

EUTECTIC CORP -- XUPERBOND -- 3439-01-074-3199

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

Product ID:XUPERBOND

MSDS Date:03/13/1993

FSC:3439

NIIN:01-074-3199

MSDS Number: BVBKR

=== Responsible Party ===

Company Name:EUTECTIC CORP

Address:40-40 172ND ST

City:FLUSHING

State:NY

ZIP:11358-2799

Country:US

Info Phone Num:718-358-4000

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:NICKEL (SARA III)

CAS:7440-02-0

RTECS #:QR5950000

Fraction by Wt: >50%

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3

Ingred Name:ALUMINUM (SARA III)

CAS:7429-90-5

RTECS #:BD0330000

Fraction by Wt: 1-5%

OSHA PEL:15MG/M3 DUST/5 FUME

ACGIH TLV:10MG/M3 DUST

Ingred Name:LEA

D ACID, LEAD (2+) SALT (1:1); (LEAD CHROMATE)

CAS:7758-97-6

RTECS #:GB2975000

Fraction by Wt: 1-5%

OSHA PEL:N/K

ACGIH TLV:N/K

Ingred Name:SUPP DATA: OF CHEMS TO MAN, VOL 49, PG 257, 1990: GRP 2B.

NTP 6TH ANNUAL REPORT ON CARCINS, 1991: ANTIC TO BE CARCIN.

RTECS #:9999999ZZ

OSHA PEL:N/K

ACGIH TLV:N/K

Ingred Name:EFTS OF OVEREXP: MAY CAUSE BRONCH ASTHMA, LUNG FIBROSIS,
PNEUMOCONIOSIS OR SIDEROSIS (IRON DEPOSITS IN LUNG). (ING 6)

RTECS #:9999999ZZ

OSHA PEL:N/K

ACGIH TLV:N/K

Ingred

Name:ING 5: METAL FUME FEVER: CAN BE CAUSED BY INHAL OF CERTAIN

METALLIC CMPDS DURING WELDING, HEATING, BRAZING, (ING 7)

RTECS #:9999999ZZ

OSHA PEL:N/K

ACGIH TLV:N/K

Ingred Name:ING 6: SOLDERING/CUTTING OPERS. SYMPS ARE SIMILAR TO
INFLUENZA TYPE SICKNESS INCL CHILLS, FEVER, HEAD & MUSCLE (ING 8)

RTECS #:9999999ZZ

OSHA PEL:N/K

ACGIH TLV:N/K

Ingred Name:ING 7: ACHE, TIGHTNESS IN CHEST, DRYNESS OF NOSE & MOUTH,
MUSCULAR PAIN, NAUS & VOMIT. SYMPS USUALLY OCCUR W/IN (ING 9)

RTECS #:

9999999ZZ

OSHA PEL:N/K

ACGIH TLV:N/K

Ingred Name:ING 8: SEVERAL HRS AFTER OVEREXP & MAY LAST 6-24 HRS.

NICKEL & NI CMPDS: SHORT TERM EFTS FROM OVEREXP TO INHAL (ING 10)

RTECS #:9999999ZZ

OSHA PEL:N/K

ACGIH TLV:N/K

Ingred Name:ING 9: OF NICKEL FUMES MAY INCL METALLIC TASTE, NAUS,
TIGHTNESS OF CHEST, FEVER/ALLERGIC RXNS. SKIN & EYE CONT (ING 11)

RTECS #:9999999ZZ

OSHA PEL:N/K

ACGIH TLV:N/K

Ingred Name:ING 10: MAY ALSO CAUSE ALLERGIC RXNS. LONG TERM OVEREXP TO
NICKEL & NICKEL C

MPDS MAY CAUSE LUNG FIBROSIS OR (ING 12)

RTECS #:9999999ZZ

OSHA PEL:N/K

ACGIH TLV:N/K

Ingred Name:ING 11: PNEUMOCONIOSIS. STUDIES OF NICKEL REFINERY WORKERS
INDICATED HIGHER INCIDENCE OF LUNG AND NASAL CANCERS.

RTECS #:9999999ZZ

OSHA PEL:N/K

ACGIH TLV:N/K

Ingred Name:OTHER PREC: Z49.1 "SAFETY IN WELDING AND CUTTING", &
CHAPTER 11 OF "THERMAL SPRAYING", PUBLISHED BY THE AMERICAN(ING 14)

RTECS #:9999999ZZ

OSHA PEL:N/K

ACGIH TLV:N/K

Ingred Name:ING 13: WELDING SOCIETY AND OSHA PUBL
ICATION 2206 (29 CFR

1910) FOR MORE DETAIL.

RTECS #:9999999ZZ

OSHA PEL:N/K

ACGIH TLV:N/K

Ingred Name:VENT: WELDER TO KEEP HIS/HER FACE AWAY FROM FUME/DUST
PLUME.

RTECS #:9999999ZZ

OSHA PEL:N/K

ACGIH TLV:N/K

Ingred Name:EYE PROT: APPROP FILTER LENS. PROVIDE PROT SCREENS & FLASH
GOGG IF NEC, TO SHIELD OTHERS.AS RULE, START W/SHADE (ING 17)

RTECS #:9999999ZZ

OSHA PEL:N/K

ACGIH TLV:N/K

Ingred Name:ING 16: THAT IS TOO DARK TO SEE WELD ZONE, THEN GO TO NEXT
LIGHTER SHADE WHICH

GIVES SUFFICIENT VIEW OF WELD ZONE.

RTECS #:9999999ZZ

OSHA PEL:N/K

ACGIH TLV:N/K

Ingred Name:ING 17:AND MAY INCL ARM PROT, APRONS, HATS AS WELL AS DARK,
PROTECTIVE CLOTHING. TRAIN WORKERS NOT TO TOUCH LIVE(ING 19)

RTECS #:9999999ZZ

OSHA PEL:N/K

ACGIH TLV:N/K

Ingred Name:ING 18: ELECTRICAL PARTS AND TO INSULATE THEMSELVES FROM
WORK AND ELECTRICAL GROUND.

RTECS #:9999999ZZ

OSHA PEL:N/K

ACGIH TLV:N/K

Ingred Name:ING 19:SUFFICIENT VIEW OF THE WELD ZONE.

RTECS #:9999999ZZ

Ingred Na

me:OTHER PROT EQUIP:SPARKS & ELECTRICAL SHOCK. ARMS
PROTECTORS, APRONS, HATS AS WELL AS DARK, PROTECTIVE CLOTHING. (ING
22)
RTECS #:9999999ZZ

Ingred Name:ING 21:TRAIN WORKERS NOT TO TOUCH LIVE ELECTRICAL PARTS AND
TO INSULATE THEMSELVES FROM WORK AND ELECTRICAL GROUND.
RTECS #:9999999ZZ

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenic

ity:NTP:YES IARC:YES OSHA:NO

Health Hazards Acute and Chronic:INHAL: FUMES ASSOC W/HEATING, WELDING,
BRAZING, SOLDERING/CUTTING METALS CAN BE DANGEROUS TO YOUR HLTH &
OVEREXP CAN CAUSE LUNG DMG &/OR OTHER ORGAN DMG. EYE/SKIN: ARC RAYS
& UV LIGHT CAN INJ EYES & BURN SKIN. LIQS USED IN FLUXES & CHEM
AIDS MAY CAUSE IRRIT/POSS CHEM BURNS. ELEC SHOCK CAN KILL.
INGEST:(EFTS OF OVEREXP)

Explanation of Carcinogenicity:LEAD CHROMATE: IARC MONOGRAPHS ON EVAL
OF CARCIN RISK OF

CHEMS TO MAN, VOL 49, PG 49, 1990: GRP 1.NTP 6TH
ANNUAL(SUPDAT)

Effects of Overexposure:HLTH HAZ: DANGER! MAY BE HARMFUL/FATAL IF
SWALLOWED.GEN WELDING FUMES: FUMES, GASES & DUSTS CAN BE DANGEROUS
TO YOUR HLTH. CERTAIN MED STUDIES HAVE SUGGESTED THAT LUNG DMG CAN
RSLT FROM OVEREXP TO THE SE FUMES. SHORT TERM OVEREXP MAY RSLT IN
DIZZ, NAUS/DRYNESS OR IRRIT OF NOSE, THROAT OR EYES. EXCESSIVE
OVEREXP (ING 5)

Medical Cond Aggravated by Exposure:AGGRAVATION OF PREEXISTING

RESPIRATORY OR ALLERGIC CONDITIONS MAY OCCUR IN SOME WORKERS.

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

First Aid:INHALATION: MOVE VICTIM TO FRESH AIR SOURCE. CONTACT PHYS AND
ADVISE ON INGS LISTED. SKIN: THORO WASH HANDS OR EFFECTED AREAS
WITH SOAP AND WATER TO REMOVE ALL RESIDUE. CONSULT PHYS. EYE: THORO
FLUSH WITH WATER FOR AT LST 15 MINS TO REMOVEALL RESIDUE. OBTAIN
PROMPT MED ADVISE FOR FLUXES AND CHEM AIDS. ADVISE PHYS OF INGS
LISTED. INGE

ST: CALL PHYS &/OR LOC POIS CNTRL CNTR. ADVISE OF INGS LISTED.

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

Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL FOAM TYPE.

Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT . TOXIC FUMES MAY BE PRODUCED.

Unusual Fire/Explosion Hazard:SOME FLUXES AND CHEMICAL AIDS MAY GIVE OFF HYDROGEN CHLORIDE, PHOSGENE AND CHLORINE GASES. CANS, UNDER PRESSURE, AND FLAMMABLES MAY EXPLODE.

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

Spill Release Procedures:USE APPROPRIATE MEASURES TO KEEP AIRBORNE DUST LEVELS CONTAINED IN ACCORDANCE WITH EXPOSURE LEVELS OF INGREDIENTS SECTION. SEE ALSO PROTECTIVE EQUIPMENT FOR SAFE HANDLING AND STORAGE.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:PLEASE READ AND UNDERSTAND PRODUCT LABEL INFORMATION F OR PROPER PROCEDURES AND USE.

Other Precautions:USE ADEQ VENT TO KEEP BELOW EXPOS LIMITS. KEEP FUMES & GASES FROM BRTHG ZONE-KEEP WELDER'S HEAD OUT OF FUMES. HNDL W/CARE AS SHOWN. WEAR PROPER EYE,EAR & BODY PROT.USE CHEM GOGG, GLOVES & FACESHLD FOR ALL FLUXES & CHEM AIDS.SEE ANSI(ING 13)

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

Respiratory Protection:IF WORK STATION IS NOT PROPERLY VENTILATED TO EXHAUST ALL FUMES, VAPORS AND DUSTS BELOW RECOMMENDED E XPOSURE LIMITS, USE NIOSH/MSHA APPROVED RESPIRATOR.

Ventilation:USE ENOUGH GEN VENT & LOC EXHST AT WORK SITE TO KEEP ALL FUMES & DUST FROM WORKER'S BRTHG ZONE & GEN AREA. TRAIN(ING 15)

Protective Gloves:WELDER'S GLOVES.

Eye Protection:WEAR HELMET/USE FACESHLD WITH (ING 16)

Other Protective Equipment:WEAR HAND, HEAD,& BODY PROT WHICH HELP PVNT INJ FROM RADIA, SPARKS & ELEC SHOCK. AT MIN, THIS INCL PROT FACESHLD(ING 18)

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supple

mental Safety and Health

HAZ DECOMP PRODS: PRDCE FLUORIDE CMPDS, METAL OXIDES, CARBON & SILICA.
GASEOUS RXN PRODS MAY INCL OZONE, CARBON MONOXIDE, CARBON DIOXIDE,
NITROGEN OXIDES, & CERTAIN INERT GASES USED AS SHIELDING GASES .
EXPLAN OF CARCIN: REPORT ON CARCINS, 1991: KNOWN TO BE CARCIN.
NICKEL: IARC MONOGRAPHS ON EVAL OF CARCIN RISK (ING 4)

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

Appearance and Odor:NONE SPECIFIED BY MANUFACTURER.

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

Stability Indicator/Materials to Avoid:YES

NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:REASONABLY EXPECTED CONSTITUENTS OF
FUME MAY INCL: COMPLEX OXIDES OF METALS LISTED IN ING SEC: FLUX
COATINGS MAY(SUPDAT)

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

Waste Disposal Methods:DISPOSE OF WASTE MATERIAL, POWDERS, GRINDING, OR
F
ILTER RESIDUES IN AN ENVIRONMENTALLY SENSITIVE MANNER IN
ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

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