

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

=== Cont

actor 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

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 TETRABORA  
TE DECAHYDRATE, SODIUM BORATE, BORAX,  
ANHYDROUS BORAX  
CAS:1303-96-4  
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 Measures  
=====

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, WELDING, 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

=====  
Dis

posal Considerations =====

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

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  
d

isclaims 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.