

EUTECTIC CORPORATION -- EUTALLITE UNIVERSAL, 10092 -- 3439-00-476-5360

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Product Identification
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Product ID:EUTALLITE UNIVERSAL, 10092

MSDS Date:03/15/1993

FSC:3439

NIIN:00-476-5360

MSDS Number: CDZTX

=== 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:800-4

24-9300

CAGE:EO060

=== 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

Company Name:EUTECTIC CORPORATION

CAGE:EO060

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Composition/Information on Ingredients
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Ingred Name:COBALT (SARA 313)

CAS:7440-48-4

RTECS #:GF8750000

Fraction by Wt: 30-40%

OSHA PEL:0.1 MG/M3

ACGIH TLV:0.02 MG/M3; A3; 9495

Ingred Name:CHROMIUM (SARA 313) (CERCLA)

CAS:7440-47-3
RTECS #:GB4200000
Fraction by Wt: 20-30%
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: 25-35%
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3; 9495

Ingred Name:BORON

CAS:7440-42-8
RTECS #:ED7350000
OSHA PEL:10 MG B2O3/M3
ACGIH TLV:10 MG B2O3/M3

Ingred Name:SILICON

CAS:7440-21-3
RTECS #:VW0400000
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9495

Ingred Name:CARBON

CAS:74
40-44-0
RTECS #:FF5250100
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:2 MG/M3 TDUST; 9495

Ingred Name:TUNGSTEN,AS W,SOLUBLE COMPOUNDS.

CAS:7440-33-7
RTECS #:YO7175000
OSHA PEL:N/K
ACGIH TLV:1 MG/M3/3 STEL; 9495

Ingred Name:IRON

CAS:7439-89-6
RTECS #:NO4565500
OSHA PEL:15 MG/M3 (MFR)
ACGIH TLV:10 MG/M3 (MFR)

Ingred Name:SUPDAT:REASONABLY EXPECTED CONSTITUENTS OF FUME MAY
INCLUDE:COMPLEX OXIDES OF METALS, FLUX COATINGS (ING 10)

RTECS #:9999999ZZ

Ingred Name:ING 9:MAY PRDCE FLUORIDE CMPDS, METAL OXI

DES, CARBON &
SILICA. GASEOUS RXNS PRODS MAY INCL OZONE, CARBON (ING 11)
RTECS #:9999999ZZ

Ingred Name:ING 10:MONOXIDE, CARBON DIOXIDE, NITROGEN OXIDES, & CERTAIN
INERT GASES USED AS SHIELDING GASES. ONE REC WAY TO (ING 12)
RTECS #:9999999ZZ

Ingred Name:ING 11:DETERM COMPOSITION & QUANTITY OF FUMES & GASES TO
WHICH WORKERS ARE EXPOSED IS TO TAKE AN AIR SAMPLE (ING 13)
RTECS #:9999999ZZ

Ingred Name:ING 12:INSIDE THE WORKER'S HELMET IF WORN/IN THE WELDER'S
BREATHING ZONE. FOR MO
RE DETAILED INFO CONTACT NEHC .
RTECS #:9999999ZZ

Ingred Name:EFTS OF OVEREXP:PNEUMOCONIOSIS/SIDEROSIS. METAL FUME
FEVER:CAN BE CAUSED BY INHAL OF METALLIC CMPDS DURING (ING 15)
RTECS #:9999999ZZ

Ingred Name:ING 14:OPERATIONS. SYMPS ARE SIMILAR TO INFLUENZA TYPE
SICKNESS INCLUDING CHILLS, FEVER, HEAD & MUSCLE ACHE, (ING 16)
RTECS #:9999999ZZ

Ingred Name:ING 15:TIGHTNESS OF CHEST, DRYNESS OF NOSE & MOUTH,
MUSCULAR PAIN, NAUSEA & VOMIT. SYMPS USUALLY OCCUR W/IN (ING 17)
RTECS #:9999
999ZZ

Ingred Name:ING 16:SEVERAL HRS AFTER OVEREXP & MAY LAST 6-24 HRS. BORON
OXIDES:OVEREXP WILL LIKELY CAUSE MILD IRRIT OF RESP (ING 18)
RTECS #:9999999ZZ

Ingred Name:ING 17:SYS,EYES & ON OPEN SKIN WOUNDS. INGEST MAY CAUSE
NAUSEA, VOMIT, DIARR/ERYTHEMATIOUS FLUSH. ALL EFTS ARE (ING 19)
RTECS #:9999999ZZ

Ingred Name:ING 18:REVERSIBLE. CHROMIUM: SHORT TERM OVEREXP FROM INHAL
CAN CAUSE IRRIT OF RESP SYS, LUNG DMG (ING 20)
RTECS #:9999999ZZ

Ingred Name:ING 19:& ASTHMA LIKE SYMPS. S

WALLOWING CHROMIUM VI SALTS

CAN CAUSE SEVERE INJURY & DEATH. DUST ON SKIN CAN CAUSE(ING 21)
RTECS #:9999999ZZ

Ingred Name:ING 20:ULCERS. EYES MAY BE BURNED BY CHROMIUM VI CMPDS.
STUDIES OF LONG TERM OVEREXP HAVE SHOWN THAT PRODUCTION (ING 22)
RTECS #:9999999ZZ

Ingred Name:ING 21:WORKERS EXPOSED TO HEXAVALENT CHROMIUM CMPDS HAVE AN
EXCESS OF LUNG CANCER. ABSORPTION THRU SKIN CAUSE (ING 23)
RTECS #:9999999ZZ

Ingred Name:ING 22:SYSTEMATIC POISONING PRIMANLY AFFECTING KIDNEYS &
LI
VER. FOR MORE SPECIFIC INFORMATION CONTACT NEHC .
RTECS #:9999999ZZ

Ingred Name:EXPLAN OF CARCIN:NICKEL:IARC MONOGRAPHS ON EVALUATION OF
CARCINOGENIC RISK OF CHEM TO MAN, VOL 49, PG 257, 1990:(ING 25)
RTECS #:9999999ZZ

Ingred Name:ING 24:GROUP 2B. NTP 7TH ANNUAL REPORT ON CARCINOGENS,
1994: ANTICIPATED TO BE CARCINOGEN.
RTECS #:9999999ZZ

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:Y

ES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO

Health Hazards Acute and Chronic:INHAL:FUMES CAN BE DANGEROUS TO YOUR
HLTH & OVEREXP CAN CAUSE LUNG DMG &/OTHER ORGAN DMG. EYE/SKIN
CNTCT:ARC RAYS & ULTRAVIOLET LIGHT CAN INJURE EYES & BURN SKIN. LIQ
USE IN FLUXES & CHEM AIDS MAY CAU SE IRRIT/POSS CHEM BURNS. ELEC
SHOCK CAN KILL. INGEST:DANGER! MAY BE HARMFUL OR FATAL IF
SWALLOWED. (EFTS OF OVEREXP)

Explanation of Carcinogenicity:COBALT:IARC MO
NOGRAPHS ON THE EVALUATION

OF CARCIN RISK OF CHEMICALS TO MAN, VOL 52, PG 363, 1991: GROUP 2B.
(ING 24)

Effects of Overexposure:HLTH HAZ:GENERAL WELDING FUMES:FUMES, GASES &
DUSTS CAN BE DANGEROUS TO YOUR HLTH. MED STUDIES HAVE SUGGESTED
THAT LUNG DMG CAN RSLT FROM OVEREXP TO THESE FUMES. SHORT TERM
OVEREXP MAY RSLT IN DIZZ, N AUS/DRYNESS/IRRIT OF NOSE,
THROAT/EYES.EXCESSIVE OVEREXP MAY CAUSE BRONCHIAL ASTHMA, LUNG
FIBROSIS, (ING 14)

Medical Cond Aggravated by Exposur

e:AGGRAVATION OF PREEXISTING
RESPIRATORY OR ALLERGIC CONDITIONS MAY OCCUR IN SOME WORKERS.

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First Aid Measures
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First Aid:INHAL:MOVE VICTIM TO FRESH AIR SOURCE. CNTCT MD & ADVISE ON
INGREDS LISTED IN SECTION 2. SKIN:THORO WASH HANDS/EFFECTED AREAS
W/SOAP & H*2O TO REMOVE ALL RESIDUES. IF RASH/BURN DEVELOPS,
CONSULT MD. E YE:THOROUGHLY FLUSH EYES W/H*2O FOR AT LEAST 15 MIN
TO REMOVE ALL RESIDUE. OBTAIN PROMPT MED ADVISE FOR FLU
XES & CHEM
AIDS. INGEST:CALL MD &/LOCAL POIS CTL CTR. ADVISE OF INGRED LISTED
IN SECTION 2.

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Fire Fighting Measures
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Extinguishing Media:CO*2, DRY CHEMICAL FOAM TYPE.
Fire Fighting Procedures:USE NIOSH APPROVED SCBA & FULL PROTECTIVE
EQUIPMENT . TOXIC FUMES MAY BE PRODUCED-USE AN APPROVED SCBA.
Unusual Fire/Explosion Hazard:SOME FLUXES & CHEM AIDS MAY GIVE OFF
HYDROGEN CHLORIDE, PHOSGENE & CHLORINE GASES. REFER TO ANSI Z49.1
FOR F
IRE PVNTN DURING USE OF WELDING & ALLIED (SUPDAT)

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Accidental Release Measures
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Spill Release Procedures:DISPOSE OF WASTE MATERIAL IN AN
ENVIRONMENTALLY SENSITIVE MANNER IN ACCORDANCE WITH FEDERAL, STATE
AND LOCAL REGULATIONS. USE APPROPRIATE MEASURES TO KEEP AIRBORNE
DUST LEVELS CONTAINED IN ACCORDANCE WITH EXPOSURE LEVELS OF
SECTION 2.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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Handling and Storage
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Handling and Storage Precautions:NONE SPECIFIED BY MANUFACTURER.
Other Precautions:PLEASE READ & UNDERSTAND PROD LABEL INFO FOR PROPER
PROC & USE. SEE ANSI Z49.1 SAFETY IN WELDING & CUTTING & CHAPTER 11
OF THERMAL SPRAYING, PUBLISH BY THE AMERICAN WELDING SOCIETY AND
OSHA PUBLICATIO N 2206 (29 CFR 1910) FOR MORE DETAIL.

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Exposure Controls/Personal Protection
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Respiratory Protection:IF THE WORK STATION IS NOT PROPERLY VENTILATED
TO E

XHAUST ALL FUMES, VAPORS AND DUSTS BELOW THE RECOMMENDED EXPOSURE LIMITS, USE A NIOSH APPROVED RESPIRATOR.

Ventilation:USE ENOUGH GEN VENT & LOC EXHST AT WORK SITE TO KEEP ALL FUMES & DUST FROM WORK'S BRTHG ZONE & GEN AREA.

Protective Gloves:IMPERVIOUS GLOVES .

Eye Protection:ANSI APPROVED CHEM WORKERS GOGGS .

Other Protective Equipment:ANSI APPRVD EMER EYE WASH & DELUGE SHOWER .
FOR A COMPLETE LIST OF OTHER PROT EQUIP CONTACT NECH .

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

EXPLO HAZ:PROCESSES. NONFLAMM UNDER NORMAL WORKING CNDTNS. METAL POWDER DUST MAY PRESENT A FIRE/EXPLOSION HAZ UNDER FAVORABLE CNDTNS OF PARTICLE SIZE, DISPERSION, & STRONG IGNIT SOURCE. THIS IS MOST P REVALENT W/REACTIVE METAL POWDERS SUCH AS ALUMINUM. HAZ DECOMP PROD:PLUS THOSE OF THE BASE METAL & COATING. (ING 9)

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

Appearance and Odor:NONE SPECIFIED BY MANUFACTURER.

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

Stability Indicator/Materials to Avoid:NO
NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:DECOMP PRODS OF NORM OPERATION INCL THOSE ORIGINATING FROM VOLATILIZATION, RXN/OXIDATION OF MATLS IN INGREGS, (SUPDAT)

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

Waste Disposal Methods:DISPOSAL MUST BE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS .

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