

NATIONAL WELDERS SUPPLY CO INC -- OXYGEN -- 6830-00-782-2639

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

Product ID:OXYGEN
MSDS Date:07/01/1994
FSC:6830
NIIN:00-782-2639
MSDS Number: BFPGT
=== Responsible Party ===
Company Name:NATIONAL WELDERS SUPPLY CO INC
Address:810 GESCO
Box:31007
City:CHARLOTTE
State:NC
ZIP:28231
Country:US
Info Phone Num:704-333-5475(X308)/FAX 344-1711
Emergency Phone Num:800-866-4
422/800-424-9300(CHEMTREC)
CAGE:18264
=== Contractor Identification ===
Company Name:NATIONAL WELDERS SUPPLY CO INC
Address:810 GESCO ST
Box:31007
City:CHARLOTTE
State:NC
ZIP:28231
Country:US
Phone:704-333-5475
CAGE:18264
Company Name:NATIONAL WELDERS SUPPLY CO, INC
Address:2330 BOWDENS FERRY ROAD
Box:City:NORFOLK
State:VA
ZIP:23508
Country:US
Phone:804-627-5673
CAGE:0SSR7

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

Ingred Name:OXYGEN
CAS:7782-44-7
RTECS #:RS2060000
Fr

action by Wt: 100%

Other REC Limits:NONE RECOMMENDED

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

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:OXYGEN IS VITAL ELEMENT IN ATMOSPHERE
IN WHICH WE LIVE & BREATHE(APPROXIMATELY 21MOLAR%OF ATM).BREATHING
HIGH CONC(>75MOLAR %)CAUSES SYMPTOMS OF HYPEROXIA WHICH INCLUDES
CRA

MPS,NAUSEA,DIZZ,HYPOTHERMIA ,AMBLYOPIA,RESP
DIFFICULTIES,BRADYCARDIA,FAINTING SPELLS,CONVULSIONS CAPABLE OF
LEADING TO DEATH.PROPERTY IS (SIGNS/SYM)

Explanation of Carcinogenicity:PER MSDS:OXYGEN NOT LISTED IN
IARC/NTP/OSHA AS CARCINOGEN OR POTENTIAL CARCINOGEN.

Effects of Overexposure:THAT OF HYPEROXIA WHICH LEADS TO PNEUMONIA.CONC
BETWEEN 25-75 MOLAR % PRESENT RISK OF INFLAMM OF ORGANIC MATTER IN
BODY.PERSONS IN ILL HEALTH WHERE SUCH ILLNESS WOULD BE AGGRAVATED
BY EXPO

TO OXYGEN S HOULD NOT BE ALLOWED TO WORK OR HNDLG THIS
PRODUCT.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:PROMPT MED ATTN IS MANDATORY IN ALL CASES OF OVEREXPO TO
OXYGEN.RESCUE PERSONNEL SHOULD BE COGNIZANT OF EXTREME FIRE HAZ
ASSOC W/OXY-RICH ATM.CONSC PERSON SHOULD BE ASSISTED TO UNCONTAMIN
AREA.BREATH FRESH AIR.KEEP WAR/QUIET.PHYSICIAN SHOULD BE INFORMED
THAT VICTIM

EXPERIENCING(HAS EXPERIENCED)HYPEROXIA.UNCONS PERSON
SHOULD BE MOVED TO UNCONTAMIN AREA/GIVEN ASSIST RESP.BREATH
RESTORED (SUPPLEMENT)

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

Flash Point:NA

Autoignition Temp:Autoignition Temp Text:NA

Lower Limits:NA

Upper Limits:NA

Extinguishing Media:COPIOUS QUANTITIES OF WATER FOR FIRES W/OXYGE AS
OXIDIZER.

Fire Fighting Procedures:IF POSSIBLE STOP THE FLOW OF OXYGEN WHICH IS
SUPPROTING THE FIRE.CYLINDERS INVOLVED

IN FIR SAFELY RELOCATE/KEEP
COOL W/WATERSPRAY.

Unusual Fire/Explosion Hazard:OXYGEN VIGOROUSLY ACCELERATES
COMBUSTION.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 Measures =====

Spill Release Procedures:EVACUATE ALL PERSONNEL FROM AREA.USE
APPROPRIATE PROT EQPMT.IF LEAK IN USER'S EQPMT BE CERTAIN TO PURGE
PIPING W/INERT GAS PRIOR TO ATTEMPTING REPA

IRS.IF LEADK IN

CNTNR/CNTNR VALVE CONTACT YOUR CLOSES T SUPPLIER LOCATION/CALL
EMERG PHONE LISTED HEREIN

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:COMPRESSED GAS CYL NOT BE REFILLED
EXCEPT BY QUAL COMPRESSED GAS PRODUCERS.SHIPMENT OF CYL NOT FILL BY
OWNER/WRITTEN CONSENT FED LAW VIOLATION.(SUPPL)

Other Precautions:ADDN INTO ON HYPEROXIA SEE COMPRESSED GAS ASSOC
PAMP

HLET P-14.PB/AG OR PB/SN ALLOYS GOOD GASKETING

MATLS.TEFLON/KEL-F PREFER NONMETAL GASKETS.SHOULD BE RECOGNIZED
THAT IGN TEMP OF METALS/NONMETALS IN PURE OXY SERVICE DECR W/INCR
OXY PRESSUR

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

Ventilation:LOCAL EXHAUST:TO PREVENT ACCUJULATION >25 MOLAR \$.

Protective Gloves:AS REQUIRED ANY MATERIAL.

Eye Protection:SAFETY GOGGLES OR GLASSES.

Other Protective Equipment:SAFETY SHOES,SAFETY SHOWER.

Work Hygienic Practices:

USE IN WELL-VENTI AREA.USE REDUC VAL.REF:COMP

GAS ASSOC PAMPHLETS P-1,P-14,G-4,G-4.1.TEMP NOT >125F.SEGREGATE
EMPT/FULL.

Supplemental Safety and Health

1ST AID:TREATMENT SHOULD BE AS ABOVE.DONT TREATMENT SHOULD BE
SYMPTOMATIC/SUPPORTIVE. HNDLG/STORAGE:SECURE CYL IN UPRIGHT
POSITION BEF TRANSP.NEVER TRANSPORT IN VEHICLE TRUNKS,ENCLSD
VANS,TRUCK CABS,P ASS COMPARTMENTS.TRANS-SECURED IN OPN
FLATBED/OPN PICKUP TRUCK.DON'T DRAG/ETC CYL;USE SUITABLE HAND
TRUCK.

=====

===== 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:NP

Vapor Pres:>-181.1F

Vapor Density:.828LB/FT3

Spec Gravity:1.11 @70F

pH:NP

Viscosity:NP

Evaporation Rate & Reference:NA (GAS).

Solubility in Water:SLIGHTLY.

Appearance and Odor:COLORLESS, ODORLESS GAS.

Percent Volatiles by Volume:NP

Corrosion Rate:NP

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

Stability

Indicator/Materials to Avoid:YES

ALL FLAMMABLE MATERIALS.

Stability Condition to Avoid:NONE. NOT BE USED AS SUBSTITUTE FOR
COMPRESSED AIR IN PNEUMATIC EQUIPMENT-CONTAINS FLAMMABLE LUBS.

Hazardous Decomposition Products:NONE.

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

Waste Disposal Methods:DON'T ATTEMPT TO DISPOSE OF WASTE/UNUSED
QUANTITY. RETURN IN SHIPPING CONTAINER PROPERLY LABELED WITH ANY VALVE OUTLET
PLUGS/CAPS SECURED/VALVE PROTECTION CAP IN PLACE TO SUPPLIER.FOR
E

EMERGENCY DISPOSAL ASSIST CONTACT CLOSED SUPPLIER LOCATION/CALL EMERGENCY PHONE
LISTED HEREIN

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.