

EUTECTIC CORP -- EUTECTRODE 680 -- 3439-01-163-2945

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

Product ID:EUTECTRODE 680  
MSDS Date:03/31/1993  
FSC:3439  
NIIN:01-163-2945  
MSDS Number: BXHNV  
=== Responsible Party ===  
Company Name:EUTECTIC CORP  
Address:40-40 172ND STREET  
City:FLUSHING  
State:NY  
ZIP:11358-9981  
Country:US  
Info Phone Num:718-358-4000 FAX: 718-445-1784  
Emergency Phone Num:718-358-4000  
CAGE:72271

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== 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

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

Ingred Name:IRON  
CAS:7439-89-6  
RTECS #:NO4565500  
Other REC Limits:NONE RECOMMENDED

Ingred Name:CHROMIUM (SARA 313) (CERCLA)  
CAS:7440-47-3  
RTECS #:GB4200000  
Fraction by Wt: 20-30%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:1 MG/M3  
ACGIH TLV:0

.5 MG/M3; 9495  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:NICKEL (SARA 313) (CERCLA)  
CAS:7440-02-0  
RTECS #:QR5950000  
Fraction by Wt: 5-10%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:1 MG/M3  
ACGIH TLV:1 MG/M3; 9495

Ingred Name:SODIUM SILICATE  
CAS:1344-09-8  
Other REC Limits:NONE RECOMMENDED

Ingred Name:CALCIUM CARBONATE (MARBLE) (LIMESTONE)  
CAS:1317-65-3  
RTECS #:EV9580000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:15 MG/M3 TDUST  
ACGIH TLV:10 MG/M3 TDUST; 9495

Ingred Name:TITANIUM DIOXIDE  
CA  
S:13463-67-7  
RTECS #:XR2275000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:15 MG/M3 TDUST  
ACGIH TLV:10 MG/M3 TDUST; 9495

Ingred Name:FELDSPAR  
CAS:68476-25-5  
Other REC Limits:NONE RECOMMENDED

Ingred Name:POTASSIUM HYDROXIDE (CERCLA)  
CAS:1310-58-3  
RTECS #:TT2100000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:C 2 MG/M3  
ACGIH TLV:C 2 MG/M3; 9495  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:MANGANESE (SARA 313)  
CAS:7439-96-5  
RTECS #:OO9275000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:C 5 M

G/M3 DUST  
ACGIH TLV:5 MG/M3 DUST 9495

Ingred Name:POTASSIUM TITANATE  
CAS:12030-97-6  
Other REC Limits:NONE RECOMMENDED

Ingred Name:FLUORSPAR  
CAS:14542-23-5  
Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES  
Health Hazards Acute and Chronic:NO HAZ EXIST FOR ARC WELDING  
ELECTRODE/BRAZING RODS BEF BEING USED IN WELD/BRAZE PROCE  
SS.FUMES  
FRM HEAT/WELD/BRAZ/SOLDER/CUT METALS DANGEROUS TO HEALTH;OVEREXPO  
CAN CAUSE LUNG/OTHER ORGANS DAMAGE.ARC RAYS/ULTRAVIOLET LIGHT  
INJURE EYES/BURNSKIN.ELECTRICAL SHOCK CAN KILL.HARMFUL/FATAL IF  
INGEST.

Explanation of Carcinogenicity:PER MSDS:PRODUCT CONTAINS CHROMIUM &  
NICKEL-INGREDS LISTED AS CARCINOGEN/POSSIBLE CARCINOGEN IN  
NTP/IARC/OSHA.

Effects of Overexposure:SHORT TERM EXPO:DIZZ,NAU,DRYNESS/IRRIT OF  
NOSE/THROAT/EYES.ESCESSIVE OVEREXPO:BRONCHIAL ASTHMA,L  
UNG  
FIBROSIS,PNEUMOCONIOSIS OR SIDEROSIS(IRON DEPOSITS IN LUNG).METAL  
FEVER:SIMILAR TO INFLUENZA TYP SIC KNESS,CHILLS,FEVER,HEAD/MUSCLE  
ACHE,TIGHT CHEST,DRYN NOSE/MOUTH,NAU,VOMIT.MECHANICAL SKIN/EYE  
IRRIT,PULM IRRIT.

Medical Cond Aggravated by Exposure:PRE-EXISTING RESPIRATORY OR  
ALLERGIC CONDITIONS.

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

First Aid:INHAL:MOVE TO FRESH AIR SOURCE.CONTACT PHYSICIAN;ADVISE OF  
INGREDS.SKIN:THOROUGHLY WASH W/SOA  
P/WATER.IRRIT/BURN DEVELOPS  
CONSULT PHYSICIAN.EYE:THOROUGHLY FLUSH W/WATER FOR @LEAST  
15MINS.GET IMMED MED ADVISE FOR FLUXES/CHEM AIDS.ADVISE PHYSICIAN  
OF INGREDS.INGEST:CALL PHYSICIAN &/OR POISON CNTRL CNTR.ADVISE OF  
INGREDS.

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

Flash Point:NON-FLAMMABLE  
Extinguishing Media:CO2, DRY CHEMICAL FOAM TYPE.  
Fire Fighting Procedures:USE SELF-CONTAINED BREATHING APPARATUS.  
Unusual Fire/Explosion Hazard:SEE ANSI Z49 FO

R FIRE PREVENTION DURING  
WELD/ALLIED PROCESSES.GENERALLY NONFLAMM;WELDING ARC/SPARKS/FLAMES  
CAN IGN COMBUST/FLAMM.TOXIC FUMES PRODUCES

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

Spill Release Procedures:USE APPROPRIATE MEASURE TO KEEP AIRBORNE DUST  
BELOW EXPO LEVELS.

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

Handling and Storage Precautions:READ/UNDERSTAND PROD LABEL INFO FOR  
PROPER PROCEDURE/USE.SEE ANSI Z49.1 FRM AMER WELD  
SOC & OSHA

PUBLICATION 2206(28CFR1910).

Other Precautions:USE ADEQUA VENTI TO KEEP BELOW EXPO LIMITS.KEEP  
FUME/GAS FRM BREATH ZONE.KEEP WELDER HEAD OUT OF FUMES.TO DETERMINE  
COMPO/QUANT OF FUME/GAS WORKERS EXPO SAMPLE AIR INSIDE WORKER  
HELMET/WELDER BREATH Z ONE-SEE ANSI/AWS F1.1 FRM AMER WELD SOC.

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

Respiratory Protection:IF WORK STATION NOT PROPERLY VENTILATED TO  
EXHAUST ALL FUMES/VAPO/MIST/DUST BELOW RECOM  
MENDED EXPO LIMITS USE  
NIOSH APPROVED RESPIRATOR.

Ventilation:USE ENOUGH GEN VENTI/LOC EXHAU @WORK SITE TI KEEP FUME/DUST  
FRM WORKER BREAZTH ZONE/GEN AREA.

Protective Gloves:WELDERS GLOVES.

Eye Protection:CHEM GOGG,FACESHIELD.

Other Protective Equipment:WEAR PROPER EAR/BODY/HAND/HEAD  
PROT,HELMET/FACESHIELD W/APPROP FILTER LENS.PROT SCREENS/FLASH GOGG  
FOR OTHERS,APRON

Work Hygienic Practices:TRAIN WELDER TO KEEP FACE AWAY FRM WELD  
FUME/DUST PLUME & NOT TOUCH LIVE ELCTR PARTS/I  
NSULATE FRM  
WORK/ELECT GROUND.

Supplemental Safety and Health

HAZ DECOMPO:VENTILATION/WORKER HEAD POSITION/CONTAMIN IN ATM.PROD  
GENERATED DIFFERENT IN %/FORM FROM INGREDIENTS LISTED.COMPLEX OXIDES OF  
METALS LISTED,OZONE,CO,CO2,NITROGEN OXIDES,INERT GASES.

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

HCC:N1

Appearance and Odor:NONE SPECIFIED BY MANUFACTURER.

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

Stability Indicator/Materials to Avo

id:YES

NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:CAN'T BE CLASSIFIED;DEPEND UPON  
METAL/PROCESS/PROCEDURES/ELECTRODES/COATING ON WORKPC/#OF  
WORKERS/VOL OF WORKSPACE(SUPP)

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

Waste Disposal Methods:DISPOSE OF WASTE MATL/POWDERS/GRINDING/FILLER  
RESIDUE IN ENVIRONMENTALLY SENSITIVE MANNER IAW FED/STATE/LOC  
REGS.USE APPROPRIATE MEASURES  
TO KEEP AIRBORNE DUST BELOW EXPO  
LEVELS.

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