

AIR LIQUIDE AMERICA CORPORATION -- COMPRESSED AIR -- 4240-01-458-2115

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

Product ID:COMPRESSED AIR

MSDS Date:01/30/1997

FSC:4240

NIIN:01-458-2115

Status Code:A

MSDS Number: CJZZW

=== 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:713-868-0440

Emergency Phon

e Num:(800)424-9300

Chemtec Ind/Phone:(800)424-9300

CAGE:17688

=== 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:SCOTT AVIATION, A FIGG INTERNATIONAL CO, MONROE PL

Address:309 W CROWELL ST

Box:City:MONROE

State:NC

ZIP:28110-4668

Country:US

Contract Num:SP0450-99-F-0597

CAGE:15927

===== Composition/Information on Ingredient

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Ingred Name:AIR (COMPRESSED, ATMOSPHERIC)

CAS:132259-10-0

= Wt:100.

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Health Hazards Acute and Chronic: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 I

NCLUDE TINGLING OF THE FINGERS AND TOES, ABNORMAL SENSATIONS, ALONG WITH IMPAIRED COORDINATION AND CONFUSION. DECOMPRESSION SICKNESS., "BENDS', IS POSSIBLE FOLLOW ING RAPID DECOMPRESSION.

Effects of Overexposure:AN EXPLANATION IN LAY TERMS. OVER-EXPOSURE TO AIR MAY CAUSE THE FOLLOWING HEALTH EFFECTS: THE MOSE SIGNIFICANT ROUTE OF OVER-EXPOSURE FOR AIR IS BY INHALATION AT ELEVATED OR REDUCED PRESSURE. EXPLAN ATION IN LAY TERMS. OVER-EXPOSURE TO AIR MAY CAUSE THE FO

LLOWING HEALTH EFFECTS: ACUTE: THE MOST SIGNIFICANT HAZARDS ASSOCIATED WITH AIR IS THE PRESSURE HAZARD. CHRONIC: THERE ARE CURRENTLY NO KNOW N ADVERSE HEALTH EFFECTS ASSOCIATED WITH CHRONIC EXPOSURE TO THIS GAS.

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

First Aid:AS 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 OVER-PRESSURE ACCIDENTS, OR RAPID DECOMPRESSION-INDUCED DECOMPRESSION SICKNESS. IN THE EVENT OFSUCH ACCIDENTS. SEEK IMMEDIATE AND QUALIFIED MEDICAL ATTENTION.

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

Flash Point:NA

Autoignition Temp:Autoignition Temp Text:NA

Lower Limits:NA

Upper Limits:NA

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

Fire Fighting Procedures:INCIPIENT FIRE RESPONDERS SHOULD WEAR EYE PROTECTION. STRUCTURAL FIREPFIGHTERS MUST WEAR SELF-CONTAINED BREATHING APPARATUS & FULL PROTECTIVE EQUIPMENT. IF POSSIBLE, SHUT-OFF THE FLOW OF AIR SUPPORTIN G THE 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. IMMEDIATELY COOL THE CYLINDERS WITH WATER SPRAY FROM MAXIMUM DISTANCE. WHEN COOL, MOVE CYLIN DERS F
RON FIRE AREA. IF WITHOUT
RISK.

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

Spill Release Procedures:UNCONTROLLED RELEASES SHOULD BE RESPONDED TO BY TRAINED PERSONNEL USING PRE-PLANNED PROCEDURES. PROPER PROTECTIVE EQUIPMENT SHOULD BE USED. IN CASE OF A RELEASE, CLEAR THE AFFECTED AREA. PROTECT PEOPL E, AND RESPOND WITH TRAINED PERSONNEL. MINIMIUM PERSONAL PROTECTIVE EQUIPMENT SHOULD BE LEVEL D: SAFTETY GLASSES. LOCATE AND SEAL THE SOURCE OF THE LEAKING GAS.

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

Handling and Storage Precautions:COMPRESSED GASES CAN PRESENT SIGNIFICANT SAFETY HAZARDS. STORE CYLINDERS AWAY FROM HEAVILY TRAFFICKED AAREAS AND EMERGENCY EXITS. POST "NO SMOKING OR OPEN FLAMES" SIGNS IN STORAGE OR USE AREAS.

Other Precautions:FOLLOW PRACTICES INDICATED IN SECTION 6(ACCIDENTAL RELEASES MEASURES). MAKE CERTAIN APPLICATION EQUIPMENT IS LOCKED AND LAGGED-OUT SAFELY. ALWAYS USE PR
ODUCT IN AREAS WHERE ADEQUATE
VENTILATION IS PRO VIDED.

===== 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.

Work Hygienic Practices:AIR INTENDED FOR BREATHING MUST CONFORM TO CGA STANDAR

D G-7 AND STANDARD G-7-1. AMERICAN NATIONAL STANDARD
COMMODITY SPECIFICATION FOR AIR. ALL OTHER SOURCES OF COMPRESSED
AIR MUST BE TREATED AS UNFIT.

Supplemental Safety and Health

BEFORE USE: MOVE CYLINDERS WITH A SUITABLE HAND-TRUCK. DO NOT DRAG,
SLIDE OR ROLL CYLINDERS. DO NOT DROP CYLINDERS OR PERMIT THEM TO
STRIKE EACH OTHER. SECURE CYLINDERS FIRMLY. LEAVE THE VALVE PROTECT
ION CAP IN-PLACE (WHERE PROVIDED) UNTIL CYLINDER IS READY FOR USE.

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

HCC:G3

Boiling Pt:=-194.3C, -317.8F

Melt/Freeze Pt:=-216.1C, -357.F

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

Vapor Pres:NA

Spec Gravity:1

Evaporation Rate & Reference:NA(NBUAC=1)

Solubility in Water:VOL/VOL@32F=0.292

Appearance and Odor:COLORLESS, ODORLESS GAS.

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

Stability Indicator/Materials to Avoid:YES

FUELS MAY FORM EXPLOSIVE MIXTURES IN AIR.

Stability Condition to Avoid:CONTACT WITH INCOMPATIBLE MATERIALS, AS

LISTED ABOVE. 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.

===== Toxicological Information =====

Toxicological Information:TOXICITY DATA: THERE IS NO SPECIFIC
TOXICOLOGICAL DATA FOR AIR. SUSPECT CANCER AGENT: AIR IS NOT FOUND
ON THE FOLLOWING LISTS: FEDERAL OSHA Z LIST, NTP, CAL/OSHA, IARC,
AN

D THEREFORE IS NOT CONSIDERED TO BE, NOR SUSPECTED TO BE A
CANCER-CAUSING AGENT BY THESE AGENCIES. IRRITANCY OF PRODUCT: NOT
APPLICABLE. SENSITIZATION OF PRODUCT: AIR IS NOT A SENSITIZER.
MUTAGENICITY: IAR IS NOT EXPECTED TO CAUSE MUTAGENIC EFFECTS IN
HUMANS. EMBRYOTOXICITY: AIR IS NOT EXPECTED TO CAUSE EMBRYOTOXIC
EFFECTS IN HUMANS. REPRODUCTIVE TOXICITY: AIR IS NOT EXPECTED TO
CAUSE ADVERSE REPRODUCTIVE EFFECTS IN HUMANS.

===== Ecological Information

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Ecological:ENVIRONMENTAL STABILITY: THIS GAS WILL BE DISSIPATED RAPIDLY IN WELL-VENTILATED AREAS. THE COMPONENTS OF THE GAS MIXTURE ARE STABLE IN THE ENVIRONMENT. EFFECT OF MATERIAL ON PLANTS OR ANIMALS: NO ADVE RSE EFFFECT IS ANTICIPATED TO OCCUR TO PLANT-LIFE, EXCEPT FOR FROST PRODUCED IN THE PRESENCE OF RAPIDLY EXPANDING GASES. EFFECTS OF CHEMICAL ON AQUATIC LIFE: NO EVIDENCE OF AN ADVERSE EFFECTS OF AIR O N AQUATIC LIFE IS CURRENTLY AVAILABLE.

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

Waste Disposal Methods:AFTER USE: CLOSE MAIN CYLINDER VALVE. REPLACE VALVE PROTECTION CAP (WHERE PROVIDED). MARK EMPTY CYLINDERS EMPTY. USE ONLY DOT OR ASME CODE CYLINDERS. CLOSE VALVE AFTER EACH USE AND WHEN EMPTY. CYLINDE RS MUST NOT BE RECHARGED EXCEPT BY OR WITH THE CONSENT OF OWNER.

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

Transport Information:THIS MATERIAL IS HAZARDOUS AS D EFINED BY 49 CFR 172.101 BY THE U.S. DEPARTMENT OF TRANSPORTATION. PROPER SHIPPING NAME: AIR, COMPRESSED. HAZARD CLASS NUMBER & DESCRIPTION: 2.2 (NON-FLAMMABLE GAS). UN IDENTIFICATION NUMBER: UN1002. DOT LABEL(S) REQUIRED: NON-FLAMMABLE GAS. NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER (1996): 122. MARINE POLLUTANT: AIR IS NOT CLASSIFIED BY THE DOT AS A MARINE POLLUTANT. TRANSPORT CANADA TRANSPORTATION OF DANGEROUS GOODS REGULATIONS: THIS MATERIAL IS CONS IDERED AS DANGEROUS GOODS.

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

SARA Title III Information:THIS PRODUCT IS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 302, 304, AND 313 OF TITLE III OF SARA: NOT APPLICABLE.
Federal Regulatory Information:TSCA INVENTORY STATUS: AIR IS LISTED ON THE TSCA INVENTORY.
State Regulatory Information:CALIFORNIA PROPOSITION 65: AIR IS NOT ON THE CALIFORNIA 65 LISTS.

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

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