

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 BRAZING 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 CAUSE 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 DUST 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 Controls/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 B
REATHING ZONE

Protective Gloves:WELDERS LEATHER GLOVES

Eye Protection: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. LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

BRAZING FUMES & GASES CANNOT BE CLASSIFIED SIMPLY. THEIR COMPOSITION
AND QUAN

TILITY 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:NONE

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.