

EUTECTIC CORP -- BEAUTYWELD, ARC WELDING ELECTRODE -- 3439-00-127-2611

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

Product ID:BEAUTYWELD, ARC WELDING ELECTRODE

MSDS Date:03/31/1993

FSC:3439

NIIN:00-127-2611

MSDS Number: CDZSZ

=== Responsible Party ===

Company Name:EUTECTIC CORP

Address:40-40 172ND STREET

City:FLUSHING

State:NY

ZIP:11358-2799

Country:US

Info Phone Num:718-358-4000

Emergency Phone Num:718-35

8-4000

CAGE:72271

=== Contractor Identification ===

Company Name:EUTECTIC CORP

Address:9625-J SOUTHERN PINE BLVD

Box:City:CHARLOTTE

State:NC

ZIP:28273

Country:US

Phone:704-527-9800/ 800-221-1433

CAGE:72271

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

Ingred Name:POTASSIUM HYDROXIDE (CERCLA)

CAS:1310-58-3

RTECS #:TT2100000

OSHA PEL:C 2 MG/M3

ACGIH TLV:C 2 MG/M3

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:POTASSIUM SILICATE

CAS:1312-76-1

OSHA PEL:N/K

ACGIH TLV

:N/K

Ingred Name:CLAY (KAOLIN); (KAOLIN)
CAS:1332-58-7
RTECS #:GF1670500
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:2 MG/M3 TDUST

Ingred Name:TITANIUM OXIDE; (TITANIUM DIOXIDE)
CAS:13463-67-7
RTECS #:XR2275000
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST

Ingred Name:FELDSPAR
CAS:68476-25-5
OSHA PEL:N/K
ACGIH TLV:N/K

Ingred Name:IRON
CAS:7439-89-6
RTECS #:NO4565500
OSHA PEL:15 MG/M3 (MFR)
ACGIH TLV:10 MG/M3 (MFR)

Ingred Name:MANGANESE (SARA 313)
CAS:7439-96-5
RTECS #:OO9275000
Fraction by Wt:
1-5%
OSHA PEL:C 5 MG/M3 DUST
ACGIH TLV:5 MG/M3 DUST

Ingred Name:CELLULOSE
CAS:9004-34-6
RTECS #:FJ5691460
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3

Ingred Name:SUP DAT: WELDING, HEATING, BRAZING, SOLDERING/CUTTING
OPERATIONS. SYMPS ARE SIMILAR TO INFLUENZA TYPE SICKNESS (ING 10)
RTECS #:9999999ZZ

Ingred Name:ING 9: INCL CHILLS, FEVER, HEAD & MUSC ACHE, TIGHTNESS OF
CHEST, DRYNESS OF NOSE & MOUTH, MUSC PAIN, NAUS & (ING 11)
RTECS #:9999999ZZ

Ingred Name:ING 10: VOMIT. SYMPS USUALLY O

CCUR W/IN SEVERAL HRS AFTER
EXPOS & MAY LAST 6-24 HRS. GEN NUISANCE DUSTS: MOST (ING 12)
RTECS #:9999999ZZ

Inged Name:ING 11: NUISANCE DUSTS ARE INERT, NON-TOX & CHEM NON-IRRIT.
SKIN CONT HAS SHOWN POSS DRYING & MECH IRRIT. EYE (ING 13)
RTECS #:9999999ZZ

Inged Name:ING 12: CONT CAN PRDCE PARTICULATE IRRIT. DOES NOT SEEM TO
BE ABSORBED BY BODY THRU INGEST. EXCESS INHAL CAN (ING 14)
RTECS #:9999999ZZ

Inged Name:ING 13: PRDCE MILD PULM IRRIT & POSS NON-DISABLING SLIGHT
FIBROSI
S OF LUNGS. IRON: MAY LEAD TO GEN IRRIT OF RESP(ING 15)
RTECS #:9999999ZZ

Inged Name:ING 14: TRACT IF INHALED. LONG TERM OVEREXP MAY CAUSE
SIDEROSIS WHICH MAY ALSO AFFECT PULM FUNC. LUNGS WILL (ING 16)
RTECS #:9999999ZZ

Inged Name:ING 15: CLEAR IN TIME WHEN EXPOS CEASES. MANGANESE: MAY
CAUSE METAL FUME FEVER W/CHILLS, FEVER, UPSET STOM, (ING 17)
RTECS #:9999999ZZ

Inged Name:ING 16: VOMIT, IRRIT OF THROAT & ACHING OF BODY. EXCESS
OVEREXP MAY AFFECT CNS. SYMPS MAY INCL MUSC WEAK
& (ING 18)
RTECS #:9999999ZZ

Inged Name:ING 17: TREMORS. BEHAVIORAL CHANGES & CHANGES IN
HANDWRITING MAY ALSO APPEAR. WORKERS EXPOSED TO MANGANESE (ING 19)
RTECS #:9999999ZZ

Inged Name:ING 18: CMPDS SHOULD RECEIVE QUARTERLY MED EXAMINATIONS FOR
EARLY DETECTION OF MANGANESE POISONING.
RTECS #:9999999ZZ

Inged Name:OTHER PROT EQUIP: ELEC SHOCK, INCL WELDER'S GLOVES & PROT
FSHLD, & MAY INCL ARM PROT, APRONS, HATS & DARK PROT CLTHG.
RTECS #:9999999ZZ

Inged Name:HAZ DECOMP PROD:CMP

DS, METAL OXIDES, CARBON & SILICA.

GASEOUS RXN PRODS MAY INCL OZONE, CARBON MONOXIDE, CARBON (ING 22)
RTECS #:9999999ZZ

Ingred Name:ING 21:DIOXIDE, NITROGEN OXIDES & CERTAIN INERT GASES USED
AS SHIELDING GASES. ONE REC WAY TO DETERMINE THE (ING 23)
RTECS #:9999999ZZ

Ingred Name:ING 22:COMPOSITION & QTY OF FUMES & GASES TO WHICH WORKERS
ARE EXPOS IS TO TAKE AIR SAMPLE INSIDE THE WORKER'S (ING 24)
RTECS #:9999999ZZ

Ingred Name:ING 23:HELMET IF WORN/IN WELDER'S BRTHG ZONE. FOR MORE
SPECIFIC INFO REGARDING HAZ DECOMP PRODS CONT NEHC .
RTECS #:9999999ZZ

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE: INHAL: FUMES ASSOC W/HEATING,
WELDING, BRAZING, SOLDERING/CUTTING METALS CAN BE DANGEROUS TO YOUR
HLTH & OVEREXP CAN CAUSE LUNG DMG &/OTHER ORGAN D
MG. EYE/SKIN: ARC

RAY'S & ULTRAVIOLET LIGHT CAN INJURE EYES & BURN SKIN. LIQS USED IN
FLUXES & CHEM AIDS MAY CAUSE IRRIT/POSS CHEM BURNS. ELEC SHOCK
(EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT.

Effects of Overexposure:HLTH HAZ: CAN KILL. INGEST: DANGER! MAY BE
HARMFUL/FATAL IF SWALLOWED. GEN WELDING FUMES: ELEC ARC WELDING,
BRAZING, SOLDERING/THERMAL SPRAYING MAY CREATE ONE/MORE OF THE
FOLLOWING HLTH HAZS ASSOC W/K EY INGS. FUMES, GASES & DUSTS CAN BE

DANGEROUS TO YOUR HLTH. CERTAIN MED STUDIES HAVE SUGGESTED THAT
LUNG DMG (SUP DAT)

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

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

First Aid:INHALATION: MOVE TO FRESH AIR SOURCE. CONTACT MD & ADVISE MD
OF INGS. SKIN: THOROUGHLY WASH HANDS/AFFECTED AREAS W/SOAP & WATER
TO REMOVE ALL RESIDUE. IF RASH/BURN DEVELOPS, CONSULT MD. EYE:

THORO FLU SH W/WATER FOR AT LEAST 15 MIN TO REMOVE ALL RESIDUE.
OBTAIN PROMPT MED ADVISE FOR FLUXES & CHEM AIDS. ADVISE MD OF INGS
INGEST: CALL MD AND/LOC POISON CONTROL CENTER. ADVISE OF
INGREDIENTS.

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

Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL FOAM TYPE.
Fire Fighting Procedures:WEAR NIOSH APPROVED SCBA & FULL PROTECTIVE
EQUIPMENT . TOXIC FUMES MAY BE PRODUCED.
Unusual Fire/Explosion Hazard:SOME FLUXES
& CHEMS AIDS MAY GIVE OFF
HYDROGEN CHLORIDE, PHOSGENE & CHLORINE GAS. CANS, UNDER PRESS &
FLAMMS, MAY EXPLODE. FOR MORE INFO CONT NEHC .

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

Spill Release Procedures:NONE SPECIFIED BY MANUFACTURER.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:PLEASE READ & UNDERSTAND PROD LBL FOR
PROPER PROC & USE. TRAIN WORKER
S NOT TO TOUCH LIVE ELEC PARTS & TO
INSULATE THEMSELVES FROM WORK & ELEC GROUND.
Other Precautions:TRAIN WELDER TO KEEP HIS/HER FACE AWAY FROM FUME/DUST
PLUME. SEE ANSI Z49.1 "SAFETY IN WELDING & CUTTING" & CHAPTER 11 OF
"THERMAL SPRAYING" PUBLISHED BY AMERICAN WELDING SOCIETY AND OSHA
PUBLICATION 2206 (29 CFR 1910) FOR MORE DETAIL.

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

Respiratory Protection:IF THE WORK STATION IS NOT PROPERLY VENTILATED
TO E
XHAUST 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 & GEN AREA.
Protective Gloves:IMPERVIOUS GLOVES .
Eye Protection:ANSI APPRVD CHEM WORKERS GOGGLES .
Other Protective Equipment:ANSI APPRVD EMER EYEWASH & DELUGE SHOWER .
WEAR HAND, HEAD & BODY PROT TO PVNT INJURY FROM RADIA, SPKS & (ING
20)
Work Hygienic Practices:N

ONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

EFFECTS OF OVEREXPOSURE: CAN RESULT FROM OVEREXPOSURE TO THESE FUMES. SHORT TERM

OVEREXPOSURE MAY RESULT IN DIZZINESS, NAUSEA/DRYNESS/IRRITATION OF NOSE, THROAT/EYES.

EXCESS OVEREXPOSURE MAY CAUSE BRONCHITIS/ASTHMA, LUNG FIBROSIS, PNEUMOCONIOSIS/SIDEROSIS (IRON DEPOSITS IN LUNG). METAL FUME FEVER: CAN BE

CAUSED BY INHALATION OF CERTAIN METALLIC COMPOUNDS DURING (INGESTION 9)

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

Appearance and Odor:NONE SPECIFIED BY MANUFACTURER

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

Stability Indicator/Materials to Avoid:YES

NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:REAS EXPECTED CONSTITUENTS OF FUME MAY

INCLUDE: COMPLEX OXIDES OF METALS IN INGREDIENTS; FLUX COATINGS MAY PRODUCE

FLUORIDE (INGREDIENT 21)

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

Waste Disposal Methods:DISPOSAL OF WASTE MATERIAL

, POWDERS, GRINDING/FILTER

RESIDUES IN ENVIRONMENT SENSITIVE MANNER I/A/W FEDERAL, STATE & LOCAL REGS.

USE APPROPRIATE MEASURES TO KEEP AIRBORNE DUST LEVELS CONTAINED I/A/W

EXPOSURE LEVELS OF INGREDIENT SECTION.

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