

EUTECTIC CORPORATION -- EUTECTRODE 66 -- 3439-00-902-4207

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Product Identification
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Product ID:EUTECTRODE 66
MSDS Date:09/07/1995
FSC:3439
NIIN:00-902-4207
Status Code:A
MSDS Number: CKKZL
=== Responsible Party ===
Company Name:EUTECTIC CORPORATION
Address:1515 BROOK DR
City:DOWNERS GROVE
State:IL
ZIP:60515
Country:US
Info Phone Num:800-323-4845
Emergency Phone Num:800-323-4845
CAGE:5N97

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=== Contractor Identification ===
Company Name:EUTECTIC CORPORATION
Address:1515 BROOK DR
Box:City:DOWNERS GROVE
State:IL
ZIP:60515
Country:US
Phone:800-323-4845
CAGE:5N977

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Composition/Information on Ingredients
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Ingred Name:IRON
CAS:7439-89-6
RTECS #:NO4565500
OSHA PEL:15 MG/M3 (MFR)
ACGIH TLV:10 MG/M3 (MFR)

Ingred Name:FLUORSPAR
CAS:14542-23-5
OSHA PEL:2.5 AS F (MFR)
ACGIH TLV:2.5 AS F (MFR)

Ingred Name:POTASSIUM SILICATE
CAS:1312-76-1
OSHA PEL:N/K
ACGIH TLV

:N/K

Ingred Name:SILICON
CAS:7440-21-3
RTECS #:VW0400000
OSHA PEL:15 MG/M3
ACGIH TLV:10 MG/M3

Ingred Name:SODIUM SILICATE
CAS:1344-09-8

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:LITTLE OR NO HAZARDS EXIST FOR ARC
WELDING ELECTRODES AND BRAZING RODS BEFORE THEY ARE USED I

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WELDING PROCESS. INHALATION: FUMES ASSOCIATED WITH HEATING,
WELDING, BRAZING, SOLDERING, CUTTING METALS CAN BE DANGEROUS TO
HEALTH. OVEREXPOSURE CAN CAUSE LUNG DAMAGE AND/OR OTHER ORGAN
DAMAGE. EYE AND SKIN CONTACT: ARC RAYS AND ULTRAVIOLET LIGHT CAN
INJURE EYES AND BURN SKIN. LIQUIDS USED IN FLUXES AND CHEMICAL
AIDS MAY CAUSE IRRITATION OR POSSIBLE CHEMICAL BURNS. INGESTION:
DANGER! MAY BE HARMFUL OR FATAL IF SWALLOWED. MOST WELDING, EVEN
WITH PRIMITIVE VENT

ILATION, DOES NOT PRODUCE EXPOSURE INSIDE
WELDING HELMET ABOVE 5MG/M3.

Explanation of Carcinogenicity:NOT RELEVANT.

Effects of Overexposure:INHALATION: LUNG DAMAGE, OTHER ORGAN DAMAGE.
EYES AND /SKIN: ARC RAYS AND ULTRAVIOLET LIGHT CAN INJURE EYES AND
BURN SKIN. INGESTION: MAY BE HARMFUL OR FATAL. OTHERS: ELECTRIC
SHOCK CAN KILL.

Medical Cond Aggravated by Exposure:AGGRAVATION OF PREEXISTING
RESPIRATORY OR ALLERGIC CONDITIONS MAY OCCUR IN SOME WORKERS.

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=== First Aid Measures =====

First Aid:INHALATION: MOVE VICTIM TO FRESH AIR. CONTACT A PHYSICIAN AND
ADVISE OF INGREDIENTS IN PRODUCT. SKIN CONTACT: THOROUGHLY WASH
HANDS OR AFFECTED AREAS WITH SOAP AND WATER TO REMOVE ALL RESIDUE.
IF RAS H OR BURN DEVELOPS CONSULT A PHYSICIAN. EYE CONTACT:
THOROUGHLY FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES TO REMOVE
ALL RESIDUE. ADVISE PHYSICIANMD OF INGREDIENTS. INGESTION: CALL A
PHYSICIAN AND /OR LOCAL POISON

CONTROL CENTER. ADVISE OF
INGREDIENTS.

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

Extinguishing Media:GENERALLY NONFLAMMABLE; WELDING ARC, SPARKS, AND
FLAMES CAN IGNITE COMBUSTIBLES AND FLAMMABLES. USE CARBON DIOXIDE,
DRY CHEMICAL FOAM TYPE MEDIA.

Fire Fighting Procedures:REFER TO ANSI Z49.1 FOR FIRE PREVENTION DURING
THE USE OF WELDING AND ALLIED PROCESSES. TOXIC FUMES MAY BE
PRODUCED-USE AN APPROVED SELF CONTAINED BREATHING APPARATUS AND
FUL

L PROTECTIVE EQUIPMENT

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.

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

Spill Release Procedures:NONE SPECIFIED BY MANUFACTURER.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:READ PRODUCT LABEL FOR PROPER

PROCEDURES AND USE. USE ADEQUATE VENTILATION TO KEEP BELOW EXPOSURE
LIMITS. KEEP WELDER'S HEAD OUT OF FUMES. REFER TO ANSI Z49.1"SAFETY
IN WELDING AND CUTTING" AND CHAPTE R 11 OF "THERMAL SPRAYING",BY
AMERICAN WELDING SOCIETY AND OSHA PUBLICATION 2206 (29 CFR 1910).

Other Precautions:KEEP FUMES AND GASES FROM BREATHING ZONE-KEEP
WELDER'S HEAD OUT OF FUMES. WEAR PROPER EYE, EAR AND BODY
PROTECTION. TRAIN WORKER NOT TO TOUCH LIVE ELECTRIC PARTS AND TO
INS

ULATE SELF FROM WORK AND EL ECTRIC GROUND.

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

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

Ventilation:USE ENOUGH GENERAL VENTILATION AND LOCAL EXHAUST AT WORK
SITE TO KEEP ALL FUMES AND DUST FROM WORKER'S BREATHING ZONE AND
GENERAL AREA.

Protective Gloves:WELDER'S GLOVES.

Eye Protection:

WEAR HELMET OR USE FACE SHIELD WITH APPROPRIATE FILTER LENS.

Other Protective Equipment:WEAR HAND, HEAD, AND BODY PROTECTION WHICH HELP PREVENT INJURY FROM RADIATION, SPARKS,AND ELECTRIC SHOCK, INCLUDING ARM PROTECTORS, APRONS, HATS AS WELL AS DARK, PROTECTIVE CLOTHING.

Work Hygienic Practices:TRAIN WORKERS NOT TO TOUCH LIVE ELECTRICAL PARTS AND TO INSULATE THEMSELVES FROM WORK AND ELECTRICAL GROUND.

Supplemental Safety and Health
PROVIDE PROTECTIVE SCREENS AND FLASH GOGGLES IF NECESSARY, TO SHIELD

OTHERS. AS A RULE, START WITH A SHADE THAT IS TOO DARK TO SEE THE WELD ZONE, THEN GO TO THE NEXT LIGHTER SHADE WHICH GIVES SUFFICIENT VIEW OF THE WELD ZONE.

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

HCC:N1

Evaporation Rate & Reference:NOT KNOWN

Solubility in Water:NOT KNOWN

Appearance and Odor:NONE SPECIFIED BY MANUFACTURER.

===== 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:WELDING ELECTRODES, BRAZING ALLOYS, AND SOLDER SOLIDS AS SHIPPED ARE STABLE, NONFLAMMABLE, NONEXPLOSIVE, AND IN MOST CASES NONREACTIVE. CERTAIN FLUXES AND CHEMICAL AIDS MAY BE REACTIVE.

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

Waste Disposal Methods:DISPOSE OF WASTE MATERIAL, POWDERS, GRINDING, FILLER RESIDUES 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.

===== Other Information =====

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