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===== 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
Preparer's Name:DGSC-SSH
CAGE:LO107

==== Contractor Identification ====

C
Company Name:AIRGAS INC
Address:100 MATSONFORD RD SUITE 550
Box:City:WAYNE
State:PA
ZIP:19087
Country:US
Phone:215-687-5253
CAGE:OMN39
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

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===== 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/30000

STEL;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 Acu

te 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

D 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 =====

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 Properties =====

HCC:G3

Vapor Density:0.978

Appearance a

nd 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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