

AERIFORM INSTRUMENTS INC -- CALIBRATION GAS (0.48% HEXANE IN AIR) -- 6665-01-303-4938

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

Product ID:CALIBRATION GAS (0.48% HEXANE IN AIR)

MSDS Date:09/09/1996

FSC:6665

NIIN:01-303-4938

MSDS Number: CBSKR

=== Responsible Party ===

Company Name:AERIFORM INSTRUMENTS INC

Address:1400 BATTLEGROUND AVE, SUITE 132

City:GREENSBORO

State:NC

ZIP:27417-0160

Country:US

Info Pho

ne Num:910-691-0333

Emergency Phone Num:910-691-0333

CAGE:0WK23

=== 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:LIQUID AIR CORP ONE CALIFORNIA PLAZA

Address:2121 N. CALIFORNIA BLVD

Box:City:WALNUT CREEK

State:CA

ZIP:94596

Country:US

Phone:415-977-6500

CAGE:18260

Company Name:LIQUID AIR CORP ALPHAGAZ DIVISION

Address:2121 N CALIFORNIA

BLVD
Box:City:WALNUT CREEK
State:CA
ZIP:94596
Country:US
Phone:510-977-6500
CAGE:42568
Company Name:PHILLIPS PETROLEUM CO
Address:613 ADAMS
Box:City:BARTLESVILLE
State:OK
ZIP:74004
Country:US
Phone:800-234-6603
CAGE:46935

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

Ingred Name:HEXANE (N-HEXANE)
CAS:110-54-3
RTECS #:MN9275000
Fraction by Wt: 0.48%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:500 PPM
ACGIH TLV:50 PPM; 9293
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:Al
R, COMPRESSED
CAS:25635-88-5
Fraction by Wt: BALANCE
Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:AIR IS NONTOXIC. HEXANE IS A MILD
IRRITANT TO THE RESPIRATORY TRACT. CHRONIC EFFECTS ARE UNKNOWN.
Effects of Overexposure:OVEREXPOSURE TO HEXANE MAY CAUSE
LIGHTHEADEDNESS, NAUSEA AND BLURRED VI

SION.

Medical Cond Aggravated by Exposure:PERSONS WITH IMPAIRED RESPIRATORY FUNCTIONS MAY BE MORE SUSCEPTIBLE TO HEXANE.

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

First Aid:FOR HEXANE SYMPTOMS, REMOVE TO FRESH AIR, GIVE OXYGEN/CPR IF NEEDED. SEE DOCTOR.

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

Lower Limits:40%

Extinguishing Media:NON-FLAMMABLE. USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:

WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:COMPRESSED AIR AT HIGH TEMPERATURE CAN ACCELERATE THE BURNING OF MATERIALS WHICH ARE COMBUSTIBLE AT ATMOSPHERIC PRESSURE. CYLINDERS MAY BURST IN FIRE.

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

Spill Release Procedures:CAUTION SHOULD BE EXERTED FOR NOISE OR INJURY BY PROPELLED MOTIO

N OF CYLINDER IF LEAKING.

Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:NO PART OF A CONTAINER SHOULD BE SUBJECTED TO A TEMPERATURE HIGHER THAN 125F.

Other Precautions:STORE AWAY FROM HEAVY TRAFFIC AND COMBUSTIBLE MATERIALS. KEEP AWAY FROM HEAT SOURCES, SALT AND CORROSIVE CHEMICALS. USE PRESSURE REGULATOR WHEN CONNECTING TO LOW PRESSURE PIPING. USE CHECK VALVE TO PR EVENT BACKFLOW. DO NOT REFILL.

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

Respiratory Protection:NONE.

Ventilation:NONE.

Protective Gloves:LEATHER WORK GLOVES IF NECESSARY.

Eye Protection:SAFETY GLASSES.

Other Protective Equipment:SAFETY TOE SHOES.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

DISTRIBUTOR PROVIDED MSDS' FOR HEXANE AND FOR AIR. HMIS COMBINED THOSE TWO MSDS' INTO ONE. MSDS ON HEXANE WAS FROM PHILLIPS 66, AND MSDS ON AIR WAS FROM

LIQUID AIR CORP.

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

HCC:G3
Boiling Pt:B.P. Text:-318F,-194C
Vapor Pres:240 PSI
Vapor Density:1.0
Solubility in Water:1.87% BY VOLUME.
Appearance and Odor:GAS MIXTURE ODORLESS AND COLORLESS.
Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES
NONE.
Stability Condition to Avoid:AVOID THE USE OF OIL IN SYSTEMS AT FULL
CYLINDER PRESSURE
. AVOID HIGH HEAT AND OPEN FLAMES NEAR CYLINDER.
Hazardous Decomposition Products:NONE.

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

Waste Disposal Methods:SLOWLY RELEASE INTO ATMOSPHERE. DISCARD ANY
PRODUCT OR CONTAINER IN AN ENVIRONMENTALLY ACCEPTABLE MANNER.
COMPLY WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.

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