

EUTECTIC CORP -- EUTECTRODE 4, 428862-01 -- 3439-00-056-3606

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

Product ID:EUTECTRODE 4, 428862-01

MSDS Date:09/07/1995

FSC:3439

NIIN:00-056-3606

MSDS Number: CGDSG

=== Responsible Party ===

Company Name:EUTECTIC CORP

Address:1515 BROOK DR

City:DOWNERS GROVE

State:IL

ZIP:60515

Country:US

Info Phone Num:800-323-4845

Emergency Phone Num:800-323-4845

CAGE:72271

=== Con

tractor 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

Company Name:EUTECTIC CORPORATION

Address:1515 BROOK DR

Box:City:DOWNERS GROVE

State:IL

ZIP:60515

Country:US

Phone:800-323-4845

CAGE:5N977

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

Ingred Name:IRON

CAS:7439-89-6

RTECS #:NO4565500

OSHA PEL:15 MG/M3 (MFR)

ACGIH TLV:10 MG/M3 (MFR)

Ingred Nam

e:POTASSIUM SILICATE

CAS:1312-76-1

OSHA PEL:N/K

ACGIH TLV:N/K

Ingred Name:CHROMIUM (SARA 313) (CERCLA)

CAS:7440-47-3

RTECS #:GB4200000

Fraction by Wt: 5-10%

OSHA PEL:1 MG/M3

ACGIH TLV:0.5 MG/M3

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:MANGANESE (SARA 313)

CAS:7439-96-5

RTECS #:OO9275000

Fraction by Wt: 5-10%

OSHA PEL:5 MG/M3 DUST, C

ACGIH TLV:5 MG/M3 DUST

Ingred Name:TITANIUM OXIDE; (TITANIUM DIOXIDE)

CAS:13463-67-7

RTECS #:XR2275000

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST

In  
gred Name:NICKEL (SARA 313) (CERCLA)

CAS:7440-02-0

RTECS #:QR5950000

Fraction by Wt: 1-5%

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3

Ingred Name:CALCIUM FLUORIDE (AS F)

CAS:7789-75-5

RTECS #:EW1760000

OSHA PEL:2.5 MG/M3 (F) (MFR)

ACGIH TLV:2.5 MG/M3 (F) (MFR)

Ingred Name:CELLULOSE (PAPER FIBER)

CAS:9004-34-6

RTECS #:FJ5691460

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3

Ingred Name:FELDSPAR

CAS:68476-25-5

OSHA PEL:15 MG/M3 (MFR)

ACGIH TLV:10 MG/M3 (MFR)

Ingred Name:IRON OXIDE; (MAGNETITE)

CAS:1309-38-

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RTECS #:OM4800000  
OSHA PEL:15 MG/M3 (FE) (MFR)  
ACGIH TLV:10 MG/M3 (FE) (MFR)

Ingred Name:POTASSIUM TITANATE  
CAS:12030-97-6  
OSHA PEL:N/K  
ACGIH TLV:N/K

Ingred Name:MOLYBDENUM  
CAS:7439-98-7  
RTECS #:QA4680000  
OSHA PEL:10 PPM  
ACGIH TLV:10 PPM

Ingred Name:SUPP DATA:DARK TO SEE WELD ZONE, THEN GO TO NEXT LIGHTER  
SHADE WHICH GIVES SUFFICIENT VIEW OF THE WELD ZONE.  
RTECS #:9999999ZZ

Ingred Name:HAZ DECOMP PROD:CANNOT BE CLASSIFIED SIMPLY. COMPOSITION &  
QTY OF THESE ARE DEPENDENT UPON META  
L BEING WELDED, (ING 15)  
RTECS #:9999999ZZ

Ingred Name:ING 14:PROCESS, PROCS & ELECTRODES/OTHER CONSUMABLES USED.  
DURING WELDING, THERMAL SPRAYING & ALLIED PROCESSES, (ING 16)  
RTECS #:9999999ZZ

Ingred Name:ING 15:FUME & GAS DECOMP PRODS GENERATED ARE DIFF IN  
PERCENT IN FORM FROM INGS LISTED. GASEOUS RXN PRODS MAY (ING 17)  
RTECS #:9999999ZZ

Ingred Name:ING 16:INCL OZONE, CARBON MONOXIDE, CARBON DIOXIDE,  
NITROGEN OXIDES & CERTAIN INERT GASES USED AS SHIELDING (ING 18)  
RTECS #:999999  
9ZZ

Ingred Name:ING 17:GASES. FOR MORE SPECIFIC INFORMATION REGARDING  
HAZARDOUS DECOMPOSTION PRODUCTS CONTACT NEHC .  
RTECS #:9999999ZZ

Ingred Name:EFTS OF OVEREXP:SIDEROSIS (IRON DEPOSITS IN LUNG). METAL  
FUME FEVER:CAN BE CAUSED BY INHAL OF CERTAIN METALLIC (ING 20)  
RTECS #:9999999ZZ

Ingred Name:ING 19:CMPDS DURING WELDING, HEATING, BRAZING,  
SOLDERING/CUTTING OPERATIONS. SYMPS ARE SIMILAR TO FLU-TYPE (ING  
21)  
RTECS #:9999999ZZ

Ingred Name:ING 20:SICKNESS INCL CHILLS, FEVER, H

EAD & MUSC ACHE,  
TIGHTNESS OF CHEST, DRYNESS OF NOSE & MOUTH, MUSCULAR (ING 22)  
RTECS #:9999999ZZ

Ingred Name:ING 21:PAIN, NAUS & VOMIT. SYMPS USUALLY OCCUR W/IN SEVERAL  
HRS AFTER OVEREXP & MAY LAST 6-24 HRS. CONSULT MD (ING 23)  
RTECS #:9999999ZZ

Ingred Name:ING 22:IMMEDIATELY IF ANY OF THESE SYMPTOMS DEVELOP AFTER  
WELDING OPERATION. FOR MORE SPECIFIC INFORMATION (ING 24)  
RTECS #:9999999ZZ

Ingred Name:ING 23:REGARDING HEALTH HAZARDS OF INDIVIDUAL INGREDIENTS  
CONTACT NEHC .  
RTE  
CS #:9999999ZZ

Ingred Name:OTHER PREC:SPRAYING", PUBLISHED BY THE AMERICAN WELDING  
SOCIETY & OSHA PUBLICATION 2206 (29 CFR 1910) FOR MORE DETAILS.  
RTECS #:9999999ZZ

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

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 CAN BE DANGEROUS TO YOUR  
HLTH & OVEREXP CAN CA  
USE LUNG DMG &/OR OTHER ORG DMG. EYE/SKIN  
CONT:ARC RAYS & UV LIGHT CAN INJURE EYES & BURN SKIN. LIQS USED IN  
FLUXES & CHEM AIDS MAY CAUSE IRRI T/POSS CHEM BURNS. ELEC SHOCK CAN  
KILL.INGEST:DANGER! MAY BE HARMFUL/FATAL IF SWALLOWED. GEN WELDING  
(EFTS OF OVEREXP)  
Explanation of Carcinogenicity:NICKEL:IARC MONOGRAPHS, VOL 49, PG 247,  
1990:GRP 2B. NTP 7TH ANNUAL RPT ON CARCINS, 1994:ANTIC TO BE  
CARCIN. (SUPP DATA)  
Effects of Overexposure:HLTH HAZ:FUMES:FUMES, GASES & DUSTS CA  
N BE  
DANGEROUS TO YOUR HLTH. CERTAIN MED STUDIES HAVE SUGGESTED THAT  
LUNG DMG CAN RSLT FROM OVEREXP TO THESE FUMES. SHORT TERM OVEREXP  
MAY RSLT IN DIZZ, NAUS, DRY NESS/IRRIT OF NOSE, THROAT/EYES.  
EXCESSIVE OVEREXP MAY CAUSE BRONCH ASTHMA, LUNG FIBROSIS,  
PNEUMOCONIOSIS/ (ING 19)  
Medical Cond Aggravated by Exposure:AGGRAVATION OF PREEXISTING  
RESPIRATORY OR ALLERGIC CONDITIONS MAY OCCUR IN SOME WORKERS.

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

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First Aid:INHAL:MOVE VICTIM TO FRESH AIR SOURCE. CONTACT MD & ADVISE ON INGS LISTED. SKIN:THORO WASH HANDS/AFFECTED AREAS W/SOAP & WATER TO REMOVE ALL RESIDUE. IF RASH/BURN DEVELOPS, CONSULT MD. EYES:THORO FLUS H W/WATER FOR AT LEAST 15 MINUTES TO REMOVE ALL RESIDUE. OBTAIN PROMPT MED ADVICE FOR FLUXES & CHEMICAL AIDS. ADVISE MD OF INGS LISTED. INGEST:CALL MD &/OR LOCAL POIS CTL CTR. ADVISE OF INGS LISTED.

===== Fire Fighting Measures =====  
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Extinguishing Media:CO\*2, DRY CHEMICAL FOAM TYPE.  
Fire Fighting Procedures:USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT . TOXIC FUMES MAY BE PRODUCED. SEE HAZARDOUS DECOMPOSITION PRODUCTS SECTION.  
Unusual Fire/Explosion Hazard:GENRLY NONFLAMM:WELDING ARC, SPKS & FLAMES CAN IGNITE COMBUSTS & FLAMMS. SOME FLUXES & CHEM AIDS MAY GIVE OFF HYDROGEN CHLORIDE, PHOSGENE & CHLORINE (SUPP DATA)

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

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

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

Handling and Storage Precautions:TRAIN WELDER TO KEEP HIS/HER FACE AWAY FROM FUME/DUST PLUME. USE ADEQUATE VENTILATION TO KEEP BELOW EXPOSURE LIMITS. HANDLE W/CARE.  
Other Precautions:TRAIN WORKERS NOT TO TOUCH LIVE ELEC PARTS & TO INSULATE THEMSELVES FROM WORK & ELEC GROUND. PLEASE READ & UNDERSTAND PROD LBL INFO FOR PR  
OPER PROCS & USE. SEE ANSI Z49.1,  
"SFTY IN WELDING & CUTTING", & CHAPTER 11 OF "THERMAL (ING 25)

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

Respiratory Protection:IF WORK STATION IS NOT PROPERLY VENTILATED TO EXHAUST ALL FUMES, VAPORS & DUSTS BELOW RECOMMENDED EXPOSURE LIMITS, USE A NIOSH APPROVED RESPIRATOR.  
Ventilation:USE ENOUGH GENERAL VENT & LOCAL EXHAUST AT WORK SITE TO KEEP ALL FUMES & DUSTS FROM WORKER'S BREATHING ZONE & GEN AREA.  
Protective Gl

oves:WELDER'S GLOVES.

Eye Protection:ANSI APPRVD CHEM WORKERS GOGGS &(SUPDAT)

Other Protective Equipment:ANSI APPRVD EYE WASH FOUNTAIN & DELUGE  
SHOWER . WEAR HAND, HEAD & BODY PROT; THIS MAY INCL ARM  
PROTECTORS,(SUPDAT)

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

EXPLO HAZ:GASES. CANS UNDER PRESS & FLAMMS MAY EXPLODE. EXPLAN OF  
CARCIN:ANIMAL:LUNGS, NASAL CAVITIES. OTHER PROT EQUIP:APRONS, HATS  
AS WELL AS DARK, PROT CLTHG. EYE PROT:FULL L

GTH FSHLD , W/APP ROP

FILTER LENS. PROVIDE PROT SCREENS &FLASH GOGGS IF NEC, TO SHIELD  
OTHERS. AS RULE, START W/SHADE THAT IS TOO(ING 13)

===== 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 P

roducts:FUMES, GASES & DUSTS GIVEN OFF DURING

HEATING, WELDING, BRAZING, SOLDERING, CUTTING/THERMAL SPRAY  
PROCESSES (ING 14)

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

Waste Disposal Methods:DISP OF WASTE MATL, POWDERS, GRINDING/FILTER  
RESIDUES IN AN ENVIRONMENTALLY SENSITIVE MANNER I/A/W FED, STATE &  
LOC REGS. USE APPROP MEASURES TO KEEP AIRBORNE DUST LEVELS CNTND  
I/A/W EXPOS LEVELS. SEE GEN HAZ SUMMARY SECTION FOR SAFE HNDLG&  
STORAGE.

Discl

aimer (provided with this information by the compiling agencies):

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