

## **EUTECTRODE 1851**

### **MSDS Number**

BHBBW

### **National Stock Number**

3439-00-902-4211

### **Product Name**

EUTECTRODE 1851

### **Manufacturer**

EUTECTIC CORP

### **Product Identification**

Product ID:EUTECTRODE 1851

MSDS Date:05/01/1986

FSC:3439

NIIN:00-902-4211

MSDS Number: BHBBW

### **Responsible Party**

EUTECTIC CORPORATION

40-40 172ND STREET

FLUSHING , NY 11358

Emergency Phone: (718) 358-4000

Info Phone: (718) 358-4000

Cage: EO060

### **Contractor**

EUTECTIC CORPORATION

CHARLOTTE, NC 28273

US

704-527-9800/ 800-221-1433

Cage: EO060

### **Ingredients**

COPPER (SARA III)

CAS: 7440-50-8

RTECS: GL5325000

OSHA PEL0.1MG/M3 FUME/1 DUST

ACGIH TLV: 0.2MG/M3 FUME; 9192

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

ALUMINUM SODIUM FLUORIDE (SODIUM FLUOALUMINATE OR CRYOLITE)

CAS: 15096-52-3

RTECS: WA9625000

OSHA PEL2.5 MG/M3 (F)

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

## ALUMINUM (SARA III)

CAS: 7429-90-5

RTECS: BD0330000

OSHA PEL15MG/M3 DUST/5 FUME

ACGIH TLV: 10MG/M3 DUST; 9192

## SILICATE BINDERS (SODIUM SILICATE)

CAS: 1344-09-8

ACGIH TLV: 10 MG/CUM

## Hazards

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:YES  
Health Hazards Acute and Chronic:IRRITATION OF THE RESPIRATORY SYSTEM,  
NOSE, THROAT/EYES, DAMAGE TO THE LUNGS/ASTHAM,  
DISCOMFORT/DIZZINESS/NAUSEA/DRYNESS/SKIN & EYE BURNS, PULMONARY  
EDEMA BRONCHITIS/METALLIC TASTE/TIGHTNESS IN CHEST/  
FEVER/RHINITIS/HEADACHE. INGESTION: SEVERE INJURY OR DEATH. SKIN:  
CAN FORM ULCERS.  
Explanation of Carcinogenicity:STUDIES HAVE SHOWN THAT WORKERS EXPOSED  
TO CERTAIN CHROMIUM (VI) COMPOUNDS HAVE AN EXCESS OF LUNG CANCER.  
Effects of Overexposure:INHALATION: MAY AFFECT CENTRAL NERVOUS  
SYSTEM/MUSCULAR WEAKNESS/TREMORS/PNEUMOCONIOSIS/PULMONARY  
EDEMA/LUNG FIBROSIS/NERVOUS DISORDERS/BREATHING  
DIFFICULT/COUGH/FEVER/CIRCULATORY SYSTEM/MUSCULATURE/SK IN, EYES &  
RESPIRATORY TRACT. ARC RAYS CAN INJURE EYES/BURN SKIN/SYSTEMIC  
POISONING AFFECTING KIDNEYS & LIVER.  
Medical Cond Aggravated by Exposure:ALLGERGIC SKIN REACTION, ULCER.  
NERVOUS DISORDER/MAY HAVE DELETERIOUS EFFECTS ON THE  
HEART/CIRCULATORY SYSTEM/MUSCULATURE. MAY LEAD TO SIDEROSIS (IRON  
DEPOSITS IN LUNGS)/MAY AFFECT PULMONARY FUNCTIONS

## First Aid

First Aid:INHALATION: REMOVE FROM OVEREXPOSURE/APPLY ARTIFICIAL  
RESPIRATION, IF NEEDED. EYE/SKIN: WASH WITH SOAP & WATER, ALLERGIC  
REACTIONS LIKELY IN ABOUT 10% OF WORKERS. CALL MEDICAL HELP.

## Fire Fighting

Flash Point:NONFLAMMABLE  
Unusual Fire/Explosion Hazard:NON FLAMMABLE. WELDING ARC & BRAZING  
FLAMES CAN IGNITE COMBUSTIBLES/FLAMMABLES.

## Handling

Handling and Storage Precautions:ONE RECOMMENDED WAY TO DETERMINE THE  
COMPOSITION/QTY OF FUMES/GASES TO WHICH WORKERS ARE EXPOSED IS TO  
TAKE AN AIR SAMPLE INSIDE WELDERS, IF WORN.  
Other Precautions:TRAIN THE WORKER NOT TO TOUCH LIVE ELECTRICAL PARTS &  
TO INSULATE HIMSELF FROM WORK & GROUND. TRAIN THE WORKER TO KEEP  
HIS HEAD OUT OF THE FUMES.

## Exposure Controls

Respiratory Protection:USE NIOSH APPROVED RESPIRABLE FUME AIR SUPPLIED  
RESPIRATOR WHEN WORKING IN CONFINED SPACE.  
Ventilation:USE ENOUGH LOCAL EXHAUST/MECHANICAL VENTILATION AT THE ARC  
TO KEEP Protective Gloves:WELDER'S  
Eye Protection:FACESHIELD W/FILTER LENS  
Other Protective Equipment:ARM PROTECTORS, APRONS, HATS, SHOULDER  
PROTECTION. PROVIDE PROTECTIVE SCREENS/FLASH GOGGLES.  
Work Hygienic Practices:GOOD PRACTICE REQUIRES THE REDUCTION OF  
EMPLOYEE EXPOSURE TO CHROMIUM (VI).  
Supplemental Safety and Health

---

## Chemical Properties

Appearance and Odor:ARC WELDING ELECTRODES & BRAZING RODS. FLUXES & CHEMICAL AIDS.

## Stability

Stability Indicator/Materials to Avoid:YES  
FLUORIDES, COMPLEX OXIDES OF IRON, MANGANESE, SILICON, CHROMIUM,  
NICKEL, MOLYBDENUM, COPPER, & OTHER METAL.  
Hazardous Decomposition Products:CO, CO<sub>2</sub>, OZONE & NITROGEN OXIDES,  
FUMES & GASES.

## Disposal

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSABLE CONTAINER OR LINER IN AN ENVIRONMENTALLY ACCEPTABLE MANNER, IN FULL COMPLIANCE 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.