

EUTECTIC CORPORATION -- XUPER 185 XFC -- 3439-01-012-1756

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

Product ID:XUPER 185 XFC

MSDS Date:03/15/1993

FSC:3439

NIIN:01-012-1756

MSDS Number: BHBCB

=== Responsible Party ===

Company Name:EUTECTIC CORPORATION

Address:40-40 172ND STREET

City:FLUSHING

State:NY

ZIP:11358-2799

Country:US

Info Phone Num:718-358-4000

Emergency Phone Num:718-358-4000

CAGE:EO060

=== Contractor Identification ===

Company Name:EUTECTIC CORP

Address:962

5-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

CAGE:EO060

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

Ingred Name:COPPER (DUST & MIST), BRONZE POWDER

CAS:7440-50-8

RTECS #:GL5325000

Fraction by Wt: 40-50%

Other REC Limits:1 MG(CU)/M3 (DUST)

OSHA PEL:0.1 MG(CU)/M3 (FUME)

ACGIH TLV:0.2 MG/M3 (FUME)

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:ZINC

CAS:7440-66-

6

RTECS #:ZG8600000  
Fraction by Wt: 30-40%  
ACGIH TLV:10 MG/CUM  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:NICKEL (SOLUBLE) (SUSPECTED HUMAN CARCINOGEN BY NTP, IARC,  
ACGIH) INTENDED CHANGE (IC)

CAS:7440-02-0  
RTECS #:QR5950000  
Fraction by Wt: 10-15%  
Other REC Limits:1 MG/CUM  
OSHA PEL:1 MG/CUM  
ACGIH TLV:0.05 MG/CUM IC

Ingred Name:BORIC ACID, ORTHOBORIC ACID

CAS:10043-35-3  
RTECS #:ED4550000

Ingred Name:SODIUM TETRABORATE DECAHYDRATE, SODIUM BORATE, BORAX,  
ANHYDROUS BORAX

CAS:13  
03-96-4  
RTECS #:VZ2275000  
ACGIH TLV:5 MG/CUM

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:INHALATION: NOSE & THROAT IRRITATION,  
DIZZINESS, NAUSEA, DRYNESS, LUNG & OTHER ORGAN DAMAGE, METAL FUME  
FEVER. EYES/SKIN: INJURY & BURNS, POSSIBLE CHEMICAL BURNS.  
INGESTION: HARMFUL.  
Explanation of Carcinogenicity:SEE INGREDIENTS  
Effects of Overexposure:INHALATION: BRONCHIAL ASTHMA, LUNG FIBROSIS,  
PNEUMOCONIOSIS (IRON DEPOSITS IN LUNG).

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

First Aid:INHALATION: REMOVE TO FRESH AIR. SKIN: WASH W/SOAP & WATER TO  
REMOVE ALL RESIDUE. EYES: FLUSH THOROUGHLY W/WATER FOR AT LEAST 15  
MINS TO REMOVE ALL RESIDUE. INGESTION: CALL PHYSICIAN OR POISON  
CONTROL CENTER. OBTAIN MEDICAL ATTENTION IN ALL CASES.

===== Fire Fighting Me

asures =====

Flash Point:NONFLAMMABLE

Extinguishing Media:CO2, DRY CHEMICAL FOAM TYPE

Fire Fighting Procedures:WEAR APPROVED SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:WELDING ARC & SPARKS & BRAZING FLAMES CAN IGNITE COMBUSTIBLES & FLAMMABLES. CANS UNDER PRESSURE & FLAMMABLES MAY EXPLODE.

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

Handling and Storage Precautions:FUMES, GASES & DUST GIVEN OFF DURING HEATING, WELD

ING, BRAZING, SOLDERING, CUTTING OR THERMAL SPRAY PROCESSES CANNOT BE CLASSIFIED SIMPLY.

Other Precautions:ELECTRICAL SHOCK CAN KILL. TRAIN WELDER TO KEEP HIS/HER FACE AWAY FROM THE FUME/DUST PLUME. TRAIN WORKERS NOT TO TOUCH LIVE ELECTRICAL PARTS & TO INSULATE THEMSELVES FROM WORK & ELECTRICAL GROUND.

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

Respiratory Protection:USE NIOSH APPROVED RESPIRATOR

Ventilation:USE ENOUGH GENERAL & LOCAL EXHAUST AT WORK SITE TO KEEP ALL

FUMES & DUST FROM WORKER'S BREATHING ZONE

Protective Gloves:WELDER'S

Eye Protection:HELMET OR FACE SHIELD W/FILTER LENS

Other Protective Equipment:ARM PROTECTORS, APRONS, HATS, SHOULDER PROTECTION. PROVIDE PROTECTIVE SCREENS/FLASH GOGGLES.

Supplemental Safety and Health

COMPOSITION & QUANTITY OF FUMES/GASES ARE DEPENDENT UPON METAL BEING WELDED/PROCESS/PROCEDURES/ELECTRODES OR OTHER CONSUMABLES USED. OTHER INFLUENCES: COATINGS ON WORKPIECE, NUMBER OF WORKERS & VOLUME

OF WORK SPACE, QUALITY/AMOUNT OF VENTILATION, POSITION OF WELDERS HEAD TO FUME PLUME & CONTAMINANTS IN ATMOSPHERE.

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

Stability Indicator/Materials to Avoid:YES

Stability Condition to Avoid:SPARKS & FLAMES

Hazardous Decomposition Products:FLUORIDE COMPOUNDS, METAL OXIDES, CO, CO2, SILICA, OZONE, NITROGEN OXIDES, & INERT GASES

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

Waste Disposal Method

ds:DISPOSE OF WASTE MATERIAL, POWDERS, GRINDING OR  
FILTER IN ENVIRONMENTALLY SENSITIVE MANNER IN ACCORDANCE W/FEDERAL,  
STATE, & LOCAL REGULATIONS.

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