

NATIONAL WELDERS SUPPLY CO INC -- OXYGEN -- 6830-01-333-3151

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

Product ID:OXYGEN

MSDS Date:07/01/1994

FSC:6830

NIIN:01-333-3151

MSDS Number: BXWGP

=== 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:HARSCO CORP., TAYLOR-WHARTON DIV

Address:525 GREEN COVE ROAD

Box:City:HUNTSVILLE

State:AL

ZIP:35803-3011

Country:US

Phone:205-650-9103

CAGE:8N807

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

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

Ingred Name:OXYGEN

CAS:7782-44-7

RTECS #:RS20600

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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:ACUTE: INHALATION OF VERY HIGH CONCENTRATION (GREATER THAN 75 MOLAR PERCENT) OF OXYGEN CAUSES HYPEROXIA-WHICH MAY CAUSE PNEUMONIA. CONCENTRATIONS OF 25-75 MOLAR PERCENT PRESENT A RISK OF INFLAMMATION OF ORGANIC MATTER IN THE BODY. CHRONIC:NONE SPECIFIED BY MANUFACTURER.

Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1% OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.

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

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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 THE EXTREME FIRE HAZARD ASSOCIATED WITH OXYGEN RICH ATMOSPHERES. CONSCIOUS PERSONS SHOULD BE ASSISTED TO AN AREA OF FRESH AIR. UNCONSCIOUS PERSONS SHOULD BE GIVEN ASSISTED RESPIRATION. CONTINUED TREATMENT SHOULD BE SYMPTOMATIC AND SUPPORTIVE.

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

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. IF CYLINDERS ARE INVOLVED IN A FIRE, SAFELY RELOCATE OR KEEP COOL WITH WATER SPRAY.

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

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Spill Release Procedures:EVACUATE ALL PERSONNEL FROM AFFECTED AREA. USE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT. IF LEAK IS IN USER'S EQUIPMENT, BE SURE TO PURGE PIPING W/INERT GAS BEFORE ATEMPTING REPAIRS. IF LEAK IS IN CO NTAINDER, SEE NEAREST LOCAL SUPPLIER.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:USE ONLY IN A WELL-VENTILATED AREA. STORE IN A COOL, DRY, WELL-VENTILATED PLACE AWAY FROM FLAMMABLE MATERIALS. DO NOT ALLOW TEMPERATURE TO EXCEED 130F
Other Precautions:PROTECT CYLINDERS FROM PHYSICAL DAMAGE. STORE AWAY FROM HEAVILY TRAFFICED AREAS AND EMERGENCY EXITS. CYLINDERS SHOULD BE STORED UPRIGHT AND FIRMLY SECURED. FULL AND EMPTY CYLINDERS SHOULD BE SEGRGATED .

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

Respiratory Protection:NONE SPECIFIED BY MANUFACTURER.
Ventilation:USE LOCAL EXHAUST TO MAINTAIN CONCENTRATION BELOW 25 MOLAR PERCENT.
Protective Gloves:AS REQUIRED, ANY MATERIAL.
Eye Protection:SAFETY GLASSES/GOGGLES.
Other Protective Equipment:SAFETY SHOES, SAFETY SHOWER.
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.
Supplemental Safety and Health
SARA 313: NONE. OXYGEN SHOULD NOT BE USED AS A SUBSTITUTE FOR COMPRESSED AIR IN PNEUMATIC EQUIPMENT SINCE THIS USUALLY HAS FLAMMABLE LUBRICANTS. SPECIAL PACKAGING RECOMMENDATIONS: LEAD,SILVER,OR LEAD/ TIN ALLOYS ARE GOOD GASKET MATERIALS; TEFLON AND KEL-F ARE PREFERRED NON-METAL GASKETS.

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

HCC:G4
Boiling Pt:B.P. Text:-297F,-183C
Melt/Freeze Pt:M.P/F.P Text:-362F,-219C
Vapor Density:0.828FT/LB
Spec Gravity:1.11
Solubility in Water:SLIGHT
Appearance and Odor:COLORLESS, ODORLESS GAS.
Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES
ALL FLAMMABLE MATERIALS

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Stability Condition to Avoid:NONE.

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 SECURED AND VALVE PROTECTION CAP IN PLACE TO YOUR SUPPLIER. FOR EMERGENCY DISPOSAL, SEE LOCAL SUPPLIER.

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