View NSN Online: https://aerobasegroup.com/nsn/6830-01-392-0222

Product ID:AIR, COMPRESSED (SEE SUPPL)

MSDS Date:05/01/1999

FSC:6830

NIIN:01-392-0222

Status Code:A

MSDS Number: CLHLD === 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:8

00-345-3148/800-752-1597

Emergency Phone Num:800-523-9374

Resp. Party Other MSDS Num.: MSDS #1002

Preparer's Name: NOT PROVIDED.

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 Contract Num:SP0450-01-M-ZE95

CAGE:00742

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

Ingred Name: HYDROGEN (% FROM TIR)

CAS:1333-74-0 RTECS #:M

W8900000 Minumum % Wt:1.98 Maxumum % Wt:2.02 Other REC Limits:NOT PROVIDED. OSHA PEL:NOT ESTABLISHED. ACGIH TLV:NOT ESTABLISHED.
Ingred Name:AIR Fraction by Wt: BALANCE Other REC Limits:NOT PROVIDED OSHA PEL:NOT RELEVANT Code:F ACGIH TLV:NOT RELEVANT Code:F
========= Hazards Identification ===========
LD50 LC50 Mixture:NOT RELEVANT Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic: ACUTE POTENTIAL HEALTH EFFECTS: TARGET ORGANS: NONE. EYE CONTACT: NO ADVERSE EFFECTS. INHALATION: AT ATMOSPHERIC PRESSURE, AIR HAS NO ADVERSE EFFECTS. SKIN CONTACT: NO ADVERSE EFFECTS. POTENTIAL HEALT H EFFECTS OF REPEATED EXPOSURE: SYMPTOMS: NONE. Explanation of Carcinogenicity:NONE Effects of Overexposure:NONE Medical Cond Aggravated by Exposure:NONE
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First Aid:EYE CONTACT: NOT APPLICABLE. SKIN CONTACT: NOT A PPLICABLE. INHALATION: NOT APPLICABLE. INGESTION: NOT APPLICABLE.
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Extinguishing Media: NON-FLAMMABLE GAS MIXTURE. USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures: EVACUATE ALL PERSONNEL FROM AREA. IF POSSIBLE, SHUT OFF FLOW OF AIR WHICH IS SUPPORTING THE FIRE. IF POSSIBLE, REMOVE CYLINDERS FROM FIRE AREA OR COOL WITH WATER. SCBA MAY BE REQUIRED BY RESCUE WORKE RS.

Unusual

Fire/Explosion Hazard:COMPRESSED AIR AT HIGH PRESSURE MAY ACCELERATE COMBUSTION. MOST CYLINDERS ARE DESIGNED TO VENT CONTENTS WHEN EXPOSED TO ELEVATED TEMPERATURES. PRESSURE IN A CYLINDER CAN BUILD UP DUE TO HEAT AND IT MAY RUPTURE IF PRESSURE RELIEF DEVICES SHOULD FAIL TO FUNCTION.

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

Spill Release Procedures:EVACUATE IMMEDIATE AREA. SHUT OFF SOURCE OF LEAK IF POSSIBLE. ISOLATE ANY LEAKING CYLINDER. IF LEAK IS FROM

CONTAINER, PRESSURE RELIEF DEVICE OR ITS VALVE, CONTACT YOUR SUPPLIER. IF LEAK IS IN USER'S SYSTEM, CLOSE CYLINDER VALVE, SAFETY VENT PRESSURE BEFORE ATTEMPTING REPAIRS.

Neutralizing Agent: NOT RELEVANT.

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

Handling and Storage Precautions:CYLINDERS SHOULD BE FIRMLY SECURED AND KEPT AT ROOM TEMPERATURE (21C,70F). CYLINDERS SHOULD BE STORED IN DRY, WELL-VENTILATED AREAS. DO NOT ALLOW THE TEMPERATURE WHE RE

CYLINDERS ARE STORED TO EXCEED 1 25F (52C). PROTECT CYLINDERS AGAINST PHYSICAL DAMAGE. FULL AND EMPTY CYLINDERS SHOULD BE SEGREGATED.

Other Precautions:USE A FIRST-IN, FIRST-OUT SYSTEM. DO NOT DRAG, SLIDE, ROLL OR DROP CYLINDERS. USE A SUITABLE HAND TRUCK FOR CYLINDER MOVEMENT. NEVER ATTEMPT TO LIFT A CYLINDER BY ITS CAP. SECURE CYLINDERS AT ALL TIME S. USE A PRESSURE REDUCING REGULATOR TO SAFELY DISCHARGE GAS FROM CYLINDER.

====== Exposure Controls/Person al Protection ========

Respiratory Protection: NOT REQUIRED.

Ventilation: NOT REQUIRED.

Protective Gloves:LEATHER WORK GLOVES RECOMMENDED WHEN HANDLING CYLINDERS.

Eve Protection: SAFETY GLASSES ARE RECOMMENDED.

Other Protective Equipment:SAFETY SHOES RECOMMENDED WHEN HANDLING CYLINDERS.

Work Hygienic Practices: NOT PROVIDED.

Supplemental Safety and Health

CONTD FROM PRODUCT ID: PART NUMBER/TRADE NAME: HYDROGEN, COMPRESSED.THIS ITEM IS: CALIBRATING GAS MIXTURE, HYDROGEN IN AIR

1.98 TO 2.02 PCT HYDROGEN IN AIR HYDROGEN SHALL BE 99.99 PCT PURE AIR SHALL CONSIST OF 79 PCT OF 99.999 PCT PURE NITROGEN AND 21 PCT OF 99.98 PCT PURE OXYGEN. SHIPPING NAMECOMPRESSED GAS N.O.S.
========= Physical/Chemical Properties ===========
HCC:G3 NRC/State Lic Num:NOT RELEVANT Boiling Pt:=-194.3C, -317.8F Melt/Freeze Pt:=-216.1C, -357.F Decomp Temp:Decomp Text:NOT PROVIDED Vapor Density:1 Spec Gravity:0.0749 LBS/FT3(1.2 KG/M3) Solubility in Water:0.0292 @ 32 F & 1 ATM Appearance and Odor:THIS PRODUCT IS A COLORLESS, ODORLESS GAS MIXTURE. Percent Volatiles by Volume:100
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Stability Indicator/Materials to Avoid:YES NONE
Stability Condition to Avoid:TEMPERATURES IN EXCESS OF 125F (52C), USE OF OIL
Hazardous Decomposition Products:NONE
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Toxicological Information:AIR IS NONTOXIC AND IS NECESSARY TO SUPPORT LIFE.
INHALATION OF AIR IN A HIGH-PRESSURE ENVIRONMENT CAN RESULT IN SYMPTOMS SIMILAR TO OVEREXPOSURE TO OXYGEN. THESE INCLUDE TINGLING OF FINGERS, IMPAIRED COORDINATION AND CONFUSION. DECOMPRESSION DECOMPRESSION FOLIPMENT MAY BE REQUIRED IS EXPOSED.

TO HIGH PRESSURE ENVIRONMENT.

======== Ecological Information ===========

Ecological:NO ADVERSE ECOLOGICAL EFFECTS ARE EXPECTED. AIR DOES NOT CO

NTAIN ANY CLASS TOR CLASS II OZONE DEPLETING CHEMICALS.
======= Disposal Considerations ==========
Waste Disposal Methods:RETURN CONTAINER AND UNUSED PRODUCT TO SUPPLIER. DO NOT ATTEMPT TO DISPOSE OF RESIDUAL OR UNUSED QUANTITIES. FOR EMERGENCY DISPOSAL, SECURE THE CYLINDER AND SLOWLY DISCHARGE GAS TO THE ATMOSPHERE IN A WELL VENTILATED AREA OR OUTDOORS.
========= MSDS Transport Information ===========
Transport Information:DOT SHIPP ING NAME: AIR, COMPRESSED. HAZARD CLASS: 2.2. IDENTIFICATION NUMBER: UN 1002. SHIPPING LABEL: NON-FLAMMABLE GAS. CYLINDERS SHOULD BE TRANSPORTED IN A SECURE UPRIGHT POSITION, IN A WELL-VENTI LATED TRUCK. NEVER TRANSPORT IN PASSENGER COMPARTMENT OF A VEHICLE. ENSURE CYLINDER VALVE IS PROPERLY CLOSED, VALVE OUTLET CAP HAS BEEN REINSTALLED, AND VALVE PROTECTION CAP IS SECURED BEFORE SHIPPING CYLINDER. SHIPMENT OF COMPRESSED GAS CYLINDERS WHICH HAVE NOT BEEN FILLED WITH THE OWNER'S CONSENT IS A VIOLATION OF FEDERAL LAW (49 CFR PART 173.301).
=========== Regulatory Information ============
SARA Title III Information:SARA: SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT: SECTION 302/304: EMERGENCY PLANNING AND NOTIFICATION (40 CFR PART 355). EXTREMELY HAZARDOUS SUBSTANCES: NONE. THRESHOLD PLANNING QUANTITIES (TPQ): N ONE. SECTION 311/312: HAZARDOUS CHEMICAL REPORTING (40 CFR PART 370): PRESSURE. SECTION 313: NOT REQUIR ED REPORTING.
Federal Regulatory Information:TSCA: TOXIC SUBSTANCE CONTROL ACT: THIS PRODUCT IS LISTED ON THE TSCA INVENTORY. CERCLA: COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT OF 1980 (40 CFR PART 117 AND 302): REPORTA BLE QUANTITY (RQ): NONE. State Regulatory Information:CALIFORNIA PROPOSITION 65: THIS PRODUCT IS NOT A LISTED SUBSTANCE WHICH THE STATE OF CALIFORNIA REQUIRES WARNING UNDER THIS STATUTE.
=========== Other Information ==

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