

<b>DATE PREPARED:</b> August 1, 1992		<b>REVISED:</b> 1/25/01			
<b>SECTION I</b>					
<b>MANUFACTURER'S NAME</b> Barker Microfarads, Inc.		<b>EMERGENCY TELEPHONE NUMBER</b> 276-728-9121			
<b>ADDRESS (Number, Street, City, State, and Zip)</b> P.O. Box 697 205 Mill Street Hillsville, VA 24343		<b>CHEMICAL NAME AND SYNONYMS</b>			
		<b>TRADE AND SYNONYMS</b> A-99			
		<b>CHEMICAL FAMILY</b> Electrolyte <b>FORMULA</b>			
<b>SECTION II—HAZARDOUS INGREDIENTS</b>					
<b>Paints, Preservatives, &amp; Solvents</b>	<b>%</b>	<b>TLV(units)</b>	<b>Alloys and Metallic Coatings</b>	<b>%</b>	<b>TLV (units)</b>
<b>Pigments</b>			<b>Base Metal</b>		
<b>Catalyst</b>			<b>Alloys</b>		
<b>Vehicle</b>			<b>Metallic Coatings</b>		
<b>Solvents</b>			<b>Filler Metal Plus Coating or Core Flux</b>		
<b>Additives</b>			<b>Others</b>		
<b>Others</b>					
<b>Hazardous Mixtures of Other Liquids, Solids, or Gases</b>				<b>%</b>	<b>TLV (units)</b>
Ethylene Glycol					50ppm
Inorganic Salt of Boric Acid					N/A
<b>SECTION III—PHYSICAL DATA</b>					
<b>BOILING POINT (F°)</b>	268-273	<b>SPECIFIC GRAVITY g/cm<sup>3</sup> (H<sub>2</sub>O=1.00)</b>		1.24	
<b>VAPOR PRESSURE (mm Hg)</b>	N/A	<b>PERCENT VOLATILE BY VOLUME (%)</b>			N/A
<b>VAPOR DENSITY (Air=1)</b>	N/A	<b>EVAPORATION RATE</b>			<<1
<b>SOLUBILITY IN WATER</b> Completely Soluble					
<b>APPEARANCE AND ODOR</b> Clear and colorless liquid with mild odor.					

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<b>SECTION IV—FIRE</b>			
<b>FLASH POINT (METHOD USED)</b> (Closed Cup; ASTM D-56) >212°F	<b>FLAMMABLE LIMITS</b>	<b>LEL</b> N/A	<b>UEL</b> N/A
<b>EXTINGUISHING MEDIA</b> Alcohol foam, water, water foam, carbon dioxide, dry chemical, carbon tetrachloride.			
<b>SPECIAL FIRE FIGHTING PROCEDURES</b> 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.			
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS</b> None			
<b>SECTION V—HEALTH HAZARD DATA</b>			
<b>THRESHOLD LIMIT VALUE</b> For vapor and mist combined, based on ethylene glycol: 50ppm ceiling (ACGIH 1984-85)			
<b>EFFECTS OF OVEREXPOSURE</b> See attached sheet			
<b>EMERGENCY FIRST AID PROCEDURES</b> See attached sheet.			
<b>SECTION VI—REACTIVITY DATA</b>			
<b>STABILITY</b>	<b>UNSTABLE</b>	<input type="checkbox"/>	<b>CONDITIONS TO AVOID:</b>
	<b>STABLE</b>	<input checked="" type="checkbox"/>	
<b>INCOMPATIBILITY (MATERIALS TO AVOID)</b> Normally unreactive; however, avoid strong bases at high temperatures, strong acids, strong oxidizing agents and materials reactive with hydroxyl compounds.			
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b> Burning may produce carbon carbon monoxide and/or carbon dioxide.			
<b>HAZARDOUS</b>	<b>MAY OCCUR</b>	<input type="checkbox"/>	<b>CONDITIONS TO AVOID:</b>
	<b>WILL NOT OCCUR</b>	<input checked="" type="checkbox"/>	

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<b>SECTION VII—SPILL OR LEAK PROCEDURES</b>		
<b>STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED</b> Wear suitable protective equipment. Small spills should be flushed with large quantities of water. Larger spills should be collected for disposal.		
<b>WASTE DISPOSAL METHOD</b> 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.		
<b>SECTION VIII—SPECIAL PROTECTION INFORMATION</b>		
<b>RESPIRATORY PROTECTION (SPECIFY TYPE)</b> If TLV is exceeded, wear NIOSH approved breathing air equipment or NIOSH approved face mask with organic vapor cartridge & dust or mist pre-filter.		
<b>VENTILATION</b>	<b>LOCAL EXHAUST</b> Local exhaust is advisable for elevated temperature use.	<b>SPECIAL</b>
	<b>MECHANICAL (GENERAL)</b> General exhaust is useful.	<b>OTHER</b>
<b>PROTECTIVE GLOVES</b> Rubber or polyvinyl chloride coated.	<b>EYE PROTECTION</b> Monogoggles/Face Shield.	
<b>OTHER PROTECTIVE EQUIPMENT</b> Eye bath and safety shower should be available nearby.		
<b>SECTION IX—SPECIAL PRECAUTIONS</b>		
<b>PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING</b> 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.		
<b>OTHER PRECAUTIONS</b> 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		

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anticipated.

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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