MG INDUSTRIES -- OXYGEN, COMPRESSED GAS -- 6830-01-277-0596

Product ID: OXYGEN, COMPRESSED GAS
MSDS Date: 06/30/1997
FSC: 6830
NIN: 01-277-0596
MSDS Number: BYXZH

== Responsible Party ==
Company Name: MG INDUSTRIES
Address: 2460 BOULEVARD OF THE GENERALS
Box: 945
City: VALLEY FORGE
State: PA
ZIP: 19482
Country: US
Info Phone Num: 215-630-5422
Emergency Phone Num: 215-630-5422
CAGE: 08772

== Contractor Identification ==
Company Name: MG INDUSTRIES
Address: 3 GREAT VALLEY PKY
Box: City: MALVERN
State: PA
ZIP: 19355-1424
Country: US
Phone: 610-695-7400 / 610-695-7449
CAGE: 08772
Company Name: MG INDUSTRIES
Address: 2100 COMMERCE RD
Box: City: RICHMOND
State: VA
ZIP: 23234
Country: US
Phone: 804-231-1191
CAGE: 8D945

== Composition/Information on Ingredients ==

Ingredient Name: OXYGEN
CAS: 7782-44-7
RTECS #: RS2060000
Fraction by Wt.: 100.0%
Other REC Limits: NONE SPECIFIED

== Hazards Identification ==

Routes of Entry: Inhalation: YES Skin: NO Ingestion: NO
Reports of Carcinogenicity: NTP: NO IARC: NO OSHA: NO
Health Hazards Acute and Chronic: ACUTE-NORMAL AIR CONTAINS 21% OXYGEN.
NO ADVERSE EFFECTS FROM CONTACT W/GAS. CONTACT W/LIQUID MAY CAUSE PROSTHETIC. INHALING HIGH CONCENTRATIONS MAY CAUSE RESPIRATORY IRRITATION AND EDEMA. CHRONIC-INHALING HIGH CONCENTRATIONS FOR EXTENDED PERIODS MAY CAUSE LOW LEVEL FIBROTIC CHANGES TO LUNGS.
Explanation of Carcinogenicity: THIS COMPOUND CONTAINS NO INGREDIENTS AT CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT CARCINOGENS.

Effects of Overexposure: INHALATION OF HIGH CONCENTRATION/PURE OXYGEN MAY CAUSE COUGHING, CONGESTION, ASTHMA-LIKE ATTACK, HYPER/HYPOTHERMIA, CNS EFFECTS (MOOD CHANGE, NAUSEA, DIZZINESS, MALAISE, TINGLING OF FINGERS & TOES, CO VULSION, LOSS OF CONSCIOUSNESS & COLLAPSE). LIQUID CONTACT CAUSES SKIN FROSTBITE.

Medical Cond Aggravated by Exposure: NONE SPECIFIED BY MANUFACTURER.

== First Aid Measures ==


First Aid: INHALE: REMOVE TO FRESH AIR. PROVIDE ARTIFICIAL RESPIRATION IF NEEDED. GET MEDICAL ATTENTION IMMEDIATELY. EYE/ SKIN: NO ADVERSE EFFECTS FROM THE GAS. IN CASE OF FROSTBITES, FLUSH WITH WARM WATER. GET MEDICAL ATTENTION. NOT THERE IS NOT ANTIDOTE TREAT SYMPTOMATICALLY AND SUPPORTIVELY.

---------------------------  Fire Fighting Measures  ---------------------------

Flash Point: OXIDIZER
Lower Limits: NOT GIVEN
Upper Limits: NOT GIVEN
Extinguishing Media: CARBON DIOXIDE, DRY CHEMICAL. EXTINGUISH FIRE WITH MEDIA APPROPRIATE FOR SOURCE OF FIRE. APPLY FROM GREAT DISTANCE.
Fire Fighting Procedures: MOVE CONTAINER FROM AREA IF W/O RISK. APPLY COOLING WATER IN FLOODING AMOUNT. STAY AWAY FROM END OF TANKS. FOR MASSIVE FIRE, USE UNMANNED HOWE HOLDER.
Unusual Fire/Explosion Hazard: INCREASES COMBUSTION RATES. CONTACT WITH EASILY OXIDIZABLE, ORGANIC, OR COMBUSTIBLE MATERIALS MAY RESULT IN IGNITION, VIOLENT COMBUSTION OR EXPLOSION.

---------------------------  Accidental Release Measures  ---------------------------

Spill Release Procedures: STOP LEAK IF POSSIBLE WITHOUT PERSONAL RISK. AVOID CONTACT WITH COMBUSTIBLE MATERIALS. KEEP UNNECESSARY PEOPLE AWAY. ISOLATE HAZARD AREA AND DENY ENTRY. VENTILATE CLOSED SPACES BEFORE ENTERING.
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

---------------------------  Handling and Storage  ---------------------------

Other Precautions: AVOID CONTACT WITH COMBUSTIBLE MATERIALS (WOOD, PAPER, FUEL OILS, ETC.). CONTACT MAY RESULT IN IGNITION OR EXPLOSION. DO NOT DAMAGE/OVERHEAT CONTAINERS. CONTENTS ARE UNDER PRESSURE. CONTAINERS MAY VIOLENTLY RUPTURE & TRAVEL A LONG DISTANCE.

---------------------------  Exposure Controls/Personal Protection  ---------------------------

Respiratory Protection: SPECIFIC RESPIRATOR SELECTED MUST BE BASED ON CONTAMINATION LEVELS FOUND IN WORKPLACE, EXPOSURE LEVELS MUST NOT EXCEED WORKING LIMITS OF RESPIRATOR AND RESPIRATOR MUST BE JOINTLY APPROVED BY NIOSH & MSHA.
Ventilation: PROVIDE LOCAL EXHAUST OR GENERAL DILUTION VENTILATION SYSTEM.
Protective Gloves: COLD INSULATING GLOVES
Eye Protection: SPLASH-PROOF GOGGLES & FACE SHIELD
Other Protective Equipment: SAFETY SHOWER, EYE BATH. APPROPRIATE CLOTHING TO PREVENT LIQUID CONTACT FROM FREEZING SKIN.
Work Hygienic Practices: WASH HANDS THOROUGHLY WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.
Supplemental Safety and Health
NONE SPECIFIED BY MANUFACTURER.

---------------------------  Physical/Chemical Properties  ---------------------------

HCC: G4
NRC/State Lic Num: NONE
Boiling Pt: B.P. Text: -297°F, -183C
Melt/Freeze Pt: M.P/F.P Text: -360°F, -218C
Decomp Temp: Decomp Text: NOT GIVEN
Vapor Pres: 760
Vapor Density: 1.1
Spec Gravity: 1.309 G/L
Evaporation Rate & Reference: NOT GIVEN
Solubility in Water: MODERATE
Appearance and Odor: COLORLESS, ODORLESS, TASTELESS GAS

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

Stability Indicator/Materials to Avoid: YES
ANY EASILY OXIDIZABLE MATERIAL, INCLUDING METALS, ORGANICS
Stability Condition to Avoid: STABLE UNDER NORMAL TEMPERATURES AND PRESSURE.
Hazardous Decomposition Products: NONE SPECIFIED BY MANUFACTURER.
Conditions to Avoid Polymerization: HAZARDOUS POLYMERIZATION HAS NOT BEEN REPORTED TO OCCUR UNDER NORMAL TEMPERATURES OR PRESSURES.

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

Waste Disposal Methods: OBSERVE ALL FEDERAL, STATE & LOCAL REGULATIONS WHEN STORING OR DISPOSING OF THIS SUBSTANCE.

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