

Material Safety Data Sheet

Product: Leslie's Swimming Pool Supplies Alkalinity Up

1. Chemical Product and Company Identification

Trade Name of this Product: Leslie's Swimming Pool Supplies Alkalinity Up

MSDS ID Solvay Bicarb-0707

Revision Date 06/19/2008

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 %	Formula
Sodium Bicarbonate	144-55-8	>99	NaHCO ₃

3. Hazard Identification

NFPA Ratings:

Health: 1 Fire: 0 Reactivity: 0 Specific: N/A

EMERGENCY OVERVIEW

Main Effects

- Mechanical irritation
- Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea

Potential Health Effects

Eye Contact:

May be irritating

Skin Contact:

May be irritating

Inhalation:

May be irritating to respiratory tract mucous membranes.

Ingestion:

May be irritating.

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

4. First Aid Information

Eye:

- Flush eyes with running water for 15 minutes, maintaining the eyelids wide open to eliminate the product.
- Consult an ophthalmologist in case of persistent pain.

Skin:

- Wash off with plenty of water

Inhalation:

- Remove subject to a dust free environment and let him/her blow nose.

Ingestion:

The following actions are recommended:

- If a large amount is swallowed, get medical attention.

If victim is conscious:

- If swallowed, rinse mouth with water (only if person is conscious).

If victim is unconscious but breathing:

- Never give anything by mouth to an unconscious person.

5. Fire Fighting Measures

Flash Point Not applicable

Auto Ignition Temperature: Not applicable

Flammability Limits: Not applicable.

Unusual Fire and Explosion Hazards: None

Suitable Extinguishing Media

-Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

6. Accidental Release Measures

Precautions:

Refer to sections 7 (Handling and Storage) and 8 (Exposure Controls and Personal Protection).

Cleanup Methods:

- Do not flush into surface water or sanitary sewer system.
- Prevent any mixture with an acid into the sewer/drain (gas formations).

Precautions for protection of the environment:

- Sweep up and shovel into suitable containers for disposal.
- Avoid dust formation.
- Keep in properly labeled containers.
- Keep in suitable, closed containers for disposal.
- Treat recovered material as described in the section "Disposal Considerations."

7. Handling and Storage

Handling:

Keep away from incompatible products.

Storage:

Keep in a closed, properly labeled original container in a dry area away from incompatible products.

Packaging:

- Paper + PE.
- Polypropylene
- Polyethylene
- Woven Plastic Material

Other Information:

- Avoid dust formation.
- Refer to sections 7 (Handling and Storage) and 8 (Exposure Controls and Personal Protection).

8. Exposure Controls and Personal Protection

Exposure Limit Values: This material does not have established exposure limits.

<u>Exposure Limit Values</u>	<u>OSHA PEL</u>	<u>SAEL</u>
Sodium Bicarbonate		10 mg/m ³ Total Dust
Nuisance Dust	5 mg/m ³ (Respirable Fraction), 15 mg/m ³ (Total Dust)	

Engineering Controls:

- Ensure adequate ventilation.
- Provide adequate exhaust ventilation at places where dust is formed.
- Refer to sections 7 (Handling and Storage) and 8 (Exposure Controls and Personal Protection).
- Apply technical measures to comply with the occupational exposure limits.

Personal Protective Equipment:**Respiratory Protection:**

- Use only respiratory protection that conforms to international/national standards.
- Use NIOSH approved respiratory protection.

Hand Protection:

- Wear suitable gloves.

Eye Protection:

- Dust proof goggles, if dusty.

Skin and Body Protection:

- Protective clothing.

Hygiene Measures:

- Wash hands before breaks and at the end of the workdays.
- When using, do not eat, drink or smoke.
- Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

Physical State solid

Specific Gravity H₂O=1

Relative Density 2.2

Color/Appearance Crystalline powder. White

Odor None

Boiling/Cond. Point Not Applicable (Thermal Decomposition)

Melting/Freezing Point Not Applicable

Solubility: *Water:* 96 g/ liter water @ 20°C (68°F) *Other:* Slightly soluble in alcohol

Evaporation Rate Not Applicable

Viscosity Not applicable

pH: 8.6 (Concentration: 52 g/l)

Flash Point: Not Applicable

Flammability: Not Applicable

Explosive Properties: Not explosive

Oxidizing Properties: Non- Oxidizer

Vapor Pressure: Not Applicable

Partition Coefficient: P (n-octanol/water): Not Applicable

Vapor Density: (air=1): Not applicable

Molecular Weight: 84.02

Decomposition Temperature: > 60°C (140°F)

Viscosity: Not Applicable

Bulk-Density: from 0.5 – 1.2 kg/Dm³ (32-79 lbs/ft³ – Typically 60 lbs/ft³)

Decomposition Temp: >60°C (140°F)

10. Stability and Reactivity

Stability:

Stable under recommended storage conditions.

CONDITIONS TO AVOID:

None

Materials to Avoid:

Acids

Hazardous Decomposition Products:

None

11. Toxicological Information

Acute toxicity:

Inhalation: LC50, rat, >4.74mg/l

Oral: LD50, rat, >4,000 mg/kg

Dermal: LD50, rabbit, no data available

Irritation:

- Rabbit; slight irritant (skin).
- Rabbit, slight irritant (eyes).

Chronic Toxicity: No observed effect

Genetic toxicity in vitro: Remarks: No observed effects.

Teratogenicity: Oral route (gavage), 10 days, various species, 330 mg/kg, did not show teratogenic effects in animal experiments.

12. Ecological Information

Acute Ecotoxicity:

- Crustaceans, Daphnia magna, EC₅₀, 48 hours, 4,100 mg/l
- Crustaceans, Daphnia magna, NOEC, 48 hours, 3,100 mg/l
- Fishes, Lepomis macrochirus, LC50, 96 hours, 7,100 mg/l
- Fishes, Lepomis macrochirus, NOEC 96 hours 5,200 mg/l
- Fishes, Oncorhynchus mykiss, LC50, 96 hours, 7,700 mg/l
- Fishes, Oncorhynchus mykiss, NOEC, 96 hours, 2,300 mg/l

Mobility:

- Water: Considerable solubility and mobility.
- Soil/sediments: Considerable solubility and mobility.
- Air: Not applicable

Persistence and Degradation:

Abiotic Degradation:

- Water, hydrolysis
- Result: Acid/base equilibrium as a function of pH.
- Degradation products: carbonic acid/bicarbonate/carbonate

Biodegradation:

- Remarks: The methods for determining biodegradability are not applicable to inorganic substances

Potential for bioaccumulation: Not applicable

Other adverse effects/ Comments: No data available

Remarks: Ecological injuries are not known or expected under normal use.

13. Disposal Considerations

Waste Treatment:

Sodium Bicarbonate is not a listed hazardous waste under 40 CFR 261. However, state and local regulations for waste disposal may be more restrictive. Spilled product should be disposed of in an EPA approved disposal facility in accordance with applicable national, state and local environmental laws and regulations.

Packaging Treatment:

To avoid treatment, use dedicated containers where possible. Rinse the empty containers and treat the effluent in the same way as waste. Consult current federal, state and local regulations regarding the proper disposal of emptied containers.

RCRA: Hazardous Waste: Not Listed

14. Transportation Information

Mode	DOT	IMDG	IATA
UN Number	Not a regulated hazardous material	Not a regulated hazardous material.	Not a regulated hazardous material.
Other	It is recommended that ERG Guide #111 be used for all non-DOT- regulated materials.		

15. Regulatory Information

CERCLA:

Listed: No.

Unlisted Substance: No

SARA Title III:

Sec. 302/303 Extremely Hazardous Substances (40 CFR355): No

Sec. 311/312 (40 CFR 370): No

Sec. 313 Toxic Chemical Emissions Reporting (40 CFR 372): No

TSCA Inventory 8(b): Yes

State Component Listing: None identified

16. Other Information

HMIS

Health:1 Fire:0 Reactivity:0 PPE:Supplied by User; dependent on local conditions

Additional Preparation Information:

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