

THE LINCOLN ELECTRIC CO -- FLEETWELD 5P (AWS E6010) -- 3439-00-262-2669

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

Product ID:FLEETWELD 5P (AWS E6010)

MSDS Date:01/15/1990

FSC:3439

NIIN:00-262-2669

MSDS Number: BJRMP

=== Responsible Party ===

Company Name:THE LINCOLN ELECTRIC CO

Address:22801 ST CLAIR AVE

City:CLEVELAND

State:OH

ZIP:44117-1199

Country:US

Info Phone Num:216-481-8100

Emergency Phone Num:216-481-8100

CAGE:HO076

=== Contractor Identification ===

Company N

ame:THE LINCOLN ELECTRIC CO

Address:22801 ST CLAIR AVE

Box:City:EUCLID

State:OH

ZIP:44117-1199

Country:US

Phone:216-481-8100

CAGE:36232

Company Name:THE LINCOLN ELECTRIC COMPANY

CAGE:HO076

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

Ingred Name:CELLULOSE AND OTHER CARBONYDRATES

CAS:65996-61-4

Fraction by Wt: < 5%

Other REC Limits:NONE SPECIFIED

OSHA PEL:5 MG/M3 RESP.DUST

ACGIH TLV:10 MG/M3 NUISANCE

Ingred Name:SODIUM SILICATE

CAS:1344-09-8

Fraction by Wt: < 5%

Other R

EC Limits:NONE SPECIFIED
OSHA PEL:5 MG/M3 RESP.DUST
ACGIH TLV:10 MG/M3 NUISANCE

Ingred Name:IRON
CAS:65996-67-0
Fraction by Wt: < 5%
Other REC Limits:NONE SPECIFIED
OSHA PEL:5 MG/M3 RESP.DUST
ACGIH TLV:10 MG/M3 NUISANCE

Ingred Name:TITANIUM DIOXIDE
CAS:13463-67-7
RTECS #:XR2275000
Fraction by Wt: < 5%
Other REC Limits:NONE SPECIFIED
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:MANGANESE (SARA III)
CAS:7439-96-5
RTECS #:OO9275000
Fraction by Wt: 1%
Other REC Limits:NONE
SPECIFIED
OSHA PEL:(C) 5 MG/M3 DUST
ACGIH TLV:5 MG/M3 DUST 9293

Ingred Name:MAGNESIUM OXIDE
CAS:1309-48-4
RTECS #:OM3850000
Fraction by Wt: 1%
Other REC Limits:NONE SPECIFIED
OSHA PEL:15 MG/M3 PARTICULATE
ACGIH TLV:10 MG/M3;TDUST; 9293

Ingred Name:KAOLIN
CAS:1332-58-7
RTECS #:GF1670500
Fraction by Wt: 1%
Other REC Limits:NONE SPECIFIED
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:2 MG/M3 TDUST; 9293

Ingred Name:IRON OXIDE
CAS:65996-74-9
Fraction by Wt: < 0.5%
OSHA PEL:10 MG/M3
ACGIH TLV:5 MG/M3

Ingred

Name:CALCIUM CARBONATE (MARBLE) (LIMESTONE)

CAS:1317-65-3

RTECS #:EV9580000

Fraction by Wt: < 0.5%

Other REC Limits:NONE SPECIFIED

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9192

Ingred Name:GRAPHITE, NATURAL

CAS:7782-42-5

RTECS #:MD9659600

Fraction by Wt: < 0.5%

Other REC Limits:NONE SPECIFIED

OSHA PEL:15 MPPCF RDUST

ACGIH TLV:2 MG/M3 RDUST; 9293

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

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

Reports of Carci

nogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:FUMES AND GASES CAN BE DANGEROUS TO YOUR HEALTH. ARC RAYS CAN INJURE EYES AND BURN SKIN. ELECTRIC SHOCK CAN KILL. NOISE CAN DAMAGE HEARING.

Explanation of Carcinogenicity:NONE SPECIFIED BY MANUFACTURER.

Effects of Overexposure:ACUTE:METALLIC

TASTE,NAUSEA,DIZZINESS,DRYNESS,IRRITATION OF EYES,NOSE AND THROAT.

CHRONIC:EXCESSIVE LEVELS MAY CAUSE SIDEROSIS (IRON DEPOSITS IN LUNGS) AND AFFECT PULMONARY FUNCTION.

Medical Cond Aggravated by Exposure:AGGRAVATION OF EXISTING RESPIRATORY OR ALLERGIC CONDITIONS.HIGHER LEVEL OF LUNG RELATED PROBLEMS AMONG SMOKERS.

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

First Aid:REMOVE FROM EXPOSURE AND OBTAIN PROMPT MEDICAL ATTENTION. IF NOT BREATHING,GIVE CPR/OXYGEN. EMPLOY FIRST AID TECHNIQUES RECOMMENDED BY AMERICAN RED CROSS.

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

Extinguishing Media:NON-FLAMM

ABLE. USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY. CONTAIN RUNOFF.

Unusual Fire/Explosion Hazard:WELDING ARCS, SPARKS, ETC. MAY IGNITE COMBUSTIBLE MATERIAL.

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

Spill Release Procedures:CLEAN UP ANY GRINDING DUST OR WASTE RESIDUE AND PLACE IN APPROPRIATE DISPOSAL CONTAINER.

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

Handling and Storage Precautions:STORE IN DRY AREA. ELECTRODES EXPOSED TO MOISTURE MAY EXPLODE VIOLENTLY IF USED. DRY MOIST RODS BY BAKING AT 300F FOR TEN HOURS.

Other Precautions:TRAIN WELDER TO KEEP HIS HEAD OUT OF THE FUMES.MONITOR AIR TO ENSURE ACCEPTABLE EXPOSURES.AVOID ELECTRICAL SHOCK BY MAINTAINING DRY WORK AREA. WELDING ARC CAN IGNITE COMBUSTIBLES AND FLAMMABLES

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

Respiratory Protection:FUME RESPIRATOR OR AIR SUPPLIED RESPIRATOR IN CONFINED SPACES OR WHERE VENTILATION DOES NOT KEEP EXPOSURE BELOW TLV.

Ventilation:LOCAL EXHAUST TO KEEP BELOW TLV.

Protective Gloves:WELDER'S GLOVES.

Eye Protection:HELMET OR FACE SHIELD WITH FILTER LENS.

Other Protective Equipment:SUBSTANTIAL DARK CLOTH,ARM PROTECTOR,APRON,HAT AND SHOULDER PROTECTION. AIR SAMPLING TO DETERMINE CORRECTIVE MEASURES.

Work Hygienic Practices:WASH HANDS THOROUGHLY BEFORE EATING,SMOKING OR USING SANITARY FACILITIES.

Supplemental Safety and Health
NONE.

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

HCC:N1

Solubility in Water:INSOLUBLE

Appearance and Odor:WELDING ROD.

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

Stability Indicator/Materials to Avoid:YES

Hazardous Decomposition Products:IRON OXIDE, COMPLEX OXIDES OF MANGANESE, SILICON AND SODIUM,

CARBON MONOXIDE, CARBON DIOXIDE,
OZONE, NITROGEN OXIDES

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

Waste Disposal Methods:CONSULT WITH YOUR LOCAL ENVIRONMENTAL
OFFICER.DISPOSE OF FUMES,FLUX OR WELD GRINDING RESIDUE FROM THE
WORK AREA OR FROM FILTERS IN ACCORDANCE WITH FEDERAL,STATE AND
LOCAL ENVIRONMENTAL REGULATIONS.

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