

U S AIR GAS INC -- CALIBRATING GAS MIXTURE -- 6830-00-280-9240

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

Product ID:CALIBRATING GAS MIXTURE

MSDS Date:03/15/1993

FSC:6830

NIIN:00-280-9240

MSDS Number: BQCRG

=== Responsible Party ===

Company Name:U S AIR GAS INC

Address:100 MATSONFORD RD SUITE 550

City:RADNOR

State:PA

ZIP:19087

Country:US

Info Phone Num:215-687-5253

Emergency Phone Num:215-687-5253

Prepare

r's Name:DGSC-SSH

CAGE:LO107

=== Contractor Identification ===

Company Name:AIRGAS INC

Address:100 MATSONFORD RD SUITE 550

Box:City:WAYNE

State:PA

ZIP:19087

Country:US

Phone:215-687-5253

CAGE:0MN39

Company Name:U S AIR GAS INC

Address:100 MATSONFORD RD SUITE 550

Box:City:RADNOR

State:PA

ZIP:19087

Country:US

Phone:215-687-5253

CAGE:LO107

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

Ingred Name:CARBON DIOXIDE

CAS:124-38-9

RTECS #:FF6400000

Fraction by Wt: 5% MIN

Other REC

Limits:NONE SPECIFIED
OSHA PEL:5000 PPM
ACGIH TLV:5000PPM/30000STEL;93

Ingred Name:OXYGEN
CAS:7782-44-7
RTECS #:RS2060000
Fraction by Wt: 12% MIN
Other REC Limits:NONE SPECIFIED

Ingred Name:NITROGEN
CAS:7727-37-9
RTECS #:QW9700000
Fraction by Wt: BALANCE
Other REC Limits:NONE SPECIFIED
ACGIH TLV:ASPHYXIAN; 9192

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports
of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:SYMPTOMS INCLUDE HEADACHE, DIZZINESS,
MUSCULAR INCOORDINATION AND RAPID RESPIRATION. HIGH CARBON DIOXIDE
LEVELS CAN EFFECT THE CENTRAL NERVOUS SYSTEM CAUSING A PARALYSIS OF
THE BREATHING CONTROL CENTERS.
Explanation of Carcinogenicity:PRODUCT CONTAINS NO INGREDIENTS
CURRENTLY CLASSIFIED AS CARCINOGENIC BY NTP, IARC OR OSHA.
Effects of Overexposure:HEADACHE, DIZZINESS, MUSCULAR INCOORDINATION,
RAPID RESPIRATION.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. RESUSCITATE IF NOT
BREATHING. GET MEDICAL ATTENTION. INGESTION: INDUCE VOMITING
IMMEDIATELY. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GET MEDICAL
ATTENTION.

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

Extinguishing Media:USE MEDIA SUITABLE FOR SURROUNDING FIRE.
Fire

Fighting Procedures:KEEP EXPOSED CYLINDERS COOL WITH WATER SPRAY.
SHUT OFF GAS SOURCE AND REMOVE CYLINDERS IF POSSIBLE. WEAR NIOSH/
MSHA APPROVED SCBA AND FULL PROT EQUIPMENT.

Unusual Fire/Explosion Hazard:EXPOSURE TO TEMPERATURE ABOVE 50C (130F)
MAY CAUSE CONTENTS TO VENT OR CAUSE BURSTING.

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

Spill Release Procedures:VENTILATE AREA. REMOVE LEAKING CYLINDER TO
EXHAUST HOOD OR SAFE OUTDOOR AREA.

Neutralizing Agent

:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:TANKS MUST BE SECURED AGAINST A WALL
OR BENCH, ON THE FLOOR OR PLACED IN A TANK BASE SUPPORT STAND.

Other Precautions:DO NOT DEFACE CYLINDERS OR LABELS. MOVE CYLINDERS
WITH AN ADEQUATE HAND TRUCK. MATERIAL IS COMPRESSED GAS. USE WITH
APPROPRIATE GAS REGULATORS AND EQUIPMENT RATED FOR PRESSURE.

===== Exposure Controls/Personal Protection ==
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Respiratory Protection:NIOSH/MSHA APPROVED SCBA IS NECESSARY IN CASE OF
EMERGENCY.

Ventilation:GENERAL VENTILATION.

Protective Gloves:IMPERVIOUS GLOVES.

Eye Protection:CHEMICAL WORKERS GOGGLES.

Other Protective Equipment:SAFETY SHOES WHEN HANDLING CYLINDERS.

Work Hygienic Practices:HANDLE WITH CARE TO AVOID PHYSICAL DAMAGE.

Supplemental Safety and Health

MSDS PREPARED BY DGSC-SSH FROM INFORMATION OBTAINED FROM TOTAL ITEM
RECORD.

===== Physical/Chemical Propert
ies =====

HCC:G3

Vapor Density:0.978

Appearance and Odor:COLORLESS/ODORLESS GAS

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

Stability Indicator/Materials to Avoid:YES

CONTAINS OXYGEN WHICH CAN REACT WITH HYDROCARBONS AND OTHER ORGANIC
MATERIALS.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:NONE

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

Waste Disposal Methods:NEVER THROW TANKS

INTO FIRE OR INCINERATOR.

DISPOSE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

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