

SUNOX INC -- OXYGEN, COMPRESSED GAS (UN1072) -- 6830-00-169-0805

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Product Identification
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Product ID:OXYGEN, COMPRESSED GAS (UN1072)

MSDS Date:02/29/1992

FSC:6830

NIIN:00-169-0805

Status Code:A

MSDS Number: CLPRJ

=== Responsible Party ===

Company Name:SUNOX INC

Address:4236 STATESVILLE RD

Box:33871

City:CHARLOTTE

State:NC

ZIP:28233

Country:US

Info Phone Num:704-596-6262

Emergency Phone

Num:800-868-7780

Chemtrec Ind/Phone:(800)424-9300

CAGE:6Z872

=== Contractor Identification ===

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Composition/Information on Ingredients
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Ingred Name:OXYGEN

CAS:7782-44-7

RTECS #:RS2060000

= Wt:100.

OSHA PEL:NONE ESTABLISHED

ACGIH TLV:NONE ESTABLISHED

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Hazards Identification
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Health Hazard

s Acute and Chronic: PURE OXYGEN, ESPECIALLY IF NOT PROPERLY HUMIDIFIED, MAY CAUSE MUCOUS MEMBRANE IRRITATION AND PULMONARY EDEMA AFTER 24 HOURS. AIR NORMALLY CONTAINS 20-21% OXYGEN. AS EXPOSURE TO HIGHER CONCENTRATIONS AND/OR GREATER THAN ATMOSPHERIC PRESSURE CONTINUES SYMPTOMS OF TOXICITY MAY DEVELOP AND INCREASE IN SEVERITY. IT MAY AFFECT RESPIRATORY, NERVOUS & CARDIAC SYSTEM. CHRONIC: DECREASE IN LUNG FUNCTION, RESPIRATORY ATROPHY.

Effects of Overexposure: MUCOUS MEMBRANE IRRITATION AND PULMONARY EDEMA

AFTER 24 HOURS. RESPIRATORY SYSTEM EFFECTS MAY INCLUDE A PROGRESSIVE DECREASE IN VITAL CAPACITY, TIGHTNESS IN THE CHEST AND DISCOMFORT, COUGHING, CONGESTION, TRACHEOBRONCHITIS, PNEUMONIA, EDEMA, ATELECTASIS AND INCREASED DEPTH OF RESPIRATION, RAPID PANTING OR ASTHMA-LIKE ATTACKS, APNEA IN INSPIRATORY POSITION, FIBROBLASTIC PROLIFERATION. CARDIOVASCULAR SYSTEM EFFECTS: BRADYCARDIA, HYPERTHERMIA, PERIPHERAL VASOCONSTRICTION. OTHERS:

NAUSEA, DIZZINESS, MALAISE, SEIZURES, IMPAIRED VISION. IN PREGNANT WOMAN, 100% OXYGEN/20 MINUTES CAN CAUSE VARIABLE FETAL CARDIAC RATE.

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

First Aid: INHALATION: REMOVE FROM EXPOSURE AREA TO FRESH AIR IMMEDIATELY. IF BREATHING HAS STOPPED, PERFORM ARTIFICIAL RESPIRATION. KEEP PERSON WARM & AT REST. TREAT SYMPTOMATICALLY & SUPPORTIVELY. GET MEDICAL ATTENTION IMMEDIATELY. SKIN: IT IS UNLIKELY THAT EMERGENCY

TREATMENT WILL BE REQUIRED. IF ADVERSE EFFECTS OCCUR, GET MEDICAL ATTENTION. IN CASE OF FROSTBITE, WARM AFFECTED SKIN IN WARM WATER AT A TEMPERATURE OF 107F. IF WARM WATER IS NOT AVAILABLE OR IMPRACTICAL TO USE, GENTLY WRAP AFFECTED PART IN BLANKETS, ENCOURAGE VICTIM TO EXERCISE AFFECTED PART WHILE IT IS BEING WARMED. ALLOW CIRCULATION TO RETURN NATURALLY. GET MEDICAL

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

Extinguishing Media: DRY CHEMICAL, CARBON DIOXIDE OR HALON. FOR LARGER FIRES, USE WATER SPRAY, FOG, OR STANDARD FOAM. (1990 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.4)

Fire Fighting Procedures: MOVE CONTAINER FROM FIRE AREA IF POSSIBLE. STAY AWAY FROM STORAGE TANK ENDS. COOL FIRE-EXPOSED CONTAINERS WITH WATER FROM SIDE UNTIL WELL AFTER FIRE IS OUT. FOR MASSIVE FIRE IN STORAGE AREA, USE UNMANNED HOSE HOLDER OR MONITOR NOZZLES, ELSE WITHDRAW FROM AREA & LET FIRE BURN (1990 EMERGENCY RESPONSE GUIDEBOOK)

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Unusual Fire/Explosion Hazard: NEGLIGIBLE FIRE HAZARD WHEN EXPOSED TO HEAT OR FLAME. OXIDIZERS DECOMPOSE, ESPECIALLY WHEN HEATED TO YIELD OXYGEN OR OTHER GASES WHICH WILL INCREASE THE BURNING RATE OF COMBUSTIBLE MATTER. CONTACT WITH EASILY OXIDIZABLE, ORGANIC, OR OTHER COMBUSTIBLE MATERIALS MAY RESULT IN IGNITION, VIOLENT COMBUSTION OR EXPLOSION.

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

Spill Release Procedures: KEEP COMBUSTIBLES (WOOD, PAPER, OIL, ETC.)

AWAY FROM HAZARD AREA. STOP LEAK IF YOU CAN DO IT WITHOUT RISK. KEEP UNNECESSARY PEOPLE AWAY; ISOLATE AREA AND DENY ENTRY. VENTILATE CLOSED SPACES BEFORE ENTERING.

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

Handling and Storage Precautions: OBSERVE ALL FEDERAL, STATE AND LOCAL REGULATIONS WHEN STORING OR DISPOSING OF THIS SUBSTANCE. FOR ASSISTANCE, CONTACT THE DISTRICT DIRECTOR OF THE ENVIRONMENTAL PROTECTION AGENCY. STORE IN ACCORDANCE WITH 29 CFR 1910.104.

Other Precautions: AVOID CONTACT WITH COMBUSTIBLE MATERIALS (WOOD, PAPER, FUEL, OILS, ETC.); CONTACT MAY RESULT IN IGNITION OR EXPLOSION. DO NOT PERMIT PHYSICAL DAMAGE OR OVERHEATING OF CONTAINERS. CONTENTS UNDER PRESSURE; CONTAINER MAY VIOLENTLY RUPTURE AND TRAVEL A CONSIDERABLE DISTANCE.

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

Respiratory Protection: ANY SUPPLIED-AIR RESPIRATOR OPERATED IN PRESSURE-DEMAND OR OTHER POSITIVE PRESSURE MODE. ANY SCBA. FOR FIREFIGHTING & OTHER IMMEDIATELY DANGEROUS TO LIFE OR HEALTH CONDITIONS: SCBA WITH FULL FACEPIECE OPERATED IN PRESSURE-DEMAND OR OTHER POSITIVE PRESSURE MODE. SUPPLIED-AIR RESPIRATOR WITH FULL FACEPIECE & OPERATED IN PRESSURE-DEMAND OR OTHER POSITIVE

Ventilation: PROVIDE GENERAL DILUTION VENTILATION.

Protective Gloves: WEAR FULL PROTECTIVE, COLD INSULATING GLOVES.

Eye Protection: FOR THE GAS FORM EYE PROTECTION IS NOT REQUIRED BUT RECOMMENDED.

Other

Protective Equipment:WHERE THERE IS ANY POSSIBILITY OF CONTACT WITH THE LIQUID FORM, EMPLOYEE MUST WEAR SPLASH-PROOF SAFETY GOGGLES AND A FACESHIELD TO PREVENT CONTACT WITH THIS SUBSTANCE. CONTACT LENSES SHOULD NOT BE WORN.

Supplemental Safety and Health

WHERE THERE IS ANY POSSIBILITY THAT AN EMPLOYEE'S EYES AND/OR SKIN MAY BE EXPOSED TO THE LIQUID FORM OF THIS SUBSTANCE, THE EMPLOYER SHOULD PROVIDE AN EYE WASH FOUNTAIN AND QUICK DRENCH SHOWER WITHIN THE IMMEDIATE WORK AREA FOR EMERGENCY USE.

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

HCC:G4

Boiling Pt:=-182.6C, -297.F

Melt/Freeze Pt:=-218.3C, -361.F

Vapor Pres:760 MMHG @ -183C

Vapor Density:1.1

Spec Gravity:1.309 G/L @25C

Viscosity:0.02075 CPS @25C

Solubility in Water:3.2% @25C

Appearance and Odor:COLORLESS, TASTELESS, GAS; ODORLESS

Percent Volatiles by Volume:GAS

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

Stability Indicator/Materials to Avoid:YES

ACETAL

DEHYD, ACETYLENE, ETHERS, POLY(ACRYLONITRILE-BUTADIENE),ALKALI & ALKALINE EARTH METALS, AMMONIA, COMBUSTIBLES, ORGANICS, HYDROCARBONS, OILS, GASOLINE, METAL HYDRIDES, SILANES, CARBON, HYDROGEN SULFIDE, POTASSIUM PERO

Hazardous Decomposition Products:NONE HAZARDOUS.

Conditions to Avoid Polymerization:HAS NOT BEEN REPORTED TO OCCUR UNDER NORMAL TEMPERATURE AND PRESSURES.

===== Toxicological Information =====

Toxicological Information:TOXICITY DATA:10

0 PPH/14 HOURS INHALATION-

HUMAN TCL0; REPRODUCTION EFFECTS DATA (RTECS), MUTAGENIC DATA (RTECS) CARCINOGENIC STATUS: NONE. TARGET EFFECTS: POISONING MAY EFFECT THE PULMONAY, CARDIOVAS CULAR, NERVOUS SYSTEM AND THE EYE. ADDITIONAL DATA: TOXIC ACTION IS GREATLY ENHANCED BY EXERCISE OR BY PRESENCE OF MODERATE AMOUNTS OF CARBON DIOXIDE.

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

Waste Disposal Methods:DO NOT ATTEMPT TO DISPOSE OF RESIDUAL OR UNUSED

QUANTITIES. RETURN IN THE SHIPPING CONTAINER TAGGED TO INDICATE A DEFECT AND PROPERLY LABELED, WITH ANY VALVE OUTLET PLUGS OR CAPS SECURED AND VALVE PROTECTION CAP IN PLACE TO SUNOX, INC. FOR PROPER DISPOSAL. FOR EMERGENCY DISPOSAL CONTACT SUNOX, INC.

===== MSDS Transport Information =====

Transport Information:PSN: OXYGEN, COMPRESSED, UN1072. LABEL:
NON-FLAMMABLE GAS.

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

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