

# Material Safety Data Sheet

## Product: Leslie's Swimming Pool Supplies Dry Acid

### 1. Chemical Product and Company Identification

Trade Name of this Product: Leslie's Swimming Pool Supplies Dry Acid

MSDS ID Jones-Ham 11/11/05

Revision Date 6/20/2008

**Repackager:**

LPM Manufacturing, Inc.  
3925 East Broadway Rd., Suite 100  
Phoenix, AZ 85040  
Phone Number  
(602) 366-3999

**Emergency Phone:** (800) 424-9300

### 2. Composition and Information on Ingredients

Ingredient	CAS Number	Weight %
Sodium Bisulfate	7681-38-1	91.5 - 94.7 %
Sodium Sulfate	7757-82-6	4.8 - 8.0 %
Moisture	7732-18-5	0.1 - 0.5 %

### 3. Hazard Identification

**Likely Routes of Exposures:**

Eye contact, skin contact, inhalation

**NFPA Ratings:**

Health: 1      Fire: 0      Reactivity: 0

**EMERGENCY OVERVIEW**

Solid-off white granular material, with the consistency of salt.

WARNING: Causes eye irritation. May cause skin and respiratory tract irritation. Avoid contact with eyes and skin. Avoid breathing dust. Wash exposed skin thoroughly after handling.

**Eye Contact:**

Causes mild to severe irritation. May cause burn if not flushed with water.

**Skin Contact:**

Prolonged exposure may cause moderate irritation. May cause burn if not flushed with water.

**Inhalation:**

Inhalation of dust may irritate or burn nose, throat and lungs.

**Ingestion:**

Small amounts (tablespoonful) swallowed are not likely to cause injury; however, swallowing large amounts may irritate or burn digestive tract.

**Chronic Hazards:**

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC, ACGIH or NTP.

**Medical Conditions Aggravated by Exposure:** Pre-existing respiratory conditions.

This material meets the definition of an irritant as defined in OSHA's Hazard Communication Standard (29 CFR 1910.1200).

**Potential: Environmental Effects:**

Material in dry form is not hazardous to the environment. However, readily dissolves in water to form a weak acidic solution that is harmful to aquatic life.

## 4. First Aid Information

**Eye:**

Immediately flush eyes with water for at least 15 minutes, lifting eyelids to thoroughly flush. If redness or irritation persists, get prompt medical attention.

**Skin:**

Immediately flush affected area with water for at least 15 minutes. If burn occurs, seek immediate medical attention.

**Inhalation:**

Remove to fresh air. If irritation or discomfort persists, seek medical attention.

**Ingestion:**

If large amounts are ingested (greater than tablespoonful), drink large quantities of milk or water. Follow with milk of magnesia, beaten eggs or vegetable oil. DO NOT INDUCE VOMITING. Contact Physician immediately.

## 5. Fire Fighting Measures

**Flash Point** Not applicable

**FP Method** Not applicable

**Flammable limits:**

Not applicable

**Extinguishing Media:**

Use extinguishing media appropriate for surrounding fire. Because material will readily dissolve in water to form a weak acid solution, avoid water contact with material if possible.

**Hazardous Combustion Products:**

At temperatures over 806°F (430°C) product will decompose generating oxides of sulfur.

**Fire-fighting Instructions:**

Product readily dissolves in water to form a weak acid solution. If using water, wear acid protective equipment. No gases or toxic fumes are emitted from this reaction. However, if elevated temperatures (>806°F) are reached, self-contained breathing apparatus should be worn.

## 6. Accidental Release Measures

**Personal Protection:**

Use personal protection recommended in Section 8.

**Land Spill Cleanup:**

Vacuum or shovel material and place in disposal container. Avoid excessive dust generation. Dilute residual material with ample supply of water and direct to sanitary sewer if Federal, State or Local regulations permit.

**Water Spill Cleanup:**

Readily dissolves in water to form a weak acid solution. If water is isolated or can be contained, neutralize with weak alkaline solution.

**CERCLA RQ:**

This product contains no Hazardous Substances listed in 40 CFR Part 302.

## 7. Handling and Storage

**Handling:**

Wear all recommended personal protective clothing when handling. Avoid contact with eyes. Wash thoroughly after handling. Minimize dust generation. Avoid breathing dust.

**Storage:**

Material is hygroscopic and will readily absorb moisture. Keep containers tightly closed. DO NOT store where exposed to moist conditions. DO NOT store near strong alkalis.

## 8. Exposure Controls and Personal Protection

**Exposure Guidelines:**

Sodium bisulfate-	not established
Sodium Sulfate-	not established

**Engineering Controls:**

Provide general and/or local exhaust ventilation to maintain airborne particulate below nuisance levels (>10mg/m<sup>3</sup>)

**Respiratory Protection:**

In dusty atmospheres (>10 mg/m<sup>3</sup>), use a NIOSH approved dust respirator.

**Skin Protection:**

Rubber gloves and cotton blend coveralls.

**Eye Protection:**

Safety glasses or goggles

**General Hygiene Considerations:**

There are no known health hazards associated with this material when used as recommended. Follow good industrial hygiene practices including but not limited to (1) avoid breathing dust; (2) avoid contact with eyes; and (3) wash thoroughly after handling.

## 9. Physical and Chemical Properties

**Physical State-** dry crystalline solid spherical shape beads

**Specific Gravity** Not applicable

**Bulk Density** 80- 85 lbs/ft<sup>3</sup>

**Color/Appearance** off-white granular material

**Odor** fresh to pungent

**Boiling/Cond. Point** not applicable

**Melting/Freezing Point** 350° F

**Solubility** 1,080 g/l @68°F (20°C)

**Evaporation Rate** not applicable

**VOC %** not applicable

**Percent Volatile** Not applicable

**Molecular Formula** NaHSO<sub>4</sub>

**Molecular Weight** 120

**Viscosity** Not applicable

**Vapor Density** Not applicable

**Vapor Pressure** Not applicable

**pH** <1 @5% aqueous solution

**Particle Size** +/- 0.75 mm diameter

## 10. Stability and Reactivity

**Stability:** Stable

**CONDITIONS TO AVOID:**

DO NOT store dry product where exposed to moist conditions.

**Materials to Avoid (Incompatibilities):**

Avoid contact with strong alkaline material such as caustic. Dissolves readily in water to form a weak acid solution. **DO NOT MIX** with chlorine bleach, ammonia cleanser or similar products.

**Hazardous Decomposition Products:**

Only if heated over 806° F (430°C), at which sulfur dioxide and sulfur trioxide are formed.

**Possibility of Hazardous Reactions:**

Will not occur.

## 11. Toxicological Information

**Acute Data:**

Oral- LD<sub>50</sub> (rat) 2,800 mg/kg

Skin irritation- This material is neither corrosive nor destructive to the skin of New Zealand rabbits. Occasionally, a very slight rash may appear.

**Subchronic Data:**

Not available

**Special Studies:**

Not available

## 12. Ecological Information

**Ecotoxicity:**

This product readily dissolves in water to form a weak acid solution. A 0.05 percent or greater (by weight) solution of this product will likely be acutely harmful to aquatic life.

**Environmental Fate:**

Material will decompose in soil. Studies show that there are no adverse effects of applying the main ingredient in this product (sodium bisulfate) directly to crops. In fact there are existing products on the market that use sodium bisulfate as a soil additive to improve crop production. However, do not apply excess quantities to soil.

## 13. Disposal Considerations

**Classification:**

If this product as supplied becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA).

**Disposal Method:**

Dispose of in accordance with local, State, Provincial and Federal laws and regulations.

## 14. Transportation Information

**DOT Status:**

This material is not regulated hazardous material for transportation.

## 15. Regulatory Information

### **CERCLA:**

This product contains no Hazardous Substances listed in 40 CFR Part 302.

### **SARA Title III:**

Section 313: Contains none of the substances subject to reporting requirements.

Section 311/312: Acute

### **USA TSCA:**

All components of this product are listed on the TSCA Inventory.

### **California Proposition 65:**

This product does not contain any ingredient known to the State of California to cause cancer or reproductive toxicity as listed under the Safe Drinking Water and Toxic Enforcement Act of 1986.

### **New Jersey:**

Department of Health RTK List – sn 1704. Special Hazardous Substances- Corrosive

## 16. Other Information

### **HMIS RATING:**

Health: 1      Flammability: 0      Physical Hazard: 0

### **Additional Preparation Information:**

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