



# ACR ELECTRONICS, INC.

## Material Safety Data Sheet

### Section 1 Product and Company Identification

MSDS No. 008 L-12(A) WATER ACTIVATED EXTERIOR RAFT LIGHT & BATTERY

PRODUCT NUMBERS: 1050, 1051, 3770.xxxx

REVISION DATE: 02-13-2006 Revision: E

Manufacturer: ACR Electronics, Inc. 5757 Ravenswood Rd., Ft. Lauderdale, FL. 33312 USA

PHONE:(954)-981-3333 FAX: (954)-961-4403 INTERNET: [www.acrelectronics.com](http://www.acrelectronics.com)

E-MAIL: [msds@acrelectronics.com](mailto:msds@acrelectronics.com)

Hours of Operation: 9am to 5pm Monday through Friday Eastern Standard Time

EMERGENCY 24 HOUR TELEPHONE NUMBER: CHEM-TEL, INC, (800) 255-3924

### Section 2 Composition / Ingredient Information

Ingredient Name	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH
Ingredient	TWA	STEL	TWA	STEL	TWA	STEL	IDLH
CUPROUS IODIDE	1.0 mg/m <sup>3</sup>		1.0 mg/m <sup>3</sup>				
SULFUR	15 mg/m <sup>3</sup>		10 mg/m <sup>3</sup>				
CARBON	3.5 mg/m <sup>3</sup>		3.5 mg/m <sup>3</sup>				
MAGNESIUM	N/A	N/A	N/A	N/A	N/A	N/A	

Ingredient Name	CAS Number	% wt
CUPROUS IODIDE	7681-65-4	Proprietary
SULFUR	7704-34-9	Proprietary
CARBON	1333-86-4	Proprietary
MAGNESIUM	007439-95-4	Proprietary

### Section 3 - Potential Health Effects

Under normal conditions of use, the battery is not a health hazard.

### Section 4 - First Aid Measures

Under normal conditions of use, the battery does not require any First Aid.

### Section 5 - Fire-Fighting Measures

In case of fire, it is permissible to use any class of extinguishing medium on these batteries or their packing material. Fire fighters should wear self-contained breathing apparatus.

Extinguishing Media: Water.

Unusual Fire or Explosion Hazards: None.

### Section 6 - Accidental Release Measures

Spill /Leak Procedures: USE GENERAL CLEANUP PROCEDURES.

Spills and Containment: NOT APPLICABLE.

Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1910.120).

### Section 7 - Handling and Storage

Handling Precautions: The battery should not be opened or burned. Exposure to the ingredients contained within or their combustion products could be harmful.

Storage Requirements: STORE IN A DRY PLACE. Product is water activated. Once exposed to water, product will start to function. Do not expose to water until ready for use.

### Section 8 - Exposure Controls / Personal Protection

Protective Clothing/Equipment, Respiratory Protection: NOT REQUIRED FOR NORMAL USE.

### Section 9 - Physical and Chemical Properties

Physical State, Appearance and Odor, Odor Threshold, Vapor Pressure, Vapor Density, Formula Weight, Density, Specific Gravity, pH: NOT APPLICABLE.

Water Solubility: INSOLUBLE.  
Other Solubilities, Boiling Point, Freezing/Melting Point, Viscosity, Refractive Index, Surface Tension, % Volatile, Evaporation Rate: NOT APPLICABLE.

## **MSDS No. 008 L-12(A) WATER ACTIVATED EXTERIOR RAFT LIGHT & BATTERY**

### **Section 10 - Stability and Reactivity**

Stability: PRODUCT is stable at room temperature under normal storage and handling conditions.

Polymerization: Hazardous polymerization cannot occur.

Chemical Incompatibilities: Reacts with water to release hydrogen gas.

Conditions to Avoid: Do not activate product with water in enclosed areas.

Hazardous Decomposition Products: When activated with water, PRODUCT will produce a small quantity of Hydrogen Gas. After 8 hours of activation, PRODUCT can also produce Hydrogen Sulfide. PRODUCT can produce acrid smoke and fumes when burned.

### **Section 11- Toxicological Information**

Eye Effects, Skin Effects, Acute Inhalation Effects: NOT APPLICABLE.

Acute Oral Effects, Chronic Effects: NOT APPLICABLE.

Carcinogenicity, Mutagenicity, Teratogenicity: NOT APPLICABLE.

### **Section 12 - Ecological Information**

Ecotoxicity, Environmental Fate, Environmental Transport, Environmental Degradation, Soil Absorption/Mobility: NOT APPLICABLE.

### **Section 13 - Disposal Considerations**

Disposal: Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations. Each unit contains less than 12 grams of copper. Follow guidelines for copper disposal.

### **Section 14 - Transport Information**

DOT Transportation Data (49 CFR 172.101):

The transportation of these batteries are not regulated by the U.S. Department of Transportation or other major international regulatory bodies.

### **Section 15 - Regulatory Information**

EPA Regulations: NOT REGULATED.

RCRA Hazardous Waste Number: Not listed.

CERCLA Hazardous Substance and CERCLA Reportable Quantity: not listed.

SARA/TITLE III - As an article, this battery and its contents are not subject to the requirements of the Emergency Planning and Community Right-To-Know Act.

### **Section 16 - Other Information**

Prepared By: ROBERT STOLPE, ENVIRONMENTAL MANAGER FOR ACR ELECTRONICS, INC.

Disclaimer: THIS INFORMATION IS BELIEVED TO BE ACCURATE AND REPRESENTS THE BEST INFORMATION AVAILABLE TO US. HOWEVER, WE MAKE NO WARRANTY, EXPRESS OR IMPLIED, WITH RESPECT TO SUCH INFORMATION, AND WE ASSUME NO LIABILITY RESULTING FROM ITS USE. USERS SHOULD MAKE THEIR OWN INVESTIGATION TO DETERMINE SUITABILITY OF THIS INFORMATION FOR THEIR PARTICULAR USE.