

**MATERIAL SAFETY DATA SHEET  
(PREPARED ACCORDING TO 29 CFR 1910.1200)**

NFPA \_\_\_\_\_ Health 3  
4= Extreme \_\_\_\_\_ Fire 0  
3= High \_\_\_\_\_ Reactivity 2  
2= Moderate \_\_\_\_\_ Hazard AC  
1= Slight \_\_\_\_\_ PPE C  
0= Insignificant \_\_\_\_\_

**SECTION 1 – PRODUCT IDENTIFICATION**

**TRADE NAME:** Liquid Lightning  
**MANUFACTURER:** Hi-Tec Laboratories, Inc.  
**ADDRESS:** 9646 Highway 20 West, Freeport, FL 32439  
**FORMULA:** Sulfuric Acid

**TYPE:** Mineral Acid  
**EMERGENCY PHONE:** 850-835-6822

**SECTION 2-HAZARDOUS INGREDIENTS**

CHEMICAL/COMMON NAME	CAS NO.	%WEIGHT	OSHA	PEL	TLV	313
Sulfuric Acid	7664-93-9	94.19	3mg/m	(3)	1mg/m3	T

**SECTION 2A – NON HAZARDOUS INGREDIENTS**

CHEMICAL/COMMON NAME	CAS NO.	%WEIGHT	OSHA	PEL	TLV	313
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**SECTION 3 – PHYSICAL DATA**

**PH 1.3 BOILING POINT:** 530 degrees F      **SPECIFIC GRAVITY (H2O=1):** 1.843  
**VAPOR PRESSURE (mm Hg):** 1.7mm 250 degrees F      **VAPOR DENSITY (AIR=1):** greater than 1.0  
**SOLUBILITY IN WATER:** Complete      **PERCENT VOLATILE (BY WEIGHT):** 7%  
**EVAPORATION RATE (EITHER=1):** Less than 1.0      **WEIGHT/GALLON:** 16.00 LB  
**APPEARANCE:** Clear to dark brown with no odor

**SECTION 4 – FIRE AND EXPLOSION HAZARD DATA**

**FLASH POINT:** Not flammable      **FLAMMABLE LIMITS UP: LOW:**  
**EXTINGUISHING MEDIA:** Dry Chemical, CO2, or Foam

**SPECIAL FIREFIGHTING PROCEDURES:** Avoid spraying water into containers, reaction may be violent.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Product reacts violently when water is added. Temperature rise to 240 degrees F.

**SECTION 5 – REACTIVITY DATA**

**STABLE:** XXX      **INCOMPATIBILITY:**  
**HAZARDOUS DECOMPOSITION:** Sulfur Trioxide Gas  
**CONDITION TO AVOID:** Avoid contact with combustible materials: Nitrates, Chlorates, and Carbides.

**SECTION 6 – HEALTH HAZARDS**

**THRESHOLD LIMIT VALUE:** 1mg per cubic meter of air.

**EFFECTS OF OVEREXPOSURE:**

**SKIN:** Very Corrosive. Will cause severe burns.

**EYES:** Very Corrosive. Will cause severe burns.

**INGESTION:** Harmful or Fatal if swallowed.

**INHALATION OF MIST:** Can injure lungs.

**CARCINOGEN:** None

#### **SECTION 7 – EMERGENCY FIRST AID PROCEDURES**

**SKIN CONTACT:** Flush well with large amount of cool water for 15 minutes. Call physician immediately.

**EYE CONTACT:** Flush with large amounts of cool water for 15 minutes. See a physician immediately.

**INHALATION:** Remove to fresh air.

**INGESTION:** Call physician immediately. Do NOT induce vomiting. If conscious, give large amounts of water, milk, or Milk of Magnesia. Treat for symptoms of shock.

#### **SECTION 8 – SPECIAL PROTECTION INFORMATION**

**RESPIRATORY:** Normal use of this material in contact with decaying or organic matter may generate hydrogen sulfide fumes. Avoid breathing fumes.

**VENTILATION:** Local exhaust generally adequate.

**GLOVES:** Rubber gloves.

**EYE PROTECTION:** Chemical safety goggles and face shield.

**OTHER PROTECTION:** Rubber apron or rubber safety shoes as necessary.

#### **SECTION 9 – SPILL OR LEAK PROCEDURES**

**SPILL PROCEDURE:** Flush continuously with water; to neutralize acid area, sprinkle with baking soda, soda ash, or lime. Use only inert clay or sand to pick up spills. Do NOT use sawdust or rags.

**DISPOSAL:** Flush away with large amounts of water to nearest sewer, if local regulations permit.

Otherwise, cover with large amounts of absorbent materials as per above then pick up material and store in labeled container in accordance with local, state and federal regulations.

#### **SECTION 10 – STORAGE AND HANDLING INFORMATION**

**PRECAUTIONS:** Do not store near organic product or reactive chemicals. Store in a secure area out of reach of children.

**OTHER PRECAUTIONS:** Read all directions before using.

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All information, recommendations, and suggestions appearing herein concerning our product are based upon tests and data believed to be reliable. However, it is the user's responsibility to determine safety, toxicity, and suitability for his own use of the product described herein. Since the actual use by others is beyond our control, no guarantee, expressed or implied is made by Jones Stephens Corp. as to the effects of such use, the results to be obtained or the safety and toxicity of the product nor does Jones Stephens Corp. assume any liability arising out of the use, by others, of the product referred herein. The information herein is not to be construed as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.

**Revised September 7, 2007**