

AGA GAS INC -- OXYGEN -- 6505-00-132-5181

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

Product ID:OXYGEN
MSDS Date:03/01/1991
FSC:6505
NIIN:00-132-5181
MSDS Number: CCMNT
=== Responsible Party ===
Company Name:AGA GAS INC
Address:6225 OAKTREE BLVD
City:CLEVELAND
State:OH
ZIP:44131
Country:US
Info Phone Num:216-642-6600
Emergency Phone Num:216-642-6600
CAGE:0KPC9

=== Contractor Identification ===

Company Name:AGA GAS INC
Address:6225 OAKTREE BLVD
Box:94737
City:CLEVELAND
State:OH
ZIP:44101-4737
Country:US
Phone:216-642-6600
CAGE:0KPC9
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

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

Ingred Name:OXYGEN
CAS:7782-44-7
RTECS #:RS2060000
Fraction by Wt: 99.5%

===== Hazards Identification ===

=====

LD50 LC50 Mixture:NOT GIVEN

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 (> 75 MOLAR PERCENT) CAUSES SYMPTOMS OF HYPEROXIA. CONCENTRATIONS BETWEEN 25 AND 75 MOLAR PERCENT A RISK OF INFLAMMATION OF ORGANIC MATTER IN THE BODY.

Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT CONCENTRATIONS OF 0.1% OR GREATER THAT ARE

CARCINOGENS OR SUSPECT CARCINOGENS.

Effects of Overexposure:CRAMPS, NAUSEA, DIZZINESS, HYPOTHERMIA, AMBLYOPIA, RESPIRATORY DIFFICULTIES, BRADYCARDIA, FAINTING SPELLS, CONVULSIONS CAPABLE OF LEADING TO DEATH.

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.

===== 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 FRESH AIR. THEY SHOULD BE KEPT WARM AND QUIET. UNCONSCIOUS PERSONS SHOULD BE MOVED TO FRESH AIR AND BREATHING RESTORED. PHYSICIAN SHOULD BE INFORMED THAT VICTIM HAS HYPEROXIA.

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

Flash Point:NONFLAMMABLE

Lower Limits:NOT GIVEN

Upper Limits:NOT GIVEN

Extinguishing Media:COPIOUS QUANTITIES OF WATER FOR FIRES WITH OXYGEN AS THE OXIDIZER.

Fire Fighting Procedures:IF POSSIBLE, STOP THE FLOW OF OXYGEN WHICH IS SUPPORTING THE FIRE.

Unusual Fire/Explosion Hazard:VIGOROUSLY ACCELERATES COMBUSTION.

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

Spill Release Procedures:EVACUATE ALL PERSONNEL FROM AFFECTED AREA. USE APPROPRIATE PROTECTIVE EQUIPMENT. IF LEAK IS IN USE

'S EQUIPMENT,
BE CERTAIN TO PURGE PIPING WITH AN INERT GAS PRIOR TO STTEMPTING
REPAAIRS. IF LEAK IS I N CONTAINER, CONTACT YOUR CLOSEST SUPPLIER.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:PROTECT CYLINDERS FROM PHYSICAL
DAMAGE. STORE IN COOL, DRY, WELL-VENTILATED AREA AWAY FROM HEAVY
TRAFFICKED AREAS AND EMERGENCY EXITS.

Other Precautions:KEEP AWAY FROM FULL OR EMPTY ST
ORED CYLINDERS WHICH

CONTAIN FLAMMABLE PRODUCTS. DO NOT ALLOW TEMPERATURE WHERE
CYLINDERS ARE STORED TO EXCEED 125F. CYLINDERS SHOULD BE STORED
UPRIGHT AND FIRMLY SECURE D TO PREVENT FALLING.

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

Respiratory Protection:NONE SPECIFIED BY MANUFACTURER.

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

Protective Gloves:ANY MATERIAL AS REQUIRED.

Eye Protection:SAFETY GLASSES OR GOGGLES

Other Pr

otective Equipment:CHEMICAL RESISTANT CLOTHING AS NECESSARY TO
PREVENT SKIN CONTACT. AN EMERGENCY EYEWASH AND SHOWER SHOULD BE
AVAILABLE.

Work Hygienic Practices:WASH HANDS THOROUGHLY WITH SOAP AND WATER
BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

Supplemental Safety and Health

FULL AND EMPTY CYLINDERS SHOULD BE SEGREGATED. USE ONLY IN
WELL-VENTILATED AREAS. VALVE PROTECTION CAPS AND VALVE OUTLET
THREADED PLUGS MUST REMAIN IN PLACE UNLESS CONTAINER IS SECURED

WITH VALVE OUTL ET PIPED TO USE POINT. DO NOT DRYG, SLIDE OR ROLL
CYLINDERS. USE A SUITABLE HANDTRUCK FOR CYLINDER MOVEMENT.

=====
===== Physical/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:NOT GIVEN

Vapor Pres:NOT GIVEN

Vapor Density:NOT GIVEN

Spec Gravity:1.11

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:SLIGHT

Appearance and Odor:COLORLESS, ODORLESS, TASTELE

SS, ELEMENTAL GAS

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

Stability Indicator/Materials to Avoid: YES

ALL FLAMMABLE MATERIALS.

Stability Condition to Avoid: NONE SPECIFIED BY MANUFACTURER.

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 YOUR SUPPLIER.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and

assume responsibility for the suitability of this information to their particular situation.