

LINCOLN ELECTRIC CO -- JETWELD 3, ALL SIZES (COVERED ELECTRODE)

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MSDS Safety Information
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FSC: 3439
NIIN: 00-267-7354
MSDS Date: 03/13/1995
MSDS Num: CDGNR
Product ID: JETWELD 3, ALL SIZES (COVERED ELECTRODE)
MFN: 04
Responsible Party
Cage: 36232
Name: LINCOLN ELECTRIC CO
Address: 22801 ST CLAIR AVE
City: E
UCLID (FORMALLY IN CLEVELAND) OH 44117-1199
Info Phone Number: 216-481-8100
Emergency Phone Number: 216-481-8100
Review Ind: Y
Published: Y

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Preparer Co. when other than Responsible Party Co.
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Cage: 36232
Name: THE LINCOLN ELECTRIC CO
Address: 22801 ST CLAIR AVE
City: EUCLID OH 44117-1199

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

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Item Description Information
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Item Name: ELECTRODE, WELDING
Specification Number: AWSA5.1-81
Type/Grade/Class: AWS E7024
Type of Container: UNKNOWN

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Ingredients
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Cas: 7439-89-6
RTECS #: NO4565500
Name: IRON
% Wt: 30
Other REC Limits: NONE RECOMMENDED
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED

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; 9596

Cas: 1344-09-8
Name: SILICATES AND OTHER BINDERS
% Wt: <5
Other REC Limits: NONE RECOMMENDED

OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED

Cas: 7439-96-5
RTECS #: OO9275000
Name: MANGANESE (SARA 313) & /OR MANGANESE ALLOYS & COMPOUNDS (AS MN)
% Wt: <5
Other REC Limits: NONE RECOMMENDED
OSHA PEL: C, 5 MG/M3 (FUME)
ACGIH TLV: 0.2 MG/M3; 9596

Cas: 1332-58-7
RTECS #: GF1670500
Name: KAOLIN; MINERAL SILICATES
% Wt: <5
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 15 MG/M3 TDUST
ACGIH TLV: 2 MG/M3 TDUST; 9596

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Cas: 14808-60-7
RTECS #: VV7330000
Name: SILICA, CRYSTALLINE - QUARTZ
% Wt: <5
Other REC Limits: NONE RECOMMENDED
OSHA PEL: SEE TABLE Z-3
ACGIH TLV: 0.1 MG/M3 RDUST;9596

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

Cas: 1344-28-1
RTECS #: BD1200000
Name: ALPHA-ALUMINA (ALUMINUM OXIDE) (SARA 313
); ALUMINUM OXIDE & amp;/OR
BAUXITE
% Wt: 1
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 15 MG/M3 TDUST
ACGIH TLV: 10 MG/M3 TDUST; 9596

Cas: 7440-21-3
RTECS #: VW0400000
Name: SILICON & amp;/OR SILICON ALLOYS & amp; COMPOUNDS (AS SI)
% Wt: 0.5
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 15 MG/M3 TDUST
ACGIH TLV: 10 MG/M3 TDUST; 9596

Cas: 7439-89-6
RTECS #: NO4565500
Name: CARBON STEEL CORE WIRE
% Wt: 45
Other REC Limits: NONE RECOMMEN
DED
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
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Health Hazards Data
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LD50 LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.
Route Of Entry Inds - Inhalation: YES
Skin: YES
Ingestion: YES
Carcinogenicity Inds - NTP: YES
IARC: YES
OSHA: NO
Effects of Exposure: ELECTRIC ARC WELDING MAY CREATE 1 OR MORE OF
FOLLOWING:FUMES/GASES CAN BE DANGEROUS TO HEALTH.ACUTE:WELD FUMES EXPO MAY

RESULT IN DISCOMFT-METAL FUME FEVER,DIZZ,NMAU,DRY/IRRIT OF NOSE/THROAT/EYE.CHRON IC:SIDEROSIS,AFFECT PULM FUNCTION.MN EXPO AFFECT CNS-IMPAIR SPEECH/MOVEMENT.BRONCHITIS,LUNG FIBROSIS.ARC RAYS (SUPPLEME)
Explanation Of Carcinogenicity: PER MSDS:CRYSTALLINE SILICA (QUARTZ) ON IARC/NTP AS POSING CARCINOGENIC RISK TO HUMANS.

Signs And Symptoms Of Overexposure: SEE HEALTH HAZARDS.

Medical Cond Aggravated By Exposure: NONE SPECIFIED BY MANUFACTURER.

First Aid: CALL FOR MEDICAL AID.EMPLOY 1ST AID

TECHNIQUES RECOMMENDED BY

AMERICAN RED CROSS.IF BREATHING DIFFICULT GIVE OXY.NOT BREATHING EMPLOY CPR TECHNIQUES.IN CASE OF ELECTRICAL SHOCK TURN OFF POWER & FOLLOW RECOMMENDED TREATMENT.IN ALL CASES CALL PHYSICIAN.

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Handling and Disposal
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Spill Release Procedures: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods: DISCARD ANY PRODUCT/RESIDUE/DISPOSABLE CNTNR/LINER AS OR

DINARY WASTE N ENVIRONMENTALLY ACCEPTABLE MANNER UNLESS OTHERWISE NOTRED. CONTAINS CHEM(S) SUBJ TO REPORTING REQMTS OF SEC 311,312,313 OF EPCRA /40CFR370/372.

Handling And Storage Precautions: READ/UNDERSTAND INSTRUCT/PRECAUT LABEL.INSULATE FROM WORK/GROUND.

Other Precautions: USE:SEMI AUTOMATIC DC WELD,DC MANUAL(STICK)WELD,AC WELD W/RED VOTAGE CNTRL.DETERMINE COMPO/QUAN OF FUME/GAS WORKER EXPO:TAKE AIR SMPL INSIDE HELMET/BREATH ZONE.SEE ANSI/AWS F1.1;F1.2;F1.4;F1.5 FROM AME R WELD S

OC,550NW LEJEUNE RD,MI,FL33216.

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Fire and Explosion Hazard Information
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Flash Point Text: NON-FLAMMABLE

Extinguishing Media: NONE SPECIFIED BY MANUFACTURER. :USE APPROPRIATE FIRE EXTINGUISHING MEDIA FOR SURROUNDING FIRE/MATLS.

Fire Fighting Procedures: NONE SPECIFIED BY MANUFACTURER.

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

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Control Measures
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Respiratory Protection: USE RESPIRABLE FUME RESPIRATOR OR AIR SUPPLIED RESPIRATOR WHEN WELDING IN CONFINED SPACE/GENERAL WORK AREA WHEN LCO EXHAU/VENTI DOES NOT KEEP EXPO BELOW TLV.

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

Protective Gloves: WELDER GLOVES.

Eye Protection

: HELMET, FSHIELD W/FILTER LENSES #14/DARKR

Other Protective Equipment: SHIELD OTHERS BY PROVIDING SCREENS/FLASH GOGG. HAND/HEAD/BODY PROT FROM RADIATION/SPARKS/ELECTR SHOCK.

Work Hygienic Practices: TRAIN WELDER NOT TO PERMIT ELECTRICALLY LIVE PARTS/ELECTRODE TO CONTACT SKIN/CLOTH/GLOVE WHEN WET.

Supplemental Safety and Health: HAZ DECOMPO PROD: AREA VOL/QUALITY/AMT OF VENTI/WELDER HEAD POSITION/ATM CONTAMIN. REASONABLY EXPECT: FE OXIDE, 2ND COMPLEX OXIDES OF MN/K/SI/NA/TI, CO2, CO, OZONE, N OXI

DES. HEALTH: INJURE EYE, BURN SKIN. ELECTRIC SHOCK CAN KILL.

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Physical/Chemical Properties
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HCC: N1
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Reactivity Data
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Stability Indicator: YES
Stability Condition To Avoid: NONE SPECIFIED BY MANUFACTURER.
Materials To Avoid: NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products: WELD FUME/GAS CAN'T BE CLASSIFIED SIMPLY. DEPEND ON METAL WELD/PROCESS/PROCEDURE/ELECTRODES/COATING/# OF WELDER/WORK(SUPPL)

Hazardous Polymerization Indicator: NO
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Toxicological Information
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Ecological Information
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MSDS Transport Information
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Regulatory Information
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Other Information
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Transportation Information
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Responsible Party Cage: 36232
Trans ID NO: 64116
Product ID: JETWELD 3, ALL SIZES (COVERED ELECTRODE)
MSDS Prepared Date: 03/13/1995
Review Date: 03/12/1997
MFN: 4
Net Unit Weight: UNKNOWN
Multiple KIT Number: 0
Review IND: Y
Type Of Container: UNKNOWN

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Detail DOT Information
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DOT PSN Code: ZZZ
DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
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Detail IMO Information
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IMO PSN Code: ZZZ
IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION
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Detail IATA Information
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IATA PSN Code: ZZZ
IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
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Detail AFI Information
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AFI PSN Code: ZZZ
AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
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=====
HAZCOM Label
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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
Label Required I

ND: Y
Date Of Label Review: 03/12/1997
Status Code: C
Label Date: 03/12/1997
Origination Code: F
Chronic Hazard IND: Y
Eye Protection IND: YES
Skin Protection IND: YES
Signal Word: CAUTION
Respiratory Protection IND: YES
Health Hazard: Slight
Contact Hazard: Slight
Fire Hazard: None
Reactivity Hazard: None

Hazard And Precautions: ELECTRIC ARC WELDING MAY CREATE 1 OR MORE OF FOLLOWING:FUMES/GASES CAN BE DANGEROUS TO HEALTH.ACUTE:WELD FUMES EXPO MAY RESULT IN DISCOMFT-METAL FUME FEVER,DIZZ,NAU ,DRY/IRRIT OF NOSE/THROAT/EYE.CHRONI C:SIDEROSIS,AFFECT PULM FUNCTION.MN EXPO AFFECT CNS-IMPAIR SPEECH/MOVEMENT.BRONCHITIS,LUNG FIBROSIS.ARC RAYS CAN INJURE EYE,BURNS SKIN.ELECTRIC SHOCK CAN KILL. FIRST AID: CALL FOR MEDICAL AID.EMPLOY 1 STAID TECHNIQUES RECOMMENDED BY AMERICAN RED CROSS.IF BREATHING DIFFICULT GIVE OXY.NOT BREATHING EMPLOY CPR TECHNIQUES.IN CASE OF ELECTRICAL SHOCK TURN OFF POWER & FOLLOW RECOMMENDED TREATMENT.IN ALL CASES CALL PHYSICIAN.

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