

ELECTRODE 110 SUPER

MSDS Number

CHNZF

National Stock Number

3439-00N088293

Product Name

ELECTRODE 110 SUPER

Manufacturer

EUTECTIC CORP

Product Identification

Product ID:ELECTRODE 110 SUPER

MSDS Date:09/07/1995

FSC:3439

NIIN:00N088293

MSDS Number: CHNZF

Responsible Party

EUTECTIC CORP

1515 BROOK DR

DOWNERS GROVE , IL 60515

US

Emergency Phone: 800-323-4845

Info Phone: 800-323-4845

Cage: 72271

Contractor

EUTECTIC CORPORATION

DOWNERS GROVE, IL 60515

US

800-323-4845

Cage: 5N977

Ingredients

IRON

CAS: 7439-89-6

RTECS: NO4565500

OSHA PELN/K

ACGIH TLV: N/K

CALCIUM CARBONATE

CAS: 1317-65-3

RTECS: EV9580000

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 10 MG/M3 TDUST

POTASSIUM SILICATE

CAS: 1312-76-1

OSHA PELN/K

ACGIH TLV: N/K

SODIUM SILICATE

CAS: 1344-09-8

OSHA PELN/K

ACGIH TLV: N/K

FLUORSPAR

CAS: 14542-23-5

OSHA PELN/K

ACGIH TLV: N/K

NICKEL (SARA 313) (CERCLA)

CAS: 7440-02-0

RTECS: QR5950000

Fraction By Weight: 1-5%

OSHA PEL1 MG/M3

ACGIH TLV: 1 MG/M3

COATINGS MAY PRDCE FLUORIDE CMPDS, METAL OXIDES,

RTECS: 9999999ZZ

CO*2, NITROGEN OXIDES & CERTAIN INERT GASES USED AS

RTECS: 9999999ZZ

MUST BE CONSIDERED CARCINS BECAUSE THEY ARE SO

RTECS: 9999999ZZ

SCIENTIFIC STUDIES SHOWING WORKERS EXPOS TO ALLOY

RTECS: 9999999ZZ

BECAUSE EXPOS TO FORMS OF NICKEL & CHROMIUM FOUND

RTECS: 9999999ZZ

FUMES & GASES TO WHICH WORKERS EXPOS IS TO TAKE AIR

RTECS: 9999999ZZ

BRTHG ZONE. SEE ANSI/AWS F1.1 AVAIL FROM AWS, PO

RTECS: 9999999ZZ

OPERATIONS. SYMPS ARE SIMILAR TO FLU TYPE

RTECS: 9999999ZZ

TIGHTNESS, DRY NOSE & MOUTH, MUSC PAIN, NAUS &

RTECS: 9999999ZZ

MOST

RTECS: 9999999ZZ

PARTICULATE IRRIT. EXCESS

RTECS: 9999999ZZ

SHORT TERM OVEREXP TO

RTECS: 9999999ZZ

VOMIT, ABDOM PAIN, STOM BLEEDING, SHORTNESS OF

RTECS: 9999999ZZ

CAUSE EXCESS CALCIFICATION OF BONES, LIGAMENTS OF

RTECS: 9999999ZZ

GEN INFLAM OF RESP TRACT. LONG TERM OVEREXP

RTECS: 9999999ZZ

METALLIC TASTE, NAUS,

RTECS: 9999999ZZ

LUNG FIBROSIS

RTECS: 9999999ZZ

& FULL LENGTH FSHLD . PROVIDE PROT SCREENS &

RTECS: 9999999ZZ

W/SHADE TOO DARK TO SEE WELD ZONE, THEN GO TO NEXT

RTECS: 9999999ZZ

Hazards

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO

Health Hazards Acute and Chronic: INHAL: FUMES ASSOC W/HEATING, WELDING, BRAZING, SOLDERING/CUTTING METALS CAN BE DANGEROUS TO HLTH & OVEREXP CAN CAUSE LUNG DMG &/OR OTHER ORGAN DMG. ARC RAYS & UV LIGHT CAN INJURE EYE & BURN SKIN. INGE ST: MAY BE HARMFUL/FATAL IF SWALLOWED. GEN WELDING FUMES CAN CREATE ONE/MORE OF FOLLOWING: FUMES, GASES (EFTS OF OVEREXP)

Explanation of Carcinogenicity: NICKEL: IARC MONOGRAPHS, VOL 49, PG 257, 1990: GROUP 2B. NTP 7TH ANNUAL REPORT ON CARCINS, 1994: ANTIC TO BE CARCIN.

Effects of Overexposure: HLTH HAZ: & DUSTS CAN BE DANGEROUS TO HLTH. SHORT TERM OVEREXP MAY RSLT IN DIZZ, NAUS OR DRYNESS/IRRIT OF NOSE, THROAT/EYES. EXCESS OVEREXP MAY CAUSE BRONCH ASTHMA, LUNG FIBROSIS, PNEUMOCONIOSIS OR SI DEROSIS (IRON DEPOSITS IN LUNG). METAL FUME FEVER CAN BE CAUSED BY INHAL OF CERTAIN METALLIC CMPDS DURING (ING 14)

Medical Cond Aggravated by Exposure: AGGRAVATION OF PREEXISTING RESPIRATORY OR ALLERGIC CONDITIONS MAY OCCUR IN SOME WORKERS.

First Aid

First Aid: INHAL: MOVE VICTIM TO FRESH AIR SOURCE. CNTCT MD & ADVISE ON INGREDIENTS LISTED. SKIN: THOROUGHLY WASH HANDS/EFFECTED AREAS W/SOAP & WATER TO REMOVE ALL RESIDUE. IF RASH/BURN DEVELOPS CONSULT MD. EYE: THOROUGHLY FLUSH W/WATER FOR AT LST 15 MIN TO REMOVE ALL RESIDUE. OBTAIN PROMPT MED ADVICE FOR FLUXES & CHEM AID. ADVISE MD OF INGREDIENTS LISTED. INGEST: CALL MD &/OR POIS CTL CTR. ADVISE OF INGREDIENTS LISTED.

Fire Fighting

Extinguishing Media: CARBON DIOXIDE, DRY CHEMICAL FOAM TYPE.

Fire Fighting Procedures: NIOSH APPRVD SCBA & FULL PROT EQUIP . TOX FUMES MAY BE PRDCED. SEE HAZ DECOMP PRODS. REFER TO ANSI Z49.1 FOR FIRE PREVENTION DURING USE OF WELDING(SUPDAT)

Unusual Fire/Explosion Hazard: GEN NONFLAM; WELDING ARC, SPKS & FLAMES CAN IGNITE COMBUSTS & FLAMS. SOME FLUXES & CHEM AID. MAY GIVE OFF HCL, PHOSGENE & CHLORINE GASES. CANS UNDER (SUPDAT)

Accidental Release

Spill Release Procedures: NONE SPECIFIED BY MANUFACTURER.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Handling

Handling and Storage Precautions: PLEASE READ AND UNDERSTAND PRODUCT LABEL INFO FOR PROPER PROCEDURES & USE.

Other Precautions: SEE ANSI Z49.1 "SFTY IN WELDING & CUTTING" & CHAPTER 11 OF "THERMAL SPRAYING" PUB BY AWS & OSHA PUB 2206 (29 CFR 1910) FOR MORE DETAILS. TRAIN WELDER TO KEEP HIS/HER FACE AWAY FROM FUME/DUST PLUME.

Exposure Controls

Respiratory Protection: IF WORK STATION IS NOT PROPERLY VENTILATED TO EXHAUST ALL FUMES, VAPORS AND DUSTS BELOW THE RECOMMENDED EXPOSURE LIMITS, USE A NIOSH APPROVED RESPIRATOR.

Ventilation: USE ENOUGH GEN VENT & LOC EXHST AT WORK SITE TO KEEP ALL FUMES & DUST FROM WORKER'S BREATHING ZONE & GENERAL AREA.

Protective Gloves: WELDER'S GLOVES.

Eye Protection: ANSI APPRVD CHEM WORKERS GOGGS (ING 24)

Other Protective Equipment: ANSI APPRVD EYE WASH & DELUGE SHOWER . HAND, HEAD & BODY PROT. MAY INCL ARM PROT, APRONS, HATS & DARK PROT CLTHG.

Work Hygienic Practices: TRAIN WORKERS NOT TO TOUCH LIVE ELECTRICAL PARTS AND TO INSULATE THEMSELVES FROM WORK AND ELECTRICAL GROUND.

Supplemental Safety and Health

FIRE FIGHT PROC: & ALLIED PROCESSES. EXPLO HAZ: PRESS & FLAMS MAY EXPLODE. HAZ DECOMP PRODS: NORM OPERATION INCL THOSE ORIGINATING FROM VOLATILIZATION RXN OR OXIDATION OF MATLS LISTED PLUS THOSE OF BA SE METAL & COATING, ETC. REASONABLY EXPECTED CONSTITUENTS OF FUME MAY INCL COMPLEX OXIDES OF METALS LISTED. FLUX (ING 7)

Chemical Properties

Appearance and Odor:NONE SPECIFIED BY MANUFACTURER.

Stability

Stability Indicator/Materials to Avoid:YES

NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:DURING WELDING, FUME & GAS DECOMP

PRODS GENERATED DIFFER IN PERCENT & FORM FROM LISTED INGREDIENTS.

DECOMP PRODS OF (SUPDAT)

Disposal

Waste Disposal Methods:DISPOSE OF WASTE MATL, PWDRS, GRINDING OR FILTER

RESIDUES IN ENVIRONMENTALLY SENSITIVE MANNER I/A/W FED, STATE &

LOCAL REGS. USE APPROP MEASURES TO KEEP AIRBORNE DUST LEVELS

CONTAINED I/A/W EXPOS LEVE LS LISTED. SEE ALSO SECTION ON SAFE

HNDLG & STOR.

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