

AIRCO INC, AIRCO INDUSTRIAL GASES DIV. -- 744167 OXYGEN -- 6505-00-132-5181

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Product Identification  
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Product ID:744167 OXYGEN

MSDS Date:05/30/1990

FSC:6505

NIIN:00-132-5181

MSDS Number: BMZQC

=== 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:201-464-8100

Emergency Phon

e Num:201-464-8100/CHEMTREC, 800-424-9300

Preparer's Name:DGSC-SSH

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:MARISON CO THE DIV OF THERMADYNE INDUSTRIES INC

Address:521 GREEN COVE RD

Box:City:HUNTSVILLE

State:AL

ZIP:35803

Country:US

Phone:205-650-9103/800-821-2975

CAGE:88096

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Composition/Informa

tion on Ingredients =====

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

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

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.

Effects of Overexposure: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.

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

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 =====

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:NONE

===== 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 =====

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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 =====  
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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:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health  
DISTRIBUTOR MARISON CO.,DIV. OF THERMADYNE STATES C  
YLINDERS WERE FILLED  
BY AIRCO INDUSTRIAL GAS. DGSC-SSH GENERATED AN MSDS FROM AN  
EXISTING HMIS RECORD FOR OXYGEN FROM AIRCO.

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

HCC:G4  
Boiling Pt:B.P. Text:-297F,-183C  
Melt/Freeze Pt:M.P/F.P Text:-362F,-219C  
Spec Gravity:1.11  
Solubility in Water:SLIGHTLY SOLUBLE  
Appearance and Odor:COLORLESS, ODORLESS GAS.

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

Stability Indicator/Materials to Avoid:YES  
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S PRODUCT VIGOROUSLY ACCELERATES CONBUSTION.

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

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

Waste Disposal Methods:DO NOT ATTEMPT TO DISPOSE OF WASTE OR UNUSED QUANTATIES. RETURN IN THE SHIPPING CONTAINER PROPERLY LABELED, WITH ANY VALVE OUTLET PLUGS OR CAPS SECURED AND VALVE PROTECTION CAP IN PLACE TO AIRCO FOR P ROPER DISPOSAL.

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