

AIRCO INC, AIRCO INDUSTRIAL GASES DIV. -- OXYGEN -- 6505-00-132-5199

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Product Identification  
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Product ID:OXYGEN

MSDS Date:08/26/1992

FSC:6505

NIIN:00-132-5199

MSDS Number: BLVZP

=== Responsible Party ===

Company Name:AIRCO INC, AIRCO INDUSTRIAL GASES DIV.

Address:575 MOUNTAIN AVE

City:MURRAY HILL

State:NJ

ZIP:07974-2006

Country:US

Info Phone Num:908-464-8100/FOR MSDS:1800-734-5463

Emerg

ency Phone Num:800-424-9300(CHEMTREC)

CAGE:00741

=== Contractor Identification ===

Company Name:AIRCO INC, AIRCO INDUSTRIAL GASES DIV.

Address:575 MOUNTAIN AVE

Box:City:MURRAY HILL

State:NJ

ZIP:07974-2006

Country:US

Phone:800-424-9300(CHEMTREC)

CAGE:00741

Company Name:HARSCO CORP

Address:350 POPLAR CHURCH RD

Box:8888

City:CAMP HILL

State:PA

ZIP:17011-2519

Country:US

Phone:717-763-7064

CAGE:27429

Company Name:JOSEPH E R CO INC

Address:15 WOODLYN AVE

Box:City:NORRISTOWN

State:PA

ZIP:19403-1605

Cou

ntry:US  
CAGE:2A892  
Company Name:MILITARY SPECIFICATIONS PROMULGATED BY MILITARY  
Address:DEPTS/AGENCIES UNDER AUTH OF DEF STD  
Box:MANUAL  
City:4120 3-M  
Phone:804-279-4371 DSN 695-4371  
CAGE:81349  
Company Name:RESEARCH MANAGEMENT CORP, POTOMAC DIV  
CAGE:0BX26

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Composition/Information on Ingredients  
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Ingred Name:OXYGEN  
CAS:7782-44-7  
RTECS #:RS2060000  
Fraction by Wt: 99-100%  
Other REC Limits:NONE SPECIFIED

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Hazards Identification  
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LD50 LC50 Mixture:NOT GIVEN FOR PRODUCT  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:INHALATION: HIGH CONCENTRATIONS CAUSES  
SYMPTOMS OF HYPEROXIA. SKIN AND EYES: CONTACT WITH LIQUID PRODUCT  
MAY CAUSE TISSUE FREEZING.  
Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT  
CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT  
CARCINOGENS.  
Effects of Over  
exposure:INHALATION: CRAMPS, NAUSEA, DIZZINESS,  
HYPOTHERMIA, AMBYLOPIA, RESPIRATION DIFFICULTIES, BRADYCARDIA,  
FAINTING SPELLS AND CONVULSIONS CAPABLE OF LEADING TO DEATH.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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First Aid Measures  
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First Aid:INHALATION: REMOVE TO FRESH AIR. ADMINISTER BREATHING SUPPORT  
MEASURES IF NECESSARY. PHYSICIAN SHOULD BE INFORMED THAT THE VICTIM  
COULD BE EXPERIENCING HYPEROXIA.

SKIN: REMOVE CONTAMINATED CLOTHING

AND FLUSH AFFECTED AREAS WITH LUKEWARM WATER. DO NOT USE HOT WATER. EYES: DO NOT WASH THE EYES WITH HOT OR EVEN TEPID WATER. TAKE VICTIM TO AN OPHTHALMOLOGIST FOR TREATMENT AND FOLLOW UP.

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

Flash Point:NONFLAMMABLE

Lower Limits:NOT GIVEN

Upper Limits:NOT GIVNE

Extinguishing Media:COPIOUS QUANTITIES OF WATER FOR FIRES WITH OXYGEN AS THE OXIDIZER. CAN USE DRY CHEMICAL OR CARBON DIOXIDE FOR SMALL FIRE

Fire Fighting Procedures:IF POSSIBLE, STOP THE FLOW OF OXYGEN WHICH IS SUPPORTING THE FIRE AND MOVE CONTAINER FROM FIRE AREA. SPRAY COOLING WATER ON CYLINDERS.

Unusual Fire/Explosion Hazard:VIGOROUSLY ACCELERATES FIRE.

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

Spill Release Procedures:KEEP COMBUSTIBLES AWAY FROM SPILLED MATERIAL. DO NOT TOUCH OR WALK THROUGH SPILLED MATERIAL. STOP LEAK IF YOU CAN DO IT WITHOUT RISK. ISOLATE AREA UNTIL GAS HAS DISPERSED.

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

Handling and Storage Precautions:USE ONLY IN WELL-VENTILATED AREAS. VALVE PROTECTION CAPS MUST REMAIN IN PLACE UNLESS CONTAINER IS SECURED WITH VALVE OUTLET PIPED TO USE POINT.

Other Precautions:DO NOT HEAT CYLINDER BY ANY MEANS TO INCREASE THE DISCHARGE RATE OF PRODUCT FROM THE CYLINDER. PROTECT CYLINDERS FROM PHYSICAL DAMAGE. DO NOT ALLOW THE TEMPERATURE WHERE CYLINDERS ARE STORED TO EXCEED 130F.

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

Respiratory Protection:NONE SPECIFIED BY MANUFACTURER.

Ventilation:USE LOCAL EXHAUST TO PREVENT ACCUMULATION OF HIGH CONCENTRATIONS THAT INCREASE THE OXYGEN LEVEL IN AIR TO MORE THAN 25%.

Protective Gloves:LOOSE FITTING AND INSULATED.

Eye Protection:SAFETY GOGGLES OR GLASSES & FACE SHIELD.

Other Protective Equipment:SAFETY SHOES, SAFETY SHOWER.

Work Hygienic Practices:WASH HANDS THOROUGHLY WITH SOAP

P AND WATER

BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

Supplemental Safety and Health

NONE SPECIFIED BY MANUFACTURER.

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

HCC:G4

Boiling Pt:B.P. Text:-297F,-183C

Melt/Freeze Pt:M.P/F.P Text:-362F,-219C

Decomp Temp:Decomp Text:NOT GIVEN

Vapor Pres:NOT GIVEN

Vapor Density:NOT GIVEN

Spec Gravity:1.11

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:SLIGHTLY SOLUBLE

Appearance and Odor:COLORLESS, O

DORLESS GAS.

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

Stability Indicator/Materials to Avoid:YES

ALL FLAMMABLE MATERIALS.

Stability Condition to Avoid:CONTACT WITH ALL FLAMMABLE MATERIALS.

Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

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

Waste Disposal Methods:DO NOT ATTEMPT TO DISPOSE OF WASTE OR UNUSED  
QUANTITIES. RETURN IN THE SHIPPING CONTAINER PROPERLY LABELED, WITH  
ANY

VALVE OUTLET PLUGS OR CAPS SECURED AND VALVE PROTECTION CAP IN  
PLACE TO AIRCO FOR PROPER DISPOSAL.

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