

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:718-3

58-4000

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 TL

V: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

OCCUR W/IN SEVERAL HRS AFTER

EXPOS & MAY LAST 6-24 HRS. GEN NUISANCE DUSTS: MOST (ING 12)

RTECS #:9999999ZZ

Ingred 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

Ingred 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

Ingred Name:ING 13: PRDCE MILD PULM IRRIT & POSS NON-DISABLING SLIGHT
FIBROS

IS OF LUNGS. IRON: MAY LEAD TO GEN IRRIT OF RESP(ING 15)

RTECS #:9999999ZZ

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

RTECS #:9999999ZZ

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

RTECS #:9999999ZZ

Ingred Name:ING 16: VOMIT, IRRIT OF THROAT & ACHING OF BODY. EXCESS
OVEREXP MAY AFFECT CNS. SYMPS MAY INCL MUSC WEAK

& (ING 18)

RTECS #:9999999ZZ

Ingred Name:ING 17: TREMORS. BEHAVIORAL CHANGES & CHANGES IN
HANDWRITING MAY ALSO APPEAR. WORKERS EXPOSED TO MANGANESE (ING 19)

RTECS #:9999999ZZ

Ingred Name:ING 18: CMPDS SHOULD RECEIVE QUARTERLY MED EXAMINATIONS FOR
EARLY DETECTION OF MANGANESE POISONING.

RTECS #:9999999ZZ

Ingred Name:OTHER PROT EQUIP: ELEC SHOCK, INCL WELDER'S GLOVES & PROT
FSHLD, & MAY INCL ARM PROT, APRONS, HATS & DARK PROT CLTHG.

RTECS #:9999999ZZ

Ingred Name:HAZ DECOMP PROD:CM

PDS, 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

DMG. EYE/SKIN: ARC

RAYS & 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 FLUXE
S & 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 WORKE
RS 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
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 & 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:

NONE 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 (INGRESS)

===== 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:REASONS EXPECTED CONSTITUENTS OF FUME MAY INCLUDE: COMPLEX OXIDES OF METALS IN INGREDIENTS; FLUX COATINGS MAY PRODUCE FLUORIDE (INGRESS 21)

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

Waste Disposal Methods:DISPOSAL OF WASTE MATERIALS, POWDERS, GRINDING/FILTER

RESIDUES IN ENVIRONMENT SENSITIVE MANNER I/A/W FEDERAL, STATE & LOCAL REGULATIONS. USE APPROPRIATE MEASURES TO KEEP AIRBORNE DUST LEVELS CONTAINED I/A/W EXPOSURE LEVELS OF INGREDIENTS SECTION.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.