

# MATERIAL SAFETY DATA SHEET

**PRODUCT NAME:** ALASKA FISH FERTILIZER 5-1-1  
NFPA HAZARD RATINGS: Health(1), Fire(0), Reactivity(0).

Date of Preparation: 04/22/07 Revised : 07/17/09  
{(0)least (1)slight (2)moderate (3)high (4)extreme.}

## Section 1-CHEMICAL PRODUCT and COMPANY IDENTIFICATION

**Manufacturer:** LILLY MILLER BRANDS  
**Emergency Telephone:** 800-265-0761

1340 Treat Blvd. Suite 650

Walnut Creek CA 94597

## Section 2-COMPOSITION/INFORMATION on HAZARDOUS INGREDIENTS

### HAZARDOUS INGREDIENT NAME

Sulfuric Acid

### FORMULA

$H_2SO_4$

### CAS No.

7664-93-9

*SEE SECTION 8 for details.*

## Section 3-HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** Potential Health Effects: Primary Entry Routes: Eyes, skin, ingestion. Target Organs: Eyes, skin, gastrointestinal tract. Acute Effects: *Eye:* May cause irritation, redness and/or burning. *Skin:* May cause irritation, redness and/or burning. *Ingestion:* May be harmful if swallowed. May cause abdominal cramps, nausea, vomiting and/or diarrhea. Medical Conditions Aggravated by Long-Term Exposure: Persons with existing skin lesions should exercise caution when using or handling this product. Chronic Effects: Prolonged skin contact may cause dermatitis.

## Section 4-FIRST AID MEASURES

Eye Contact: Flush eyes with plenty of water for at least 15 minutes. Get medical attention. Skin Contact: Wash affected area with mild soap and water. Get medical attention if irritation persists or develops. Ingestion: DO NOT INDUCE VOMITING. Give large quantities of water. Get immediate medical attention. .

Note to Physicians: Product contains low levels of sulfuric acid.

## Section 5-FIRE FIGHTING MEASURES

Flash Point: NA. Flammability Classification: Non-flammable. Extinguishing Media for Surrounding Area: Water spray, dry chemical, carbon dioxide, foam. Unusual Fire or Explosion Hazards: Containers exposed to fire may rupture violently. Keep containers cool with water spray. Hazardous Combustion Products: Oxides of nitrogen and/or sulfur. Fire-Fighting Instructions: Fire fighters should wear full protective equipment and self-contained breathing apparatus. Prevent runoff from entering water systems. Keep non-essential personnel out of fire area.

## Section 6-ACCIDENTAL RELEASE MEASURES

Spill/Leak Procedures: Small Spills: Prevent spill from entering water systems. Absorb spill on inert material such as clay, vermiculite or kitty litter. Place absorbed material into labeled container for proper disposal.

## Section 7- HANDLING and STORAGE

Handling Precautions: Avoid contact with skin, eyes and clothing. Do not take internally. Wash after handling. Do not contaminate water by disposal of equipment wash waters. Storage Requirements: Store in a cool, dry area preferably locked and out of reach of children.

**Section 8-EXPOSURE CONTROLS/PERSONAL PROTECTION**

Respiratory Protection: Not normally required. Protective Clothing/Equipment: Safety glasses recommended.

EXPOSURE GUIDELINES:

<u>Ingredient</u>	<u>OSHA PEL TWA STEL</u>	<u>ACGIH TLV TWA STEL</u>	<u>NIOSH REL TWA STEL</u>
Sulfuric Acid	1 mg/m <sup>3</sup> NA	1 mg/m <sup>3</sup> 3 mg/m <sup>3</sup>	1 mg/m <sup>3</sup> NA

**Section 9-PHYSICAL/CHEMICAL PROPERTIES**

Physical State: Brown, free flowing liquid with fishy odor. Solubility in Water: Soluble. Density: 9.25 lbs/gal.  
pH: 3.6-3.8

**Section 10-STABILITY AND REACTIVITY**

Stability: Stable under normal conditions of use and storage. DO NOT FREEZE. Polymerization: NO. Chemical Incompatibilities: Alkaline materials. Conditions to Avoid: Extreme heat. Do not freeze. Hazardous Decomposition Products: Oxides of nitrogen and/or sulfur.

**Section 11-TOXICOLOGICAL INFORMATION**

No laboratory tests for this product for the following: Eye Effects, Skin Effects, Acute Inhalation Effects, and Chronic Effects. Positive Teratogen/Mutagen/Carcinogen (NTP): and Potential Carcinogen OSHA/IARC: Sulfuric Acid: ACGIH (suspected human carcinogen); OSHA (select carcinogen); IARC (G1 carcinogen).

**Section 12-ECOLOGICAL INFORMATION**

Accidental spills of undiluted product may cause vegetation kills. Keep out of any body of water.

**Section 13-DISPOSAL CONSIDERATIONS**

Disposal: Consult local, state or federal regulatory agencies for acceptable disposal procedures and locations. Disposal in waterways or sewers may be prohibited.

**Section 14-TRANSPORT INFORMATION**

DOT Transportation Data (49 CFR 172.101): Not regulated

**Section 15-REGULATORY INFORMATION**

EPA Regulations: Not regulated by EPA under FIFRA or FQPA. OSHA Regulations: Refer to Sections 2 & 8. State Regulations: Check with specific state authorities since regulations vary within the states. SARA Title III; Sections 311/312: Sudden Release of Pressure (N); Reactivity (N); Fire (N); Immediate (Acute) Health (Y); Delayed (Chronic) Health (N). Sulfuric Acid listed as toxic chemical under Sec. 313.

**Section 16-OTHER INFORMATION**

Format similar to ANSI Z400.1-2004  
ND= Not Determined; NA= Not Applicable; NIA= No Information Available