

EUTECTIC CORP -- ELECTRODE 27 -- 3439-00-027-0843

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Product Identification
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Product ID:ELECTRODE 27

MSDS Date:11/30/1990

FSC:3439

NIIN:00-027-0843

MSDS Number: BHYGM

=== Responsible Party ===

Company Name:EUTECTIC CORP

Address:40-40 172ND ST

City:FLUSHING

State:NY

ZIP:11358-9981

Country:US

Info Phone Num:718-358-4000

Emergency Phone Num:718-358-4000

CAGE:72271

=== Contractor Identificati

on ===

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

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Composition/Information on Ingredients
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Ingred Name:IRON

CAS:7439-89-6

RTECS #:NO4565500

Other REC Limits:NONE SPECIFIED

OSHA PEL:5 MG/M3 (MFR)

Ingred Name:STRONTIUM CARBONATE

CAS:1633-05-2

Other REC Limits:NONE SPECIFIED

Ingred Name:BARIUM CARBONATE

CAS:513-77-9

RTECS #:CQ8600000

Other REC Limits:NONE SP

ECIFIED

Ingred Name:CALCIUM CARBONATE (MARBLE) (LIMESTONE)

CAS:1317-65-3

RTECS #:EV9580000

Other REC Limits:NONE SPECIFIED

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9192

Ingred Name:CALCIUM FLUORIDE

CAS:7789-75-5

RTECS #:EW1760000

Other REC Limits:NONE SPECIFIED

OSHA PEL:2.5 MG/M3 (F)

ACGIH TLV:2.5 MG/M3 (F); 8990

Ingred Name:MANGANESE (SARA III)

CAS:7439-96-5

RTECS #:OO9275000

Other REC Limits:NONE SPECIFIED

OSHA PEL:(C) 5 MG/M3 DUST

ACGIH TLV:5 MG/M3 DUST 9293

Ingred Name:SODIUM S

ILICATE

CAS:1344-09-8

Other REC Limits:NONE SPECIFIED

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

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

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

Health Hazards Acute and Chronic:ACUTE-EXPOSURE TO WELDING FUMES MAY

CAUSE DRYNESS & IRRITATION OF EYES,SKIN,NOSE &

THROAT.INHALATION:NAUSEA,DIZZINESS & LUNG DAMAGE.ARC RAYS CAN

INJURE EYES & BURN SKIN.

Effects of Overexposure:EXPOSURE TO WELDING FUMES M

AY RESULT IN

DISCOMFORT SUCH AS DIZZINESS, NAUSEA, FEVER, DRYNESS AND/OR

IRRITATION OF NOSE, THROAT AND EYES.

Medical Cond Aggravated by Exposure:SOME WORKERS MAY BE AFFECTED BY A

PRE-EXISTING CONDITION OR OTHER OCCUPATIONAL ILLNESS BECAUSE OF THE

WIDE VARIATION IN INDIVIDUAL SUSCEPTIBILITIES.

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

First Aid:INHALATION:REMOVE TO FRESH AIR.CALL A PHYSICIAN.IF ELECTRICAL

SHOCK:TURN OFF POWER.ADMINISTER FIRST AID.

REMOVE FROM EXPOSURE AREA
AND CALL FOR MEDICAL AID.GIVE OXYGEN/CPR IF NEEDED.IF NO DETECTABLE
PU LSE,BEGIN EXTERNAL HEART MASSAGE.EMPLOYFIRST AID TECHNIQUES
RECOMMENDED BY THE AMERICAN RED CROSS.

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

Flash Point:NONE
Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY
CHEMICAL TO PUT OFF THE SURROUNDING FIRE.
Fire Fighting Procedures:NONE
Unusual Fire/Explosion Hazard:WELDING ARC AND SPARKS CAN IGNITE
COMBUSTIBLES AND FLAMMABLES.

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

Spill Release Procedures:NOT RELEVANT

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

Handling and Storage Precautions:WEAR GLOVES AND FLAME RETARDANT
CLOTHING WHEN CUTTING, GRINDING OR WELDING. DO NOT EXPOSE SKIN TO
RADIATION WHEN HOT CUTTING OR WELDING.
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 WELDING IN A CONFINED SPACE OR
WHERE LOCAL EXHAUST OR GENERAL VENTILATION DOES NOT KEEP EXPOSURE
BELOW RECOMMENDED LIMITS. USE ONLY NIOSH APPROVED RESPIRATORS.

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

Protective Gloves:WELDERS LEATHER GLOVES

Eye Protection:WEAR HELMET/FACE SHIELD WITH FILTER LENS

Other Protective Equipment:FLAME RETARDANT CLOTHING WHEN CUTTING,
GRINDING OR WELDING. DO NOT EXPOSE SKIN TO RADIATION.AVOID ELECTRIC
SHOCKS.

Work Hygienic Practices:WASH HANDS THOROUGHLY BEFORE EATING OR
DRINKING.

Supplemental Safety and Health
WELDING AND

HOT CUTTING 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 MAY DECOMPOSE TO TOXIC GASES.

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

HCC:N1
Solubility in Water:INSOLUBLE
Appearance and Odor:WELDING ROD.

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

Stability Indicator/Materials to Avoid:YES
STRONG ACIDS
Stability Condition to Avoid:SPARKS AND OPEN FLAMES
Hazardous Decomposition Products:FLUORIDES,COMPLEX OXIDES OF IRON,MANGANESE,SILICON,CHROMIUM,CO,CO2,OZONE AND NITROGEN OXIDE.

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

Waste Disposal Methods:DISPOSE I/A/W FEDERAL, STATE & LOCAL REGULATIONS

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