BARKER MICROFARADS

ISO 9001 CERTIFIED

DATE PREPARED: August 1, 1992	REVISED: 1/25/01
SECTION I	
MANUFACTURER'S NAME Barker Microfarads	**EMERGENCY TELEPHONE NUMBER** 276-728-9121
ADDRESS (Number, Street, City, State, and Zip) P.O. Box 697 205 Mill Street Hillsville, VA 24343	**CHEMICAL NAME AND SYNONYMS**
	TRADE AND SYNONYMS A-99
	CHEMICAL FAMILY Electrolyte **FORMULA**

SECTION II—HAZARDOUS INGREDIENTS

Paints, Preservatives, & Solvents	%	TLV(units	Alloys and Metallic Coatings	%	TLV (units)
Pigments			Base Metal		
Catalyst			Alloys		
Vehicle			Metallic Coatings		
Solvents			Filler Metal Plus Coating or Core Flux		
Additives			Others		
Others					

Hazardous Mixtures of Other Liquids, Solids, or Gases	%	TLV (units)
Ethylene Glycol		50ppm
Inorganic Salt of Boric Acid		N/A

SECTION III—PHYSICAL DATA

BOILING POINT (F°)	268-273	SPECIFIC GRAVITY g/cm^3 (H_2O=1.00)	1.24
VAPOR PRESSURE (mm Hg)	N/A	PERCENT VOLATILE BY VOLUME (%)	N/A
VAPOR DENSITY (Air=1)	N/A	EVAPORATION RATE	<<1

SOLUBILITY IN WATER
Completely Soluble

APPEARANCE AND ODOR
Clear and colorless liquid with mild odor.

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SECTION IV—FIRE			
FLASH POINT (METHOD USED) (Closed Cup; ASTM D-56) >212°F	**FLAMMABLE LIMITS**	**LEL** N/A	**UEL** N/A
EXTINGUISHING MEDIA Alcohol foam, water, water foam, carbon dioxide, dry chemical, carbon tetrachloride.			
SPECIAL FIRE FIGHTING PROCEDURES Do not spray pool fires directly with a solid stream of water or foam, as this can cause frothing. Use self-contained breathing apparatus & protective clothing.			
UNUSUAL FIRE AND EXPLOSION HAZARDS None			
SECTION V—HEALTH HAZARD DATA			
THRESHOLD LIMIT VALUE For vapor and mist combined, based on ethylene glycol: 50ppm ceiling (ACG1H 1984-85)			
EFFECTS OF OVEREXPOSURE See attached sheet			
EMERGENCY FIRST AID PROCEDURES See attached sheet.			
SECTION VI—REACTIVITY DATA			

STABILITY	**UNSTABLE**	☐	**CONDITIONS TO AVOID:**
	STABLE	☒	

INCOMPATIBILITY (MATERIALS TO AVOID) Normally unreactive; however, avoid strong bases at high temperatures, strong acids, strong oxidizing agents and materials reactive with hydroxyl compounds.			
HAZARDOUS DECOMPOSITION PRODUCTS Burning may produce carbon carbon monoxide and/or carbon dioxide.			
HAZARDOUS	**MAY OCCUR**	☐	**CONDITIONS TO AVOID:**
	WILL NOT OCCUR	☒	

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SECTION VII—SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Wear suitable protective equipment. Small spills should be flushed with large quantities of water. Larger spills should be collected for disposal.

WASTE DISPOSAL METHOD
Incinerate in a furnace where permitted under appropriate Federal, State, or local regulations. Contaminated absorbant may be deposited in a landfill in accordance with local, State, and Federal regulations.

SECTION VIII—SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE)
If TLV is exceeded, wear NIOSH approved breathing air equipment or NIOSH approved face mask with organic vapor cartridge & dust or mist pre-filter.

VENTILATION	**LOCAL EXHAUST** Local exhaust is advisable for elevated temperature use.	**SPECIAL**
	MECHANICAL (GENERAL) General exhaust is useful.	**OTHER**

PROTECTIVE GLOVES Rubber or polyvinyl chloride coated.	**EYE PROTECTION** Monogoggles/Face Shield.

OTHER PROTECTIVE EQUIPMENT
Eye bath and safety shower should be available nearby.

SECTION IX—SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid) all hazard precautions given in this data sheet must be observed.

OTHER PRECAUTIONS
May be irritating to skin & mucous membranes. Keep away from open flame.

Effects of Overexposure

Ingestion: May cause discomfort or pain, dizziness, malaise, lumbar pain, oliguria, uremia, central nervous system depression, persistent vomiting and diarrhea followed by profound shock and coma. Severe kidney damage follows swallowing large amounts.

Inhalation: May cause irritation of the nose and throat with headache, particularly from mists. High vapor concentrations may cause nausea, vomiting, headache, and dizziness.

Eye Contact: May cause discomfort in the eye with transient conjunctivitis. Serious corneal injury is not anticipated.

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Emergency First Aid Procedures:

Ingestion: If conscious, give two glasses of water and induce vomiting. Call a physician immediately.

Skin: Remove contaminated clothing and flush skin with water.

Inhalation: Remove to fresh air. Call a physician if discomfort persists.

Eyes: Immediately flush with water, and continue washing the eyes for several minutes.

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