

EUTECTIC CORP -- XUPER 18 XFC -- 3439-00-027-0947

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

Product ID:XUPER 18 XFC

MSDS Date:09/18/1986

FSC:3439

NIIN:00-027-0947

MSDS Number: BPXTQ

=== 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

=== 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:COPPER (SARA III)

CAS:7440-50-8

RTECS #:GL5325000

Other REC Limits:NONE SPECIFIED BY M.

OSHA PEL:0.1MG/M3 FUME/1 DUST

ACGIH TLV:0.2MG/M3 FUME; 9192

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:ZINC (SARA III)

CAS:7440-66-6

RTECS #:ZG8600000

Other REC Limits:NONE SPECIFIED BY M.

OSHA PEL:

10 MG ZNO/M3
ACGIH TLV:10 MG ZNO/M3; 9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:BORIC ACID
CAS:10043-35-3
RTECS #:ED4550000
Other REC Limits:NONE SPECIFIED BY M.
OSHA PEL:15 MG/CUM
ACGIH TLV:10 MG/CUM

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

LD50 LC50 Mixture:UNCLASSIFIED BRAZING FUMES=5MG/M3 PEL

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EXPOSURE TO BR
AZING FUMES OR GASES MAY

CAUSE METAL FUME FEVER. SYMPTOMS INCLUDE NAUSEA, FEVER, DRYNESS OR
IRRITATION OF THE THROAT, COUGHING, BODY ACHE AND CHILLS. LONG TERM
EXPOSURE TO BRAZING FUMES, GASES OR DUST MAY CONTRIBUTE TO
PULMONARY IRRITATION OR PNEUMOCONIOSIS. USE OF FLUORIDE FLUX FUMES
ARE ALSO HAZARDOUS.

Explanation of Carcinogenicity:NONE OF THE INGREDIENTS IN THIS ALLOY
ARE CONSIDERED CARCINOGENIC BY NTP, IARC OR OSHA.

Effects of Overexposure:COPPER AND ZINC FUME MAY CA
USE METAL FUME

FEVER. SHORT TERM SYMPTOMS MAY INCLUDE A METALLIC TASTE IN THE
MOUTH, DRYNESS OR IRRITATIONS OF THE THROAT FOLLOWED BY COUGHING,
SHORTNESS OF BREATH, NAUSEA, FEVER, BODY ACHE, AND CHILLS. LONG
TERM EXPOSURE TO WELDING FUME, GASES OR DUST MAY CONTRIBUTE TO
PULMONARY IRRITATION.

Medical Cond Aggravated by Exposure:INDIVIDUALS WITH IMPAIRED PULMONARY
FUNCTIONS OR ILLNESS MAY HAVE SYMPTOMS EXACERBATED BY FUME
IRRITATIONS.

===== First Aid

Measures =====

First Aid:IN CASE OF ELECTRICAL SHOCK, TURN OFF POWER PRIOR TO REMOVAL
FROM EXPOSURE AREA AND ADMINISTRATION OF FIRST AID. REMOVE FROM
EXPOSURE AREA AND CALL FOR MEDICAL AID. ADMINISTER OXYGEN IF
BREATHING IS DIFFICULT. IF NOT BREATHING, BEGIN ARTIFICIAL
RESPIRATION. IF NO DETECTABLE PULSE, BEGIN EXTERNAL HEART MASSAGE.
EMPLOY FIRST AID TECHNIQUES RECOMMENDED BY THE AMERICAN RED CROSS.

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

=====

Flash Point:NONE
Autoignition Temp:Autoignition Temp Text:NONE
Extinguishing Media:NONFLAMMABLE. WELDING ARC & SPARKS & BRAZING FLAMES
CAN IGNITE COMBUSTIBLES AND FLAMMABLES. USE MEDIA FOR SPECIFIC
FIRE.
Fire Fighting Procedures:REFER TO ANSI Z49.1 FOR FIRE PREVENTION DURING
THE USE OF WELDING AND ALLIED PROCEDURES.
Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedures:CLEAN UP ANY GRINDING D
UST OR WASTE RESIDUES
AND PLACE IN SUITABLE DOT APPROVED CONTAINERS FOR DISPOSAL. AVOID
INHALATION OF DUST AND SKIN EXPOSURE.

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

Other Precautions:PROVIDE PROTECTIVE SCREENS TO SHIELD OTHERS. WHEN
ELECTRODES AND FLUXES ARE CONSUMED, THE FUME AND GAS DECOMPOSITION
PRODUCTS GENERATED ARE DIFFERENT IN FORM FROM THE INGREDIENTS
LISTED. NEW COMPOUNDS NOT IN THE ELECTRODES MAY FORM.

===== Exposure Control
s/Personal Protection =====

Respiratory Protection:USE WELD FUME RESPIRATOR OR AIR SUPPLIED
RESPIRATOR WHEN CUTTING, GRINDING OR BRAZING IN A CONFINED SPACE OR
WHERE LOCAL EXHAUST OR GENERAL VENTILATION DOES NOT KEEP EXPOSURE
BELOW RECOMMENDED LIMITS. USE ONLY NIOSH APPROVED RESPIRATORS.

Ventilation:USE ENOUGH VENTILATION WHEN CUTTING, GRINDING OR BRAZING TO
KEEP THE DUST, FUMES & GASES FROM THE WORKERS BREATHING ZONE

Protective Gloves:WELDERS LEATHER GLOVES

Eye Protec

tion:OSHA APPROVED GOGGLES/FACE SHIELD W/LENS

Other Protective Equipment:DARK FLAME RETARDANT CLOTHING WHEN CUTTING,
GRINDING OR BRAZING INCLUDING ARM & SHOULDER PROTECTORS, APRON, AND
HAT.

Work Hygienic Practices:WASH THOROUGHLY BEFORE EATING, DRINKING OR
SMOKING. LAUNDER CONTAMINATIED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

BRAZING FUMES & GASES CANNOT BE CLASSIFIED SIMPLY. THEIR COMPOSITION
AND QUANTITY ARE DEPENDENT ON THE METAL BEING WELDED, THE
PROCEDURES,

PROCESSES AND THE TYPE OF WIRE OR ELECTRODES USED.
OTHER INFLUENCING FACTORS ARE THE PRESENCE OF CONTAMINANTS.
CHLORINATED SOLVENTS AND FLUORIDE FLUXES MAY DECOMPOSE TO TOXIC
GASES.

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

HCC:N1
Appearance and Odor:WELDING ROD, FLUX COATED.
Percent Volatiles by Volume:0

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

Stability Indicator/Materials to Avoid:YES
NONE
Stability Condition to Avoid:NON
E
Hazardous Decomposition Products:BRAZING FUMES AND GASES CANNOT BE
CLASSIFIED SIMPLY. THE DECOMPOSITION PRODUCTS ARE DIFFERENT FROM THE
ROD INGREDIENTS.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH 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
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.