

AIR LIQUID AMERICA CORPORATION -- HEXANES PLUS MIXTURE -- 6830-01-303-4937

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Product Identification  
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Product ID:HEXANES PLUS MIXTURE

MSDS Date:08/01/1987

FSC:6830

NIIN:01-303-4937

MSDS Number: BXVFG

=== Responsible Party ===

Company Name:AIR LIQUID AMERICA CORPORATION

Address:3535 W 12TH STREET

Box:3047

City:HOUSTON

State:TX

ZIP:77253-3047

Country:US

Info Phone Num:713-868-0302

Emergency

Phone Num:713-868-0302

CAGE:NO394

=== Contractor Identification ===

Company Name:AERIFORM INSTRUMENTS INC

Address:1400 BATTLEGROUND AVE, SUITE 132

Box:City:GREENSBORO

State:NC

ZIP:27417-0160

Country:US

Phone:910-691-0333

CAGE:0WK23

Company Name:AIR LIQUID AMERICA CORPORATION

Address:3535 W 12TH STREET

Box:3047

City:HOUSTON

State:TX

ZIP:77253-3047

Country:US

Phone:713-868-0302

CAGE:NO394

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Composition/Information on Ingredients  
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Ingred Name:HEXANE (N-HEXANE); (C6)

CA

S:110-54-3  
RTECS #:MN9275000  
OSHA PEL:50 PPM  
ACGIH TLV:50 PPM  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:HEPTANE; (N-HEPTANE) (C7)  
CAS:142-82-5  
RTECS #:MI7700000  
OSHA PEL:400 PPM;500 STEL  
ACGIH TLV:400 PPM;500 STEL

Ingred Name:OCTANE; (C8)  
CAS:111-65-9  
RTECS #:RG8400000  
OSHA PEL:300 PPM;375 STEL  
ACGIH TLV:300 PPM;375 STEL

Ingred Name:NONANE; (C9)  
CAS:111-84-2  
RTECS #:RA6115000  
OSHA PEL:200 PPM  
ACGIH TLV:200 PPM

Ingred Name:DECANE; (C10)  
CAS:124-18-5  
RTECS #:HD6550000  
OSHA PEL:N/K  
ACGIH T  
LV:N/K

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 28,710 MG/KG HEXANE  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:SKIN AND MUCOUS MEMBRANE EXPOSURE IS  
AS A SIMPLE IRRITANT. INHALATION EFFECTS ARE SIMILIAR TO THAT OF A  
SIMPLE ASPHYXIANT. NO LONG TERM EFFECTS ARE KNOWN OF BREATHING  
SMALL QUANTITIES OF THESE VAPORS. INGESTI

ON EFFECTS ARE NOT FULLY UNDERSTOOD.

Explanation of Carcinogenicity:NOT LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN.

Effects of Overexposure:EXPOSURE TO THE SKIN SHOULD CAUSE IRRITATION, REDNESS AND POSSIBLE RASH. INHALATION EFFECTS SHOULD INCLUDE COUGHING, CHEST PAINS, AND EDEMA WHICH COULD BE FATAL. INGESTION EFFECTS ARE GASTROINTESTINAL DISTURBANCES, NAUSEA, HEADACHE AND VOMITING.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALATION-CONSCIOUS PERSONS SHOULD BE ASSISTED TO AN UNCONTAMINATED AREA & INHALE FRESH AIR. QUICKLY REMOVE. UNCONSCIOUS PERSON SHOULD BE MOVED TO AN UNCONTAMINATED AREA, GIVEN MOUTH-TO-MOUTH RESUSCITATION & SUPPLEMENTAL OXYGEN. SKIN/EYE-FLUSH EFFECTED ARE WITH PLENTY OF WATER FOR AT LEAST 15 MIN. INGESTION-INDUCE VOMITING TO DIVEST VICTIM OF WHAT HAS BEEN INGESTED.

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

Flash Point:HEXANE=-7F,-22C

Lower Limits:0.78%

Upper Limits:7.7%

Extinguishing Media:WATER, DRY CHEMICAL, CARBON DIOXIDE.

Fire Fighting Procedures:IF POSSIBLE, STOP FLOW OF HYDROCARBON MIXTURE.

USE WATER SPRAY TO COOL SURROUNDING CONTAINERS.

Unusual Fire/Explosion Hazard:NONE.

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

Spill Release Procedures:EVACUATE ALL PERSONNEL FROM AFFECTED AREA. USE APPROPRIATE PROTECTIVE EQUIPMENT. IF LEAK IS IN USER'S EQUIPMENT, BE CERTAIN TO PURGE PIPING W/AN INERT GAS PRIOR TO ATTEMPTING REPAIRS. IF LEAK IS IN CONTAINER VALVE, CONTACT YOUR CLOSEST LIQUID AIR LOC.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:USE ONLY IN WELL VENTILATED AREAS.

CLOSE VALVE AFTER EACH USE AND WHEN EMPTY.

Other Precautions:THIS MIX IS PREPARED IN A SPECIAL "PISTON" TYPE CYLINDER WHICH IS DES

IGNED TO ELIMINATE PROBLEMS WITH FRACTIONATION  
CHANGING THE MIX AS CYLINDER EMPTIES. BE CERTAIN TO READ &  
UNDERSTAND THE BROCHURE DESCRIBING THE ALPHAGAZ PISTON CYLINDER.

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

Respiratory Protection: POSITIVE PRESSURE AIR LINE WITH MASK OR SCBA  
SHOULD BE AVAILABLE FOR EMERGENCY USE.

Ventilation: HOOD WITH FORCED VENTILATION. LOC: TO PVNT ACCUMULATION  
ABOVE TWA. MECH (GEN): IN ACCORDANCE WITH ELECTRICAL CODES.

Protect

ive Gloves: PLASTIC OR RUBBER.

Eye Protection: SAFETY GOGGLES OR GLASSES.

Other Protective Equipment: SAFETY SHOES, SAFETY SHOWER, EYEWASH  
"FOUNTAIN".

Work Hygienic Practices: WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

STORE IN COOL, DRY, WELL-VENTILATED AREA OF NON-COMBUSTIBLE  
CONSTRUCTION AWAY FROM HEAVILY TRAFFICKED AREAS AND EMERGENCY  
EXITS.

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

HCC: F2

Boiling Pt: B.P. Text: 155F, 68C

Melt/Freeze Pt: M

.P/F.P Text: -139F, -95C

Vapor Pres: 4.96 PSIA

Vapor Density: 0.2002

Solubility in Water: VERY SLIGHTLY

Appearance and Odor: COLORLESS LIQUID AND VAPOR WITH HYDROCARBON ODOR.

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

Stability Indicator/Materials to Avoid: YES

OXYGEN, OTHER OXIDIZERS.

Hazardous Decomposition Products: NONE.

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

Waste Disposal Methods: DO NOT ATTEMPT TO DISPOSE OF WASTE/UNUSED  
QUANTITY. RETURN

N IN THE SHIPPING CONTAINER PROPERLY LABELED, W/ANY  
VALVE OUTLET PLUGS OR CAPS SECURED & VALVE PROT CAP IN PLACE TO  
YOUR SUPPLIER.

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