

SCOTT SPECIALTY GASES -- OXYGEN -- 6830-00-042-8132

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Product Identification
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Product ID:OXYGEN
MSDS Date:09/02/1997
FSC:6830
NIIN:00-042-8132
MSDS Number: BGVRM
=== Responsible Party ===
Company Name:SCOTT SPECIALTY GASES
Address:6141 EASTON RD
Box:310
City:PLUMSTEADVILLE
State:PA
ZIP:18949
Country:US
Info Phone Num:215-766-8861
Emergency Phone Num:215-766-8861
CAGE:51847
=== Contractor
Identification ===
Company Name:SCIENTIFIC GAS PRODUCTS
Address:2330 HAMILTON BLVD
Box:City:SOUTH PLAINFIELD
Phone:201-754-7700
CAGE:4A579
Company Name:SCOTT SPECIALTY GASES
Address:6141 EASTON RD (6141 ROUTE 611)
Box:310
City:PLUMSTEADVILLE
State:PA
ZIP:18934
Country:US
Phone:215-766-8861/ FAX: 215-766-0416
CAGE:51847

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Composition/Information on Ingredients
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Ingred Name:OXYGEN
CAS:7782-44-7
RTECS #:RS2060000
Fraction by Wt: 99%+
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:N/AP

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EXTENDED EXPO TO OXY @HI PRESSURES MAY BE HAZ.A VARIETY OF CNS EFFECTS MAY RESULT FROM BREATHING OXY GREATER THAN 2ATM.SYMPTOMS INCLUDE DIZZ,IMPAIRED COORDINATION,VISUAL/HEARING DISTURBANCES,SEIZURES. CAN CAUSE FROSTBITE & BURNS TO SKIN/EYES.CHRONIC:P

ROL BREATH OF VERY COLD ATM

CAN CAUSE LUNG DMG.PROL EXPO TO (SUPPLEME)

Explanation of Carcinogenicity:PER

MSDS:CARCINOGENICITY:NTP/IARC/OSHA:NO.

Effects of Overexposure:DIZZINESS,IMPAIRED COORDINATION,VISUAL/HEARING DISTURBANCES,SEIZURES,FROSTBITE,BURNS TO SKIN/EYE.LUNG DAMAGE,HYPOTHERMIA.

Medical Cond Aggravated by Exposure:NONE KNOWN.

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

First Aid:INHAL:IMMED REMOVE TO FRESH AIR.STOP BREATH GIVE ARET RESP;B

REATH DIFF GIVE OXY.EYE:REMOVE FROM SOURCE OF CONTACT.RINSE IMMED W/PLENTY OF WATER.SEEK MED ADVICE.SKIN:DONT APPLY DIRECT HEAT.DO NOT RUB F ROZEN AREA.FLUSH AFFECTED AREA W/TEPID WATER.INGEST:NONE.IN EVENT OF EXPOSURE CONSULT PHYSICIAN.NOTE TO PHYSICIAN:NONE.

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

Flash Point:NON-FLAMMABLE

Autoignition Temp:Autoignition Temp Text:N/AVAI

Lower Limits:NON-FLAMM

Upper Limits:NON-FLAMM

Extinguishing Media:USE EXTINGUI

SH MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR SELF-CONTAIN BREATH APPARATUS & FULL PROTECTIVE CLOTH.KEEP FIRE EXPO CYL COOL W/WATERSPRAY.IF POSSIBLE STOP PROD FLOW.MOVE CNTNR FROM FIRE AREA IF POSSIBLE

Unusual Fire/Explosion Hazard:CYL RUPTURE MAY OCCUR UNDER FIRE CONDITIONS.HIGH OXIDIZING ATMOSPHER INCREASES LIKELIHOOD OF FIRES.OXYGEN VIGOROUSLY SUPPORTS COMBUSTION.

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

Spill Release

Procedures:EVACUATE AND VENTILATE AREA.SHUT OFF SOURCE OF
POSSIBLE & REMOVE SOURCE OF HEAT.SPECIALIZED EQPMT:NONE.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:HIGH PRESSURE OXIDIZING GAS.VIGOROUSLY
ACCELERATES COMBUSTION.SECURE CYL WHEN USING TO PROTECT FROM
FALLING.USE SUITABLE HAND TRUCK TO MOVE CYL.

Other Precautions:USE ONLY OXY CLEANED EQPMT.AVOID OILS/GREASES.OXY RXS

VIOLENTLY W/HYDROCARBONS PARTICULARLY @HI PRESSURE.STORE IN WELL
VENTI AREAS AWAY FRM COMBUSTIBLES.KEEP VALVE PROTECTION CAP ON CYL
WHEN NOT IN USE.PROTECT CYL FRM PHYS DMG.DONT (SUPPLE)

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

Respiratory Protection:IN CASE OF LEAKAGE USE SELF-CONTAINED BREATHING
APPARATUS.

Ventilation:PROVIDE ADEQUATE GENERAL AND LOCAL EXHAUST VENTILATION.

Protective Gloves:NONE

Eye Protection:SAFETY GLASSES

Other Protective Equipme

nt:SAFETY SHOERS WHEN HANDLING CYLINDERS.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

HEALTH:COLD AREAS CAN RESULT IN HYPOTHERMIA. OTHER PRECAUT:DEFACE
CYL/LABELS.CYL SHOULD BE REFILLED BY QUALIFIED PRODUCERS OF
COMPRESSED GAS.SHIPMENT OF COMPRESSED GAS CYL WHICH HASNT BEEN
FILLED BY OWNER OR W/HIS WRITTEN CONSENT IS VIOLATION OF FED
LAW(49CFR).

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

HCC:G4

Boiling Pt:B.P.

Text:-297F,-183C

Melt/Freeze Pt:M.P/F.P Text:NP

Decomp Temp:Decomp Text:NP

Vapor Pres:N/AP

Vapor Density:1.105

Spec Gravity:GAS

pH:NP

Viscosity:NP

Evaporation Rate & Reference:GAS

Solubility in Water:4.89CM3/100CM3

Appearance and Odor:COLORLESS, ODORLESS GAS

Percent Volatiles by Volume:NP

Corrosion Rate:NP

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

Stability Indicator/Materials to Avoid:YES

REACTS VIOLENTLY W/PHOSPHINE,HYDRAZINE,ETHERS,ALCOHOLS,HYDROGEN
SULFID

E,AND HYDROCARBONS.

Stability Condition to Avoid:STORAGE IN POORLY VENTILATED AREAS.STORAGE NEAR HEAT SOURCE.

Hazardous Decomposition Products:NONE

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

Waste Disposal Methods:NON-RETURNABLE CYL MUST NOT BE REFILLED.DISPO OF NON-REFILLABLE CYL IN ACCORDANCE W/FED/STATE/LOC REGS.ALLOW GAS TO DISCHARGE @MODERTE RATE.RETURN CYL TO SUPPLIER W/ANY VALVE OUTLET PLUGS/CAPS SECURED & VALVE PROTECTGION CAP IN PLACE.SARA

TPQ=10000LB

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