



Technologies, Inc.

MSDS # MS-L30

MATERIAL SAFETY DATA SHEET

IDENTITY: (As used on label and list)

MONOLITE battery, wet, non-spillable, (Valve-regulated lead acid battery)

Section I – Manufacturer’s Information

Table with 2 columns: Field (Manufacturing Name, Address, Date revised) and Value (FIAMM Technologies, Inc., One FIAMM Way, August 2002, etc.)

Section II – Hazardous Ingredients/Identity Information

Table with 5 columns: Hazardous Components, OSHA PEL, ACGIH TLV, Other Limits Recommended, %

Section III – Physical/Chemical Characteristics

Table with 4 columns: Property (Boiling Point, Vapor Pressure, etc.) and Value (N/A, Specific Gravity, etc.)

Section IV – Fire and Explosion Hazard Data

Table with 4 columns: Flash Point, Flammable Limits, LEL, UEL

Section V – Reactivity Data

Table with 4 columns: Property (Stability, Incompatibility, etc.) and Value (Unstable, Stable, X, etc.)

## Section VI – Health Hazard Data

Route(s) of Entry	Inhalation? Yes	Skin? Yes	Ingestion? Yes
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### Health Hazards (Acute and Chronic)

Sulfuric acid – burns tissue contacted, including eye and corneal ulceration			
Lead – Short-term exposure due to inhalation of dust may cause seizure. Chronic exposure can lead to damage to blood-forming, nervous, urinary or reproductive systems.			
Carcinogenicity	NTP?	IARC Monographs?	OSHA Regulated?
	NO	NO	NO

### Signs and Symptoms of Exposure: **See Above**

<b>Medical Conditions General Aggravated by Exposure</b> Individuals with pre-existing disease of the lungs may have increased susceptibility to the toxicity of excessive exposures.
<b>Emergency and First Aid Procedures</b> If sulfuric acid electrolyte is spilled, immediately flush skin or eyes for at least 15 minutes while removing contaminated clothing and shoes. Contact a physician. If swallowed, do not induce vomiting; drink large quantities of water or milk; contact a physician.

## Section VII – Precautions for Safe Handling and Use

<b>Steps to be Taken in Case Material is Released or Spilled</b> Not usually applicable. However, in case sulfuric acid electrolyte is spilled, comply with federal, state and local regulations on reporting releases, containing spills and remediation. Contain spill to smallest possible area and absorb as appropriate.
<b>Waste Disposal Method</b> Comply with federal, state and local regulations. If approved, neutralize with soda ash or lime and transfer to waste treatment system.
<b>Precautions to be Taken in Handling and Storing</b> Avoid rough handling. Do not store above 140 degrees F. Always have water safety showers and eyewash fountains available.
<b>Other Precautions</b> No smoking regulations must be enforced due to Hydrogen generation during battery charging.

## Section VIII – Control Measures

<b>Respiratory Protection (Specific Type)</b> If incinerated, NIOSH/MSHA-approved positive pressure self-contained breathing apparatus.		
Ventilation	Local Exhaust Yes – discharge out of work area	Special
	Mechanical (General)	Other
<b>Protective Gloves</b> Rubber acid-proof gauntlet gloves.	<b>Eye Protection</b> Chemical splash goggles; full-length face shield.	
<b>Other Protective Equipment</b> Rubber or plastic apron and boots; long sleeve wool, acrylic or polyester clothing acid proof suit and hood.		
<b>Work/Hygienic Practices</b> Always use extreme care; wash thoroughly after handling.		

## Section IX – Transportation

Battery shipments from FIAMM Technologies, Waynesboro location, will be properly labeled in accordance with applicable DOT regulations. Because the batteries are classified as “Nonspillable” and meet the three conditions per sec. 173.159 (d) they do not have an assigned UN number nor do they require additional DOT hazard labeling.
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