

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

Manufacturer's Name	Emergency Telephone Number
Alupower, Inc.	(800) 255-3924
Address (Number, Street, City, State and Zip Code)	Telephone Number for Information
2000 South County Trail East Greenwich, RI 02818-1530	401-471-6580
Date Prepared:	Signature of Preparer: (optional)
2/17/2014	

Section II - Hazardous Ingredients/Identity Information

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

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

(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

Boiling Point	N/A	Specific Gravity (H₂O = 1)	N/A
Vapor Pressure (mm Hg)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water	N/A		
Appearance and Odor	No Odor		

Section IV - Fire and Explosion Hazard

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

Section V - Reactivity Data

Stability Normally Stable	Unstable Stable	N/A Yes	Conditions to Avoid Keep away from fire
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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.