

OXNARD WELDING SUPPLIES -- HELIUM -- 6830-01-008-3431

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

Product ID:HELIUM
MSDS Date:12/01/1992
FSC:6830
NIIN:01-008-3431
MSDS Number: CCZCJ
=== Responsible Party ===
Company Name:OXNARD WELDING SUPPLIES
Address:241 E HUENEME RD
City:PORT HUENEME
State:CA
ZIP:93041
Country:US
Info Phone Num:805-488-3563
Emergency Phone Num:805-488-3563
CAGE:0GXH1
=== Contractor Identification ===
Company Name:OXNARD WELDING SUPPLIES
Address:241 E HUENEME RD
Box:City:PORT HUENEME
State:CA
ZIP:93041
Country:US
Phone:805-488-3563
CAGE:0GXH1

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

Ingred Name:HELIUM
CAS:7440-59-7
RTECS #:MH6520000
Fraction by Wt: 100%
OSHA PEL:N/K
ACGIH TLV:N/K

Ingred Name:HNDLG/STOR PRECS: DEFICIENCY. STORE & USE W/ADEQ VENT.
CLOSE VALVE WHEN NOT IN USE & WHEN EMPTY. DO NOT STRIKE (ING 3)
RTECS #:9999999ZZ

Ingred Name:IN

G 2: ARC ON CYL. DO NOT GROUND CYL OR ALLOW TO BECOME
PART OF ELECTRICAL CIRCUIT.

RTECS #:9999999ZZ

Ingred Name:OTHER PRECS: OR OTHER TRAINED PERSON WHEN YOU MAKE YOUR
SAFETY EVAL OF END PROD. REMEMBER, GASES & LIQS HAVE (ING 5)

RTECS #:9999999ZZ

Ingred Name:ING 4: PROPERTIES WHICH CAN CAUSE SERIOUS INJURY/DEATH. BE
SURE TO READ & UNDERSTAND ALL LABELS & OTHER (ING 6)

RTECS #:9999999ZZ

Ingred Name:ING 5: INSTRUCTIONS SUPPLIED W/ALL CNTNRS OF THIS PROD.
WHEN USED IN WELDING & C

UTTING:READ & UNDERSTAND MFR'S (ING 7)

RTECS #:9999999ZZ

Ingred Name:ING 6: INSTRUCTIONS & PRECAUTIONARY LABEL ON PROD. SEE
AMERICAN STD Z49.1 "SAFETY IN WELDING & CUTTING" PUB BY (ING 8)

RTECS #:9999999ZZ

Ingred Name:ING 7: AWS & OSHA PUB 2206 (29 CFR 1910), US GOVT PRINTING
OFFICE, WASHINGTON, DC 20402 FOR MORE DETAIL. FOR (ING 9)

RTECS #:9999999ZZ

Ingred Name:ING 8: FURTHER SFTY & HEALTH INFO, REFER TO PRAXAIR'S FREE
PUB, L-52-529. NOTE:SUITABILITY FOR USE AS (ING 10)

RTECS #:9

999999ZZ

Ingred Name:ING 9:COMPONENT IN UNDERWATER BRTHG GAS MIXS IS TO BE
DETERMINED BY OR UNDER SUPERVISION OF PERS EXPERIENCED IN (ING 11)

RTECS #:9999999ZZ

Ingred Name:ING 10: USE OF UNDERWATER BRTHG GAS MIXS & FAMILIAR W/EFTS,
METHS, FREQUENCY & DURATION OF USE, HAZS, SIDE EFTS (ING 12)

RTECS #:9999999ZZ

Ingred Name:ING 11: & PRECS TO BE TAKEN. FOR SAFETY INFO ON GEN HNDLG
OF COMPRESSED GAS CYLS, OBTAIN A COPY OF PAMPHLET P-1,(ING 13)

RTECS #:9999999ZZ

Ingred Name:ING 12:"SA

FE HANDLING OF COMPRESSED GAS IN CONTAINERS" FROM
COMPRESSED GAS ASSOC, INC, 1725 JEFFERSON DAVIS HWY,(ING 14)
RTECS #:9999999ZZ

Ingred Name:ING 13: SUITE 1004, ARLINGTON, VA 22202. NEVER WORK ON A
PRESSURIZED SYS. IF THERE IS A LEAK, CLOSE CYL VALVE, (ING 15)
RTECS #:9999999ZZ

Ingred Name:ING 14: BLOW DOWN THE SYSTEM BY VENTING TO SAFE PLACE, THEN
REPAIR THE LEAK.
RTECS #:9999999ZZ

Ingred Name:RESP PROT: CONFINED SPACES. THE RESPIRATORY PROTECTION USE
MUST CONFORM W/OSHA RULE
S AS SPECIFIED IN 29 CFR 1910.134.
RTECS #:9999999ZZ

Ingred Name:VENT: WORKER'S BRTHG ZONE. MECH (GEN): UNDER CERTAIN
CNDTNS, GEN EXHST VENT MAY BE ACCEPTABLE PROVIDED IT IS (ING 18)
RTECS #:9999999ZZ

Ingred Name:ING 17: ADEQ TO MAINTAIN CONC OF HAZ FUMES & GASES BELOW
APPLICABLE TLVS IN WORKER'S BRTHG ZONE. SPECIAL/OTHER:NONE.
RTECS #:9999999ZZ

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inha

lation:YES Skin:NO Ingestion:NO

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

Health Hazards Acute and Chronic:INGESTION: AN UNLIKELY ROUTE OF
EXPOSURE. THIS PRODUCT IS A GAS AT NORMAL TEMPERATURE AND PRESSURE.
SKIN CONTACT/ABSORPTION: NO EVIDENCE OF ADVERSE EFFECTS FROM
AVAILABLE INFORMATION. INHALATION: ASPHYXIANT. MODERATE
CONCENTRATIONS MAY CAUSE HEADACHE, DROWSINESS, DIZZINESS,
EXCITATION, EXCESS (EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT

Eff

Effects of Overexposure:HLTH HAZ: SALIVATION, VOMITING AND
UNCONSCIOUSNESS. EYES: NO EVIDENCE OF ADVERSE EFFECTS FROM
AVAILABLE INFORMATION. CHRONIC: NO EVIDENCE OF ADVERSE EFFECTS FROM
AVAILABLE INFORMATION. OTHER EFFECTS: NONE CURRENTLY KNOWN. THIS
PRODUCT IS AN ASPHYXIANT. LACK OF OXYGEN CAN CAUSE DEATH.

Medical Cond Aggravated by Exposure:A KNOWLEDGE OF THE AVAILABLE
TOXICOLOGY INFORMATION AND OF THE PHYSICAL AND CHEMICAL PROPERTIES
OF THE MATERIAL SUGGEST THAT OVEREXPO

SURE IS UNLIKELY TO AGGRAVATE
EXISTING MEDICAL CONDITIONS.

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

First Aid:INGEST: CALL MD IMMED . THIS PROD IS A GAS AT NORMAL TEMP &
PRESS. SKIN: WASH W/SOAP & WATER. INHAL: REMOVE TO FRESH AIR. GIVE
ARTF RESP IF NOT BREATHING. GIVE OXYGEN IF BREATHING IS DIFFICULT.
CALL MD. EYES: FLUSH W/WATER FOR AT LEAST 15 MIN. NOTE TO MD: THERE
IS NO SPECIFIC ANTIDOTE. THIS PROD IS INERT. TREATMENT OF OVEREXP
SHOULD
BE DIRECTED AT THE CONTROL OF SYMPS & CLINICAL CONDITION.

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

Extinguishing Media:HELIUM CANNOT CATCH FIRE. USE MEDIA APPROPRIATE FOR
SURROUNDING FIRE.

Fire Fighting Procedures:USE NIOSH APPRVD SCBA & FULL PROT EQUIP .
EVACUATE ALL PERS FROM DANGER AREA. IMMED DELUGE CNTNRS W/WATER
SPRAY FROM MAX DIST UNTIL COOL, THEN (SUPDAT)

Unusual Fire/Explosion Hazard:HELIUM (HIGH PRESS GAS) CANNOT CATCH
FIRE. CNTNR MAY RUPTU

RE DUE TO HEAT OF FIRE. NO PART OF A CNTNR
SHOULD BE SUBJECTED TO TEMP HIGHER THAN 52C (SUPDAT)

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

Spill Release Procedures:EVACUATE ALL PERS FROM DANGER AREA. USE NIOSH
APPRVD SELF-CONTAINED BREATHING APPARATUS WHERE NEEDED. SHUT OFF
LEAK IF W/OUT RISK. VENTILATE AREA OR MOVE LEAKING ASSEMBLY TO
WELL-VENTILATED AREA. TEST AREA, ESPECIALLY CONFINED AREAS, FOR
(SUPDAT)

Neutralizing Agent:NONE SPECIFIED BY MANUF
ACTURER.

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

Handling and Storage Precautions:HIGH PRESS GAS. USE PIPING & EQUIP
ADEQUATELY DESIGNED TO W/STAND PRESS TO BE ENCOUNTERED. CAN CAUSE
RAPID SUFFOCATION DUE TO OXYGEN (ING 2)

Other Precautions:MIXTURES: WHEN TWO OR MORE GASES OR LIQUIFIED GASES
ARE MIXED, THEIR HAZ PROPERTIES MAY COMBINE TO CREATE ADDNL,
UNEXPECTED HAZS. OBTAIN & EVALUATE SAFETY INFO FOR EACH COMPONENT
BEFORE YOU PRDCE MIXT URE. CON

SULT INDUS HYGIENIST (ING 4)

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

Respiratory Protection:USE NIOSH APPRVD AIR-PURIFYING OR AIR-SUPPLIED RESPS, AS APPROP, WHERE LOC &/OR GEN EXHST VENT IS NOT ADEQ TO KEEP WORKER EXPOS BELOW APPLIC TLVS DURING WELDING W/PROD. NIOSH APPRVD AIR SUPPLIED RESP IS REQD WHILE WORKING IN (ING 16)

Ventilation:LOC EXHST: USE LOC EXHST VENT SYS, IF NEC, TO MAINTAIN CONC OF HAZ FUMES & GASES BELOW APPLIC TLVS IN (ING 17)

Prot

ective Gloves:IMPERVIOUS GLOVES .

Eye Protection:ANSI APPRVD CHEM WORKERS GOGGLES .

Other Protective Equipment:ANSI APPROVED EYE WASH & DELUGE SHOWER . METATARSAL SHOES FOR CYL HNDLG. SELECT I/A/W OSHA 29 1910.132 & 1910.133.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

FIRE FIGHT PROC: MOVE CNTNRS AWAY FROM FIRE AREA IF W/OUT RISK. EXPLO HAZ: (APPROX 125F). MOST CNTNRS ARE PROVIDED W/PRESS RELIEF DEVICE DESIGNED TO VENT CONTENTS WHEN THE Y ARE EXPOS TO ELEVATED TEMP.

SPILL PROC: SUFFICIENT OXYGEN CONTENT PRIOR TO PERMITTING RE-ENTRY OF PERSONNEL.

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

Boiling Pt:B.P. Text:-454F,-270C

Melt/Freeze Pt:M.P/F.P Text:-458F,-272C

Vapor Pres:GAS

Vapor Density:0.138

Spec Gravity:GAS (H*2O=1)

Solubility in Water:NEGLIGIBLE

Appearance and Odor:COLORLESS GAS AT NORMAL TEMPERATURE AND PRESSURE; ODORLESS.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

NONE CURRENTLY KNOWN. HELIUM IS CHEMICALLY INERT.

Stability Condition to Avoid:SEE SPECIAL PRECAUTIONS.

Hazardous Decomposition Products:NONE.

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

Waste Disposal Methods:SLOWLY RELEASE INTO THE ATMOSPHERE. DISCARD ANY PRODUCT, RESIDUE, DISPOSABLE CONTAINER OR LINER IN AN ENVIRONMENTALLY ACCEPTABLE MANNER, IN FULL COMPLIANCE WITH FEDERAL,

STATE AND LOCAL REGULATIONS.

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.