

AMERIGAS INC INDUSTRIAL GASES DIV -- OXYGEN -- 8505-00-132-5181

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Product Identification
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Product ID:OXYGEN

MSDS Date:03/01/1991

FSC:8505

NIIN:00-132-5181

MSDS Number: CBRVR

=== Responsible Party ===

Company Name:AMERIGAS INC INDUSTRIAL GASES DIV

Address:LEIGHTON BLDG

Box:965

City:VALLEY FORGE

State:PA

ZIP:19481

Country:US

Info Phone Num:215-337-7000

Emergency Phone Num:215-337-7000

CAGE

:2W147

=== Contractor Identification ===

Company Name:AMERIGAS INC INDUSTRIAL GASES DIV

Address:LEIGHTON BLDG

Box:965

City:VALLEY FORGE

State:PA

ZIP:19481

Country:US

Phone:215-337-7000

CAGE:2W147

Company Name:GENERAL FIRE EXTINGUISHER CORP

Address:1685 SHERMER RD

Box:City:NORTHBROOK

State:IL

ZIP:60062-5315

Country:US

Phone:(708) 847-272-7500; 847-272-7500

CAGE:99539

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Composition/Information on Ingredients
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Ingred Name:OXYGEN

CAS:7782-44-7

RTECS #:RS2060000

Fraction

by Wt: 100%

Other REC Limits:NONE RECOMMENDED

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===== 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:BREATHING HIGH CONCENTRATIONS CAUSES SYMPTOMS OF HYPEROXIA. HYPEROXIA CAN LEAD TO PNEUMONIA. ALSO HIGH CONCENTRATIONS OF OXYGEN CAN LEAD TO INFLAMMATION OF BODY TISSUES.

Explanation of Carcinogenicity:OXYGEN IS NOT LISTED AS A CARCINOGEN BY

NTP, IARC, OR OSHA.

Effects of Overexposure:HYPEROXIA: CRAMPS, NAUSEA, DIZZINESS, HYPOTHERMIA, AMBLYOPIA, RESPIRATORY DIFFICULTIES, BRADYCARDIA, FAINTING SPELLS, CONVULSIONS.

Medical Cond Aggravated by Exposure:PERSONS IN ILL HEALTH WHERE SUCH ILLNESS WOULD BE AGGRAVATED BY EXPOSURE TO OXYGEN SHOULD NOT BE ALLOWED TO WORK WITH OR HANDLE THIS PRODUCT.

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

First Aid:PROMPT MEDICAL ATTENTION IS MANDATORY IN ALL CASES OF

OVEREXPOSURE TO OXYGEN. RESCUE PERSONNEL SHOULD BE COGNIZANT OF EXTREME FIRE HAZARD ASSOCIATED WITH OXYGEN-RICH ATMOSPHERES.

CONSCIOUS PERSONS SHOULD BE ASSISTED TO AN UNCONTAMINATED AREA AND BREATHE FRESH AIR. KEEP WARM & QUIET. NOTIFY PHYSICIAN. UNCONSCIOUS VICTIMS; REMOVE TO FRESH AIR AND RESTORE BREATHING.

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

Extinguishing Media:CARBON DIOXIDE OR CHEMICAL FOR ABC FIRE.

Fire Fighting Procedures:

STOP FLOW OF OXYGEN IF FEASIBLE. WEAR

SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:VIGOROUSLY ACCELERATES COMBUSTION. HEAT OF FIRE MAY CAUSE EXPLOSIVE RUPTURE OF CYLINDERS.

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

Spill Release Procedures:EVACUATE AREA. USE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT. ELIMINATE ALL SOURCES OF IGNITION. VENTILATE AREA.

ALLOW TO DISSIPATE TO ATMOSPHERE IF UNABLE TO SHUT OFF OR
STOP LEAK. STOP LEAK IF CAN BE DONE AT NO RISK.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:USE ONLY IN WELL-VENTILATED AREAS.
STORE IN A COOL, DRY PLACE AWAY FROM INCOMPATIBLE MATERIALS.
PROTECT CYLINDER FROM PHYSICAL DAMAGE.

Other Precautions:DO NOT DRAG, SLIDE OR ROLL CYLINDERS. USE A SUITABLE
HAND-TRUCK FOR CYLINDER MOVEMENT. USE A PRESSURE REDUCING REGULATOR
WHEN CONNECTING TO LOWER PRESSURE. DO NOT HEAT CYLINDER BY ANY
MEANS TO INCREASE RATE OF DISCHARGE.

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

Respiratory Protection:NONE SPECIFIED BY MANUFACTURER. NONE NORMALLY
REQUIRED.

Ventilation:LOCAL EXHAUST TO PREVENT ACCUMULATION ABOVE 25 MOLAR
PERCENT.

Protective Gloves:AS REQUIRED; ANY MATERIAL.

Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES.

Other Protective

Equipment:SAFETY SHOES, SAFETY SHOWER.

Work Hygienic Practices:USE GOOD PERSONAL HYGIENE

Supplemental Safety and Health

BEFORE REUSING; ALLOW CLOTHING OR EQUIPMENT TO VENTILATE OR OFF-GAS ANY
OXYGEN WHICH MAY HAVE BEEN ABSORBED WHILE USING. NOTE: OXYGEN
VIGOROUSLY ACCELERATES COMBUSTION. CONTACT WITH ALL FLAMMABLE MATERIALS
SHOULD BE AVOIDED. SOME MATERIALS WHICH ARE NOT FLAMMABLE IN
AIR WILL BURN IN PURE OXYGEN.

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

HCC:G4

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

Melt/Freeze Pt:M.P/F.P Text:-360F,-218C

Vapor Density:1.4

Spec Gravity:0.8 LB/FT³(GAS)

Solubility in Water:SLIGHT

Appearance and Odor:GAS IS COLORLESS, ODORLESS

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

ALL FLAMMABLE MATERIALS.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER. DLA-HMIS:

SOURCES OF IGNITION; CONTACT WITH INCOMPAT

IBLE MATERIALS.

Hazardous Decomposition Products:NONE.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

===== 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 IN PLACE TO YOUR SUPPLIER. FOR EMERGENCY DISPOSAL ASSITANCE, CONTACT CLOSEST SUPPLIER OR MSDS EMERGENCY #.

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