

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

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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

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

OSHA PEL: NOT ESTABLISHED  
ACGIH TLV: NOT ESTABLISHED

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

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Cas: 1332-58-7  
RTECS #: GF1670500  
Name: KAOLIN; MINERAL SILICATES  
% Wt: &lt;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: &lt;5  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: SEE TABLE Z-3  
ACGIH TLV: 0.1 MG/M3 RDUST;9596  
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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  
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Cas: 1344-28-1  
RTECS #: BD1200000  
Name: ALPHA-ALUMINA (ALUMINUM OXIDE) (SARA 313  
) ; ALUMINUM OXIDE & ;/OR  
BAUXITE  
% Wt: 1  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: 15 MG/M3 TDUST  
ACGIH TLV: 10 MG/M3 TDUST; 9596  
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Cas: 7440-21-3  
RTECS #: VW0400000  
Name: SILICON & ;/OR SILICON ALLOYS & ; COMPOUNDS (AS SI)  
% Wt: 0.5  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: 15 MG/M3 TDUST  
ACGIH TLV: 10 MG/M3 TDUST; 9596  
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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 Symptions 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 CALLPHYSICIAN.

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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:SEMIAUTOMATIC 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 Decompositio

n 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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Product ID: JETWELD 3, ALL SIZES (COVERED ELECTRODE)  
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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