

**Material Safety Data Sheet**

May be used to comply with OSHA's  
Hazard Communication Standard 29 CFR 1910.1200.  
Standard must be consulted for specific requirements.

**U.S. Department of Labor**

Occupational Safety and Health Administration  
(Non-Mandatory Form) Form Approved  
OMB No. 1218-0072

**Identity** (As used on label and list)**AC-51**

Note: Blank spaces are not permitted.

If any item is not applicable, or no information is  
available, the space must be marked to indicate that.

**Section I**

<b>Manufacturer's Name</b>	<b>Emergency Telephone Number</b>
Alupower, Inc.	(800) 255-3924
<b>Address (Number, Street, City, State and Zip Code)</b>	<b>Telephone Number for Information</b>
82 Mechanic Street Pawcatuck, CT 06379	(860) 599-1100
<b>Date Prepared:</b>	<b>Signature of Preparer: (optional)</b>
4/23/1998	

**Section II - Hazardous Ingredients/Identity Information**

Hazardous Components (Specific Chemical Identity; Common Name(s))

	OSHA PEL		ACGIH TLV		Other Limits	
	mg/m <sup>3</sup>	%	mg/m <sup>3</sup>	%	Recommended	% (optional)
Carbon Black	3.5		3.5			

(Under normal conditions of use, cathode material does not expose the user to toxic fumes or  
hazardous by-products)

This product does not contain EPCRA Section 313 chemicals.

**Section III - Physical/Chemical Characteristics**

<b>Boiling Point</b>	N/A	<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	N/A
<b>Vapor Pressure (mm Hg)</b>	N/A	<b>Melting Point</b>	N/A
<b>Vapor Density (AIR = 1)</b>	N/A	<b>Evaporation Rate (Butyl Acetate = 1)</b>	N/A
<b>Solubility in Water</b>	N/A		
<b>Appearance and Odor</b>	No Odor		

**Section IV - Fire and Explosion Hazard**

<b>Flash Point (Method Used)</b>	<b>Flammable Limits</b>	<b>LEL</b>	<b>UEL</b>
N/A	N/A	N/A	N/A
<b>Extinguishing Media</b>			
Dry Chemical Extinguisher, CO <sub>2</sub>			
<b>Special Fire Fighting Procedures</b>			
Avoid breathing fumes, wear self-contained breathing apparatus. Move exposed material from fire area if it can be done without risk.			
<b>Unusual Fire and Explosion Hazards</b>			
N/A			

**Section V - Reactivity Data**

Stability Normally Stable	Unstable Stable	N/A Yes	Conditions to Avoid Keep away from fire
Incompatibility (Materials to Avoid)			

**Hazardous Decomposition or Byproducts**

Hazardous Polymerization	May Occur	N/A	Conditions to Avoid
	Will Not Occur	N/A	N/A

**Section VI - Health Hazard Data**

			NFPA/HMTS	H	F	R
Route(s) of Entry:	Inhalation?	Skin	Ingestion?	2	1	1
		X	X			

**Health Hazards (Acute and Chronic)**

No hazards associated with handling under normal conditions. Gastrointestinal effects by ingestion.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
	NO	NO	NO

**Signs and Symptoms of Exposure**

Skin & Eye irritation

Inhalation hazard if exposed to fumes of burning material

**Medical Conditions**

Generally Aggravated by Exposure N/A

**Emergency and First Aid Procedures**

No First Aid procedures required. In case of contact, flush eyes with water, wash skin with soap and water.

See a Doctor if discomfort or irritation is experienced.

**Section VII - Precautions for Safe Handling and Use****Steps to be Taken in Case Material is Released or Spilled**

N/A

**Waste Disposal Method**

Dispose of material in accordance with local, state and federal regulations.

**Precautions to be Taken in Handling and Storage**

Avoid Exposure to Fire

**Other Precautions****Section VIII - Control Measures****Respiratory Protection (Specific Type)**

N/A

Ventilation	Local Exhaust	Special
	Mechanical (General) Per ACGIH Handbook Recommendation	Other

**Protective Gloves**

Gloves

**Eye Protection**

Safety Glasses

**Other Protective Clothing or Equipment**

N/A

**Work Hygienic Practices**

Wash thoroughly after working with material.