

LINCOLN ELECTRIC CO -- FLEETWELD 37 COVERED ELECTRODE, AWS E6013, AL

=====  
MSDS Safety Information  
=====

FSC: 3439  
NIIN: 00-262-2648  
MSDS Date: 03/02/1994  
MSDS Num: BWSRP  
Product ID: FLEETWELD 37 COVERED ELECTRODE, AWS E6013, ALL SIZES  
MFN: 02  
Responsible Party  
Cage: 36232  
Name: LINCOLN ELECTRIC CO  
Address: 22801 ST CLAIR  
AVE  
City: CLEVELAND OH 44117-1199  
Info Phone Number: 216-481-8100  
Emergency Phone Number: 216-481-8100  
Review Ind: Y  
Published: Y

=====  
Contractor Summary  
=====

Cage: 36232  
Name: THE LINCOLN ELECTRIC CO  
Address: 22801 ST CLAIR AVE  
City: EUCLID OH 44117-1199  
Phone: 216-481-8100

=====  
Item Description Information  
=====

=====  
Item Manager: S9G  
Item Name: ELECTRODE, WELDING  
Specification Number: QQ-E-450  
Type/Grade/Class: CLS 1, 6013 TY  
Unit of Issue: LB  
UI Container Qty: A  
Type of Container: ROD

=====  
Ingredients  
=====

Cas: 13463-67-7  
RTECS #: XR2275000  
Name: TITANIUM DIOXIDE (AS TI)  
% Wt: 10  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: 15 MG/M3 TDUST  
ACGIH TLV: 10 MG/M3 TDUST; 9394  
-----

-----  
Cas: 1332-58-7  
RTECS #: GF1670500  
Name: MINERAL SILICATES  
% Wt: 10  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: 15 MG/M3 TDUST  
ACGIH TLV: 2 MG/M3 TDUST;9394  
-----

Cas: 7439-89-6  
RTECS #: NO4565500  
Name: IRON  
% Wt: 5  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: NOT ESTABLISHED  
ACGIH TLV: NOT ESTABLISHED  
-----

Cas: 1344-09-8  
Name: SILICATES AND OTHER BINDERS  
% Wt: &lt;5  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: NOT ESTABLISHED  
A  
CGIH TLV: NOT ESTABLISHED  
-----

Cas: 7439-96-5  
RTECS #: OO9275000  
Name: MANGANESE (SARA III) & OR MANGANESE ALLOYS & COMPUNDS (AS MN)  
% Wt: &lt;5  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: C 5 MG/M3  
ACGIH TLV: 5 MG/M3, DUST; 9394  
-----

Cas: 1317-65-3  
RTECS #: EV9580000  
Name: CALCIUM CARBONATE & OR LIMESTONE.  
% Wt: &lt;5  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: 15 MG/M3 TDUST  
ACGIH TLV: 10 MG/M3 TDUST; 9394  
-----

-----  
Cas: 65996-61-4  
Name: CELLULOSE AND OTHER CARBONYDRATES  
% Wt: &lt;5  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: NOT ESTABLISHED  
ACGIH TLV: NOT ESTABLISHED  
-----

Cas: 1314-13-2  
RTECS #: ZH4810000  
Name: ZINC & OR ZINC OXIDES  
% Wt: &lt;0.5  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: 15 MG/M3 TDUST  
ACGIH TLV: 10MG/M3 TDUST; 9394  
-----

Cas: 7429-90-5  
RTECS #: BD0330000  
Name: ALUMINUM & OR ALUMINUM ALLOYS (AS AL) (SARA III)  
% Wt: &lt;0.5  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: 15MG/M3 DUST/5 FUME  
ACGIH TLV: 10MG/M3 DUST; 9394  
-----

Cas: 7439-89-6  
RTECS #: NO4565500  
Name: CARBON STEEL CORE WIRE  
% Wt: 60  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: NOT ESTABLISHED  
ACGIH TLV: NOT ESTABLISHED  
-----

Name: PER MSDS ALL INGRED LISTED MAY NOT BE PRESENT IN ALL SIZES.  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: NOT ESTABLISHED  
ACGIH TLV: NOT ESTABLISHED  
=====

Health Hazards Data  
=====

LD50 LC50 Mixture: TLV:5MG/M3 WELDING FUME NOC (ACGIH)  
Route Of Entry Inds - Inhalation: YES  
Skin: NO  
Ingestion: NO  
Carcinogenicity Inds - NTP: NO  
IARC: NO  
OSHA: NO  
Effects of Exposure: FUMES/GASES CAN BE DANGEROUS TO HEALTH.MAY RESULT IN DISCOMFORT.OVEREXPO TO WELDING FUMES CAN LEAD TO SIDEROSIS & AFFECT PULM FUNCTION.MANGANESE OVEREXPO CAN AFFECT CNS.BRONCHITIS & SOME LUNG

FIBROSIS HAVE BEEN REPORTED.ARC RAYS CAN INJUREEYES/BURN SKIN.ELECTR SHOCK CAN KILL.

Signs And Symptions Of Overexposure: METAL FUME FEVER, DIZZINESS, NAUSEA, DRYNESS OR IRRIT OF NOSE/THROAT/EYES. SIDEROSIS (IRON DEPOSITS IN LUNG), AFFECT PULM FUNCTION. IMPAIRED SPEECH & MOVEMENT. BRONCHITIS & SOME LUNG FIBROSIS. INJURY TO EYE, BURN SKIN. DEATH FRM ELECTRIC SHOCK.

Medical Cond Aggravated By Exposure: NONE SPECIFIED BY MANUFACTURER.

First Aid: CALL FOR MEDICAL AID. EMPLOY FIRS

T AID TECHNIQUES RECOMMENDED BY

AMTERICAN RED CROSS. IF BREATHING IS DIFFICULT GIVE OXY. IF NOT BREATHING EMPLOY CPR (CARDIOPULMONARY RESUSCITATION) TECHNIQUES. IN CAS E OF ELECTRICAL SHOCK TURN OFF POWER & FOLLOW RECOMMENDED TREATMENT. IN ALL CASES CALL A PHYSICIAN.

=====  
Handling and Disposal  
=====

Spill Release Procedures: NONE SPECIFIED BY MANUFACTURER. HOWEVER COLLECT ELECTRODES AND DISPOSE ACCORDINGLY.

Waste Disposal Methods: DISCARD ANY PRODUCT, RESIDUE, DIPSOSABLE CONTAINER, OR LINER AS ORDINARY WASTE INA ENVIRONMENTALLY ACCEPTABLE MANNER UNLESS OTHERWISE NOTED. SEVERAL INGREDS SUBJECT TO REQMTS OF SEC 311,312,313 EPCRA & 40CFR370 & 372.

Handling And Storage Precautions: DETER COMP FUME/GAS COMP/AMT W/AIR SPL FRM WELDER HELMET/BREATH ZONE.SEE ANSI/AWS F1.1,F1.2,F1.4,F1.5 FRM AMER WELD SOC,550 NW LEJEUNE RD,MIA,FL33126.

Other Precautions: IF WELDIN

G MUST BE DONE IN DAMP LOCATIONS OR W/WET CLOTH,ON METAL STRUCTURES/WHEN IN CRAMPED POSITIONS(SITTING,KNEELING,LYING)IF HIGH RISK OF UNAVOIDABLE/ACCIDENTAL CONTACT W/WORKPC USE:SEMIAUTOMATIC DC WELDER,DC MANUAL(STICK)WELDER,AC(SUP)

=====  
Fire and Explosion Hazard Information  
=====

Flash Point Text: NON-FLAMM

Extinguishing Media: WELDING ARC/SPARKS CAN IGNITE COMBUSTIBLE/FLAMM PRODS. USE

APPROPRIATE EXT MEDIA FOR SURROUNDING FIRE/MATERIALS.

Fire Fighting Procedures: NONE SPECIFIED BY MANUFACTURER.

Unusual Fire/Explosion Hazard: WELDING ARC/SPARKS CAN IGNITE COMBUSTIBLE & FLAMMABLE PRODUCTS.

=====  
Control Measures  
=====

Respiratory Protection: USE RESPIRABLE FUME RESP OR AIR SUPPLIED RESP WHEN WELDING IN CONFINED SPACE/GEN WORK AREA WHEN LOC EXHAU/VENTILATION DOES NOT KE

EP EXPOUSRE BELOW TLV.

Ventilation: USE ENOUGH VENTI/LOC EXHA @ARC/BOTH TO KEEP FUME/GAS FRM WORKER BREATH ZONE/GENERAL AREA.TRAIN TO KEEP HEAD OUT OF FUMES

Protective Gloves: WELDING GLOVES.

Eye Protection: HELMET/FACESHILED W/FIL #12/DARKER.

Other Protective Equipment: SHIELD OTHERS W/SCREENS/FLASH GOGG.BODY PROT FRM RADIAT/SPARK/ELECT SHOCK.TRAIN NOT TO TOUCH ELECT LIVE PARTS/ELE W/BODY

Work Hygienic Practices: READ/UNDERSTAND MFG INSTRU/PRECAUT LABEL ON PROD.GET LINCOLN SAF BPLUBL E205

;ANS Z49.1;OSHA PUBL2206.

Supplemental Safety and Health: HAZ DECOMP PROD:VENTI,WELDER'S HEAD POSITION,ATM CONTAMIN.ELECTROD E CONSUMED DECOMPO DIFF IN %/FORM FRM INGREDIENTS.REASONABLY EXPECTED:PRIMARILY IRON OXIDE,2ND COMPLEX OXIDE OF MN,K,SIL,NA,TI,ZN.GAS RX PROD:CO,CO2.OZONE/NITROGEN OXIDES BY RADIATION FRM ARC. OTHER PRECAUT:WELDER W/REDUCED VOLTAGE CNTRL.

Physical/Chemical Properties

HCC: N1

Appearance and Odor: NONE SPECIFIED BY MANUFACTURER.

Reactivity Data

Stability Indicator: YES

Stability Condition To Avoid: NONE SPECIFIED BY MANUFACTURER.

Materials To Avoid: NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products: FUME/GAS CANNOT BE CLASSIFIED SIMPLY:DEPEND ON METAL,PROCESS,PROCDDURE,ELECTROD,COATINGS,@OF WELDERS,VOL OF WORKAREA(SUP)

Hazardous Polymerization Indicator: NO

Toxicological Information

Ecological Information

MSDS Transport Information

=====

Regulatory Information

=====  
=====

Other Information

=====  
=====

Transportation Information

=====

Responsible Party Cage: 36232

Trans ID NO: 62532

Product ID: FLEETWELD 37 COVERED ELECTRODE, AWS E6013, ALL SIZES

MSDS Prepared Date: 03/02/19

94

Review Date: 05/08/1995

MFN: 2

Net Unit Weight: UNKNOWN

Multiple KIT Number: 0

Review IND: Y

Unit Of Issue: LB

Container QTY: A

Type Of Container: ROD

=====

Detail DOT Information

=====

DOT PSN Code: ZZZ

DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

=====

Detail IMO Information

=====

=====

IMO PSN Code: ZZZ

IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION

=====

Detail IATA Information

=====

IATA PSN Code: ZZZ

IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

=====

Detail AFI Information

=====

AFI PSN Code: ZZZ

AFI Proper Sh

ipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

=====
HAZCOM Label
=====

Product ID: FLEETWELD 37 COVERED ELECTRODE, AWS E6013, ALL SIZES

Cage: 36232

Company Name: THE LINCOLN ELECTRIC CO

Street: 22801 ST CLAIR AVE

City: EUCLID OH

Zipcode: 44117-1199

Health Emergency Phone: 216-481-8100

Date Of Label Review: 05/08/1995

Status Code: C

Label Date: 05/08/1995

Signal Word: NONE

Health Hazard

d: None

Contact Hazard: None

Fire Hazard: None

Reactivity Hazard: None

Hazard And Precautions: FUMES/GASES FRM WEDLING CAN BE DANGEROUS TO HEALTH.MAY RESULT IN DISCOMFORT.OVEREXPO TO WELDING FUMES CAN LEAD TO SIDEROSIS & AFFECT PULM FUNCTION.MANGANESE OVEREXPO CAN AFFECT CNS.BRONCHITIS & SOME LUNG FIBROSIS HAVE BEEN REPORTED.ARC RAYS CAN INJURE EYES/BURN SKIN.ELECTRICAL SHOCK CAN KILL.1ST AID:CALL FOR MEDICAL AID. EMPLOY FIRST AID TECHNIQUES RECOMMENDED BY AMERICAN RED CROSS. I

F BREATHING IS DIFFICULT GIVE OXY. IF NOT BREATHING EMPLOY CPR (CARDIOPULMONARY RESUSCITATION) TECHNIQUES. IN CASE OF ELECTRICAL SHOCK TURN OFF POWER & FOLLOW RECOMMENDED TREATMENT. IN ALL CASES CALL A PHYSICIAN.

=====
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 o r implied

warrants, states, or intends said information to have any application, use or viability by or to any person or persons outside the Department of Defense nor any person or persons contracting with any instrumentality of the United States of America and disclaims all liability for such use. Any person utilizing this instruction who is not a military or civilian employee of the United States of America should seek competent professional advice to verify and assume responsibi

lity for the suitability of this information to their particular situation regardless of similarity to a corresponding Department of Defense or other government situation.