

BROOKTRONICS ENGINEERING CORP -- BEC 334 COPPER ALKALINE, HIGH BUILD --
6850-01-266-6621

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

Product ID: BEC 334 COPPER ALKALINE, HIGH BUILD
MSDS Date: 02/14/1996
FSC: 6850
NIIN: 01-266-6621
MSDS Number: CJLTD
=== Responsible Party ===
Company Name: BROOKTRONICS ENGINEERING CORP
Address: 28231 AVE CROCKER
City: VALENCIA
State: CA
ZIP: 91355
Country: US
Info Phone Num: 805-294-1195
Emergency Phone Num: 805-294-1195
Resp. Party Other MSDS Num.: CODE: 334-01
Chemtrec Ind/Phone: (800)424-9300
CAGE: 21468

=== Contractor Identification ===
Company Name: BROOKTRONICS ENGINEERING CORP
Address: 28231 AVE CROCKER
Box: City: VALENCIA
State: CA
ZIP: 91355
Country: US
Phone: 805-294-1195
Contract Num: SP0450-99-M-NE59
CAGE: 21468

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===== Composition/Information on Ingredients =====

Ingred Name: NON-HAZARDOUS MATERIALS
Fraction by Wt: BALANCE
Other REC Limits: NONE RECOMMENDED

Ingred Name:COPPER COMPOUNDS (SARA 313) (CERCLA)

CAS:7440-50-8

RTECS #:GL5325000

Minumum % Wt:20.

Maxumum % Wt:25.

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:DIETHYLENETRIAMINE

CAS:111-40-0

RTECS #:IE1225000

Minumum % Wt:8.

Maxumum % Wt:15.

Other REC Limits:NONE RECOMMENDED

OSHA PEL:4 MG/M3

ACGIH TLV:4 MG/M3

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

Routes of Entry: Inhalation:NO Skin:YE

S Ingestion:NO

Health Hazards Acute and Chronic:TARGET ORGANS: EYES, SKIN, RESPIRATORY SYSTEM, LIVER, KIDNEYS (HMIS). EYES: IRRITATION OF MUCOUS MEMBRANES AND SENSITIVE TISSUE. SKIN: MINOR IRRITATION OF SKIN. INHALATION: IRRITATION OF MUCOUS MEMBRANES. INGESTION: IRRITATION OF DIGESTIVE TRACT, NAUSEA, VOMITING.

Explanation of Carcinogenicity:N/R. NOT LISTED BY NTP, IARC, OSHA, ACGIH (HMIS).

Effects of Overexposure:EYES: IRRITATION OF MUCOUS MEMBRANES AND SENSITIVE TI

SSUE. SKIN: MINOR IRRITATION OF SKIN. INHALATION: IRRITATION OF MUCOUS MEMBRANES. INGESTION: IRRITATION OF DIGESTIVE TRACT, NAUSEA, VOMITING.

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

First Aid:ON SKIN: THOROUGHLY WASH EXPOSED AREA WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING, LAUNDRER BEFORE RE-USE. IN EYES: FLUSH WITH LARGE AMOUNT OF WATER, LIFTING UPPER AND LOWER LIDS OCCASIONALLY. INGESTION: IMMEDIATELY DRINK LARGE AMOUNT OF WATER

OR FLUIDS TO DILUTE SOLUTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. INHALATION: REMOVE TO FRESH AIR.

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Fire Fighting Measures
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Flash Point:NON-FLAMMABLE

Extinguishing Media:ALL TYPES.

Fire Fighting Procedures:NONE PROVIDED BY MFR.

Unusual Fire/Explosion Hazard:THIS SOLUTION IS NOT A FIRE OR EXPLOSIVE HAZARD. HOWEVER, HAZARDOUS EMISSIONS ARE POSSIBLE IN A FIRE SITUATION.

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Accidental Release Measures
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Spill Release Procedures:SMALL SPILL: USE ABSORBENT AND SWEEP UP FOR DISPOSAL OR RECOVERY. LARGE SPILL: VACUUM SOLUTION OR USE ABSORBENT AND SWEEP UP MATERIAL. PLACE THIS MATERIAL IN A CONTAINER FOR DISPOSAL.

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Handling and Storage
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Handling and Storage Precautions:STORE UNDER A CONTROLLED TEMPERATURE RANGE OF 40-120F. NO SPECIAL HANDLING REQUIRED.

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Exposure Controls/Personal Protection
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Respiratory Protection:IF NEEDED USE A NIOSH/MSHA APPROVED RESPIRATOR FOR INORGANIC MISTS.

Ventilation:GENERAL AND/OR LOCAL IS SUFFICIENT.

Protective Gloves:ACID/CHEMICAL RESISTANT RUBBER GLOVES.

Eye Protection:CHEMICAL SPLASH GOGGLES ARE THE BEST.

Other Protective Equipment:CHEMICAL RESISTANT APRON.

Work Hygienic Practices:NONE PROVIDED BY MFR.

Supplemental Safety and Health

NONE

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Physical/Chemical Properties
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HCC:B3

Spec Gravity:> 1.0

Solubility in

Water:100%

Appearance and Odor:ROYAL BLUE TO PURPLE, HAS A SLIGHT MUSTY SMELL.

Percent Volatiles by Volume:8 TO 15

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING ACIDS.

Hazardous Decomposition Products:NONE PROVIDED BY MFR. MAY FORM CARBON MONOXIDE, CARBON DIOXIDE, NITROGEN OXIDES AND COPPER OXIDES (HMIS)

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

Waste Disposal Methods:DISPOSE OF THIS PRODUCT IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.

===== Regulatory Information =====

SARA Title III Information:THIS PRODUCT DOES NOT CONTAIN A TOXIC CHEMICAL (OR CHEMICALS) SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPER FUND.

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

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