

OXYGEN

MSDS Number

CCLSL

National Stock Number

6830-00-656-1603

Product Name

OXYGEN

Manufacturer

AIRGAS

Product Identification

Product ID:OXYGEN

MSDS Date:05/01/1990

FSC:6830

NIIN:00-656-1603

MSDS Number: CCLSL

Responsible Party

AIRGAS

100 MALSONFOFO ROAD

RADNOR , PA 19067

US

Emergency Phone: 215-687-5253

Info Phone: 215-687-5253

Cage: AIRGA

Contractor

AIRGAS

RADNOR, PA 19087

US

215-687-5253

Cage: AIRGA

Ingredients

OXYGEN

CAS: 7782-44-7

RTECS: RS2060000

Hazards

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:BREATH HIGH CONC(>75MOLAR %)CAUSES

SYMPTOMS OF HYPEROXIA WHICH INCLUDES

CRAMPS,NAU,DIZZ,HYPOTHERMIA,AMBLYOPIA,RESP

DIFFICULTIES,BRADYCARDIA,FAINTING SPELLS,CONVULSIONS CAPABLE OF

LEADING TO DEATH.PHYP EROXIA PROPERTY LEADS TO PNEUMONIA.INFLAMM OF

ORG MATTER IN BODY W/CONC 25-75 MOLAR %.

Explanation of Carcinogenicity:PER MSDS:OXYGEN NOT LISTED IN

IARC/NTP/OSHA AS CARCINOGEN OR POTENTIAL CARCINOGEN.

Effects of Overexposure:SEE HEALTH HAZARDS ABOVE.

Medical Cond Aggravated by Exposure:PERSONS IN ILL HEALTH WHERE SUCH

ILLNESS WOULD BE AGGRAVATED BY EXPO TO OXYGEN SHOULD NOT BE ALLOWED

TO W/OR HNDLG THIS PRODUCT.

First Aid

First Aid:PROMPT MED ATTN MANDATORY IN ALL CASES OF OVEREXPO.RESCUE PERSONS SHOULD BE COGNIZANT OF EXTREME FIRE HAZ ASSOC W/OXY RICH ATMS.ASSIST CONSC PERSON TO UNCONTAMIN AREA.BREATH FRESH AIR.KEEP WARM/QUIET. INFORM DR VICTIM EXPERIENCE HYPEROXIA.REMOVE UNCONSC PERSON TO UNCONTAMIN AREA.GIVE ASSIST RESP.RESTORE BREATHING TREAT AS ABOVE.CONT TREATMENT SHOULD BE SYMPTOMATIC/SUPPORTIVE.

Fire Fighting

Flash Point:NA
Autoignition Temp:Autoignition Temp Text:NA
Lower Limits:NA
Upper Limits:NA
Extinguishing Media:NONE SPECIFIED BY MANUFACTURER.
Fire Fighting Procedures:IF POSSIBLE STOP FLOW OF OXYGEN WHICH IS SUPPORTING FIRE.CYLINDERS INVOLVED IN FIRE SAFELY RELOCATE OR KEEP COOL WITH WATER SPRAY.VIGOROUSLY ACCELERATES COMBUST
Unusual Fire/Explosion Hazard:OXYGEN VIGOROUSLY ACCELERATES COMBUST.CONTACT W/ALL FLAMM MATLS SHOULD BE AVOIDED.SOME MATLS WHICH ARE NOT FLAMM IN AIR WILL BURN IN PURE OXY/OXY RICH ATMS.

Accidental Release

Spill Release Procedures:EVACUATE ALL PERSONNEL.SUE APPROPRIATE PROTECTIVE EQPMT.LEAK IN USER'S EQPMT BE CERTAIN TO PURGE PIPING W/INERT GAS PRIOR TO REPAIRS.LEAK IN CNTNR/CNTNR VALVE CONTACT CLOSEST SUPPLIER LOCATION/EMERG P HONE # LISTED.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling

Handling and Storage Precautions:USE IN WELL VENTI AREA.VLAVE PROT CAPS/OUTLET PLUGS REMAIN IN PLACE UNLESS PIPED TO USE PT.DON'T DRAG/SLIDE/ROLL;USE HAND TRUCK.PROTECT CYL FRM PHY DG
Other Precautions:USE PRESSURE RED REG WHEN CONNECTING CYL TO PIPING/SYS.DON'T HEAT CYL TO INCR PRESSURE/DISCHARGE.DON'T USE SUBSTITUTE FOR COMPRESSED AIR IN PNEUMATIC EQPMT CONTAINS FLAMM LUBRICANTS.CLEAN FO R OXY SERVICE.SECURE UPRIGHT WHEN MOVING

Exposure Controls

Respiratory Protection:NONE SPECIFIED BY MANUFACTURER.
Ventilation:LOCAL EXHAUST:TO PREVENT ACCUMULATION ABOVE 25MOLAR %.
Protective Gloves:AS REQUIRED, ANY MATERIAL.
Eye Protection:SAFETY GOGGLES OR GLASSES.
Other Protective Equipment:SAFETY SHOES, SAFETY SHOWER.
Work Hygienic Practices:CONSULT COMPRESSED GAS ASSOC PAMPHLETS
P-1,P-14,G-4,G-4.1.
Supplemental Safety and Health
INCOMPAT:SILICON ALLOYS,MONEL,INCONEL,BERYLLIUM.PB/AG,PB/SN ALLOYS GOOD GASKETING MATLS.TEFLON/KELF AREA PREFERRED NONMETAL GASKETS.IGN TEMP OF METALS/NONMETALS IN PURE OXY SERVICE DECR W/INCR OXY PRE SSURE.

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:NP
Vapor Pres:>CRIT TENP
Vapor Density:.0828LB/F3
Spec Gravity:1.11 @70F
pH:NP
Viscosity:NP
Evaporation Rate & Reference:NP
Solubility in Water:SLIGHTLY.
Appearance and Odor:COLORLESS, ODORLESS GAS.
Percent Volatiles by Volume:NP
Corrosion Rate:NP

Stability

Stability Indicator/Materials to Avoid: YES
ALL FLAMM MATL. LOW PRESSURE USE CARBON STEELS, LOW ALLOY STEEL; HI
PRESSURE SS, CU/CU ALLOY, NI/NI ALLOY, BRASS, BRONZE, (SUPP)
Hazardous Decomposition Products: NONE.

Disposal

Waste Disposal Methods: DON'T ATTEMPT TO DIPSO OF WASTE/UNUSED
QUANT. RETURN IN SHIPPING CNTNR PROPERLY LABEL/VALVE OUTLET
PULGS/CAPS SECURED/VALVE PROTECTION CAP IN PLACE TO SUPPLIER. EMERG
DISPO ASSIST CONTACT SUPPLIER/EMERG PHONE #LISTED. FILL ONLY BY
QUAL COMPRESS GAS PROD

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