

ESSEX INDUSTRIES INC -- OXYGEN CYLINDER ASSEMBLY -- 1660-01-069-4305

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

Product ID:OXYGEN CYLINDER ASSEMBLY

MSDS Date:10/20/1997

FSC:1660

NIIN:01-069-4305

MSDS Number: CFKYS

=== Responsible Party ===

Company Name:ESSEX INDUSTRIES INC

Address:6 SUNNEN DR

City:SAINT LOUIS

State:MO

ZIP:63143-3903

Country:US

Info Phone Num:314-644-3000

Emergency Phone Num:314-644-3000

P

reparer's Name:DOD HMIS/DSCR-VBA

CAGE:83533

=== Contractor Identification ===

Company Name:ESSEX INDUSTRIES INC

Address:6 SUNNEN DR

Box:City:SAINT LOUIS

State:MO

ZIP:63143

Country:US

Phone:314-644-3000

CAGE:83533

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

Ingred Name:OXYGEN

CAS:7782-44-7

RTECS #:RS2060000

Fraction by Wt: 99-100%

Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:YES   Ski

n: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 MANUF ACTURER.

===== 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 AN D 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.

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===== 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:HIGH PRESSURE OXIDIZING GAS. HIGH TEMPERATURES OR FIRE MAY CAUSE EXPLOSIVE RUPTURE OF CYLINDER.  
VIGOROUSLY ACCELERATES COMBUSTION (BURNING).

===== 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 CAP

S 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:NONE SPECIFIED BY MANUFACTURER.  
Supplemental Safety and Health  
WARNING: FOR OXYGEN DEFICIENCY IN BREATHING. THIS GENERIC "MSDS" WAS  
GENERATED IN-HOUSE BASED ON INFORMATION FROM "MSDS'S" FOR OXYGEN.  
END ITEM IDENTIFICATION: OXYGEN SYSTEM, AIRCRAFT SURVIVAL KIT.

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

HCC:G4  
Boiling Pt:B.P. Text:-297F,-183C  
Melt/Freeze Pt:M.P/F.P Text:-362F,-219C  
Vapor Density:0.08LB/FT3  
Spec Gravity:1.11  
Solubility in Water:SLIGHT  
Appearance and Odor:COLORLESS, ODORLESS GAS.

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

Stability Indicator/Materials to Avoid:YES  
THIS PRODUCT VIGOROUSLY ACCELERATES COMBUSTION.  
Stability Condition to Avoid:HIGH TEMPERATURES.  
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 ALLOW FOR PROPER DISPOSAL.

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