERATOGENICITY: AIR NOT EXPECTED TO CAUSE TERATOGENIC EFFECTS IN HUMANS. REPRODUCTIVE TOXICITY: AIR NOT EXPECTED TO CAUSE ADVERSE REPRODUCTIVE EFFECTS IN HUMANS.

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Ecological Information =====

Ecological: ENVIRONMENTAL STABILITY: THIS GAS WILL DISSIPATE RAPIDLY IN WELL-VENTILATED AREAS. THE COMPONENTS OF THE GAS MIXTURE ARE STABLE IN THE ENVIRONMENT. NO ADVERSE EFFECT ANTICIPATED TO OCCUR TO PLANT-LIFE, EXCEPT FOR FROST PRODUCED IN THE PRESENCE OF RAPIDLY EXPANDING GASES. NO EVIDENCE OF AN ADVERSE EFFECT OF AIR ON AQUATIC LIFE IS CURRENTLY AVAILABLE.

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Disposal Considerations =====

Waste Disposal Methods: WASTE DISPOSAL MUST BE IN ACCORDANCE WITH APPROPRIATE FEDERAL, STATE, AND LOCAL REGULATIONS. RETURN CYLINDERS WITH ANY RESIDUAL PRODUCT TO AIR LIQUIDE. DO NOT DISPOSE OF LOCALLY. FOR EMERGENCY DISPOS

A L, SECURE CYLINDER AND SLOWLY
DISCHARGE GAS TO ATMOSPHERE IN WELL-VENTILATED AREA OR OUTDOORS,
AWAY FROM ALL SOURCES OF IGNITION.

===== MSDS Transport Information =====

Transport Information: PROPER SHIPPING NAME: AIR, COMPRESSED, CLASS 2.2
(NON-FLAMMABLE GAS), UN 1002, PKG -N/A, DOT LABEL A; NON-FLAMMABLE
GAS. NORTH AMERICA EMERGENCY RESPONSE GUIDEBOOK NUMBER (1996): 122.
AIR IS NOT CLASSIFIED BY THE DOT AS A MARINE POLLUTANT (AS
DEFINED BY 49 CFR 172.101, APPENDIX B). TRANSPORT CANADA
TRANSPORTATION OF DANGEROUS GOODS REGULATIONS: THIS MATERIAL IS
CONSIDERED AS DANGEROUS GOODS. USE ABOVE INFORMATION FOR THE
PREPARATION OF CANADIAN SHIPMENTS.

===== Regulatory Information =====

SARA Title III Information: SARA THRESHOLD PLANNING QUANTITY: NOT
APPLICABLE.

Federal Regulatory Information: TSCA INVENTORY STATUS: AIR IS LISTED ON
THE TSCA INVENTORY. CERCLA REPORTABLE QUANTITIES (R
Q): AOT

APPLICABLE. AIR USP IS REGULATED BY THE FDA AS A PRESCRIPTION DRUG.
AIR DOES NOT CONTAIN ANY CLASS 1 OR CLASS II OZONE DEPLETING
CHEMICALS (40 CFR PART 82). AIR IS NOT SUBJECT TO THE REPORTING
REQUIREMENTS OF SECTION 112(R) OF THE CLEAN AIR ACT. AIR IS LISTED
AS A REGULATED SUBSTANCE, PER 40 CFR PART 58, OF THE RISK
MANAGEMENT FOR CHEMICAL RELEASES. AIR IS NOT LISTED IN APPENDIX A
AS A HIGHLY HAZARDOUS CHEMICAL, PER 29 CFR 1910.119: PROCESS
SAFETY MANAGEMENT OF HIGHLY HAZARDOUS CHEMICALS.

State Regulatory Information: CALIFORNIA PROPOSITION 65: AIR NOT ON
CALIFORNIA PROPOSITION 65 LISTS. AIR IS NOT COVERED UNDER THE
FOLLOWING STATE REGULATIONS: ALASKA-DESIGNATED TOXIC AND HAZARDOUS
SUBSTANCES, CALIFORNIA- PERMISSIBLE EXPOSURE LIMITS FOR CHEMICAL
CONTAMINANTS. FLORIDA- SUBSTANCE LIST. ILLINOIS-TOXIC SUBSTANCE
LIST. KANSAS- SECTION 301/313 LIST. MASSACHUSETTS- SUBSTANCE LIST.
MINNESOTA- LIST OF HAZARDOUS SUBSTANCES. MISSOURI-
EMPLOYER INFORMATION/TOXIC SUBSTANCE LIST. NEW JERSEY- RIGHT-TO-KNOW
HAZARDOUS SUBSTANCE LIST. AIR. NORTH DAKOTA- LIST OF HAZARDOUS
CHEMICALS, REPORTABLE QUANTITIES. (CONT'D OTHER INFORMATION).

===== Other Information =====

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