

Leslie's Swimming Pool Supplies  
Material Safety Data Sheet

Date Prepared: June 30, 1997  
Material Name: Sodium Bicarbonate

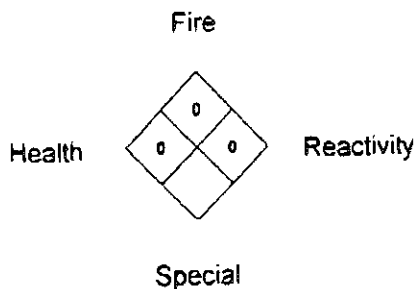
MSDS No.: 14064FMC  
Telephone No. (818) 993-4212

**24 HOUR EMERGENCY PHONE: CHEMTREC 800-424-9300**

**SECTION I - GENERAL INFORMATION**

Manufacturer's Name: FMC Wyoming Corporation  
 Manufacturer's Address: 1735 Market Street, Philadelphia, PA 19103  
 Manufacturer's Phone (Medical): 303-595-9048 Call Collect  
 Manufacturer's Phone (Other): 716-876-8300 Call Collect  
 Trade/Product Name: Leslie's Alkalinity Up  
 Synonyms: Bicarbonate of soda, baking soda, sodium acid carbonate  
 Chemical Name: Sodium bicarbonate  
 Chemical Formula: NaHCO<sub>3</sub>  
 Chemical Family: Alkali  
 CAS No.: 144-55-8  
 DOT Proper Shipping Name: Not Regulated  
 DOT Hazard Class: None - Not Regulated

**NFPA Hazard Ratings:**



**FIRE:** Materials that will not burn.

**HEALTH:** Materials that on exposure under fire conditions would offer no hazard beyond that of ordinary combustible material.

**REACTIVITY:** Materials that (in themselves) are normally stable even under fire exposure conditions and that are not reactive with water. Normal fire fighting procedures may be used.

**SPECIAL:**

Based on the National Fire Protection Association rating system

**SECTION II - INGREDIENTS**

**Regulated components:**

CAS NO.	INGREDIENT	WT. %
144-55-8	Sodium bicarbonate	100

**SECTION III - PHYSICAL DATA**

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FREEZING/MELTING POINT: Decomposes  
BOILING POINT @ 760 MM Hg: Not applicable  
VAPOR PRESSURE: Nil  
VAPOR DENSITY (AIR=1): Not applicable  
APPEARANCE AND STATE: White granular solid  
ODOR: Odorless  
SPECIFIC GRAVITY (H<sub>2</sub>O = 1): 2.20  
SOLUBILITY in H<sub>2</sub>O % by weight: 9% @ 20°C  
% VOLATILES BY VOLUME: Nil  
EVAPORATION RATE (Butyl Acetate =1): Not applicable  
pH (AS IS): Not applicable  
pH (1% SOLUTION): 8.3  
ODOR THRESHOLD: Not applicable  
DENSITY (GMS/ML): 0.88 average  
COEFFICIENT WATER/OIL DIST.: Not available

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#### SECTION IV - FIRE, EXPLOSION AND REACTIVITY DATA

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FLASH POINT (Method Used): Non combustible  
AUTOIGNITION TEMPERATURE: Not applicable  
FLAMMABLE LIMITS IN AIR: LEL: Not applicable UEL: Not applicable  
EXTINGUISHING MEDIA: All  
SPECIAL FIREFIGHTING PROCEDURES: None  
DEGREE OF FIRE AND EXPLOSION HAZARD: None  
STABILITY: Stable  
HAZARDOUS POLYMERIZATION PRODUCTS: None  
CONDITIONS TO AVOID: Heat, moisture, reducing agents, heavy metals, organic compounds.  
SENSITIVITY TO MECHANICAL IMPACT: Not Available  
SENSITIVITY TO STATIC DISCHARGE: Not Available

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#### SECTION V - HEALTH HAZARD INFORMATION

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##### ROUTES OF EXPOSURE

EYE CONTACT: Mild irritant (rabbit), RTECS, 1985-6  
SKIN CONTACT: Mild irritant (rabbit) RTECS 1985-6

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6000 mg/kg (20% slurry)

Gosselin, Smith and Hodge, Clinical Tox. of Comm. Products, 1984.

**EXPOSURE LIMITS****OSHA:** Not established**ACGIH:** Not established**OTHER:** Not applicable

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**SECTION VI - EFFECTS OF OVEREXPOSURE**

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**ACUTE:** Sodium bicarbonate is a GRAS (generally recognized as safe) food ingredient. No significant toxicity is expected. May be irritating to the skin and eyes.**CHRONIC:** (Effects considered include: Sensitivities, carcinogenicity, teratogenicity, mutagenicity, synergistic products, and any medical conditions generally recognized as being aggravated by exposure.): Administration of large doses of sodium bicarbonate to patients with renal insufficiency can produce systemic alkalosis.**EMERGENCY AND FIRST AID PROCEDURES****EYES:** Flush with water for at least 15 minutes. If irritation persists, obtain medical attention.**SKIN:** Wash with plenty of soap and water for 15 minutes. If irritation occurs and persists, obtain medical attention.**INHALATION:** Remove from exposure. If discomfort occurs and persists, obtain medical attention.**INGESTION:** Drink water to dilute. Obtain medical advice by phone.**DECONTAMINATION PROCEDURE:** Wash with soap and water.**NOTES TO PHYSICIAN:** Internal toxicity is low. Treatment follows standard protocols and is otherwise symptomatic and supportive.

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**SECTION VII - SPECIAL PROTECTION INFORMATION**

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**VENTILATION REQUIREMENTS:** Use general room dilution or local exhaust ventilation when excessive dust is expected in the work environment.**RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT****RESPIRATORY:** Where NIOSH/MSHA approved dust respirator if excessive visible dust levels are expected.

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EYES: Chemical goggles

GLOVES: General purpose.

SPECIAL CLOTHING AND EQUIPMENT: Full cover clothing.

FOOTWEAR: None.

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### SECTION VIII - STORAGE AND HANDLING

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NOTE: Please use this statement to satisfy the in-plant labeling requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Store in cool, dry areas and away from other chemicals that may contaminate product. Minimize the free fall when handling to minimize the dust generated. Wear eye protection and MSHA/NIOSH approved dust respirator to prevent irritation where excessive dust may be expected. Carbon dioxide gas can form in confined spaces if sodium bicarbonate contacts acids. Do not enter confined spaces until they have been well ventilated and carbon dioxide and oxygen levels have been determined to be safe. Continue to monitor atmosphere for oxygen deficiency.

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### SECTION IX - DISPOSAL, SPILL OR LEAK PROCEDURES

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**PROCEDURE FOR A RELEASE OR SPILL:** Sweep up as much as possible for salvage or disposal. Wash away residue with water.

**WASTE DISPOSAL METHOD:** If material cannot be salvaged, the preferred method of disposal is in a secured landfill in accordance with all local, State and Federal environmental regulations. Empty containers may be incinerated or discarded as general trash.

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### SECTION X - TRANSPORTATION DATA

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**DOT PROPER SHIPPING NAME:** Sodium bicarbonate

**DOT CLASSIFICATION:** Nonhazardous

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### SECTION X - TRANSPORTATION DATA

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**DOT LABELS:** Not applicable

**DOT MARKING:** Not applicable

**DOT PLACARD:** Not applicable

**UN NUMBER:** Not applicable

**HAZARDOUS SUBSTANCE/RQ:** Not applicable

**49 STCC NUMBER:** Not applicable

**EMERGENCY ACCIDENT PRECAUTIONS AND PROCEDURE:** None

**PRECAUTIONS TO BE TAKEN IN TRANSPORTATION:** None

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### SECTION XI - ADDITIONAL REGULATORY INFORMATION

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MATERIAL IS REPORTED IN EPA TSCA INVENTORY LIST?: - Yes

MATERIAL IS LISTED AS A CARCINOGEN/POTENTIAL CARCINOGEN IN FOLLOWING?:

NTP ANNUAL REPORT: No IARC GROUP I OR II: No

OSHA 29CFR PART 1910 SUBPART Z: No ACGIH APPENDIX A: No

#### CALIFORNIA "PROPOSITION 65"

No chemicals listed by California are present at a level that poses a significant risk of causing cancer or reproductive toxicity. Concentration of listed chemicals are:

Arsenic, ppm as AS <sub>2</sub> O <sub>3</sub>	= 0.01
Total chromium, ppm Cr	= 0.03
Lead, ppm Pb	= <1

DOES PRODUCT CONTAIN A TOXIC CHEMICAL SUBJECT TO SARA TITLE III SECTION 313 REPORTING: No

SARA TITLE III SECTION 311/312 CLASSIFICATION: Acute Health Hazard (irritant)

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### SECTION XII - PREPARATION INFORMATION

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For additional Non-Emergency health, safety or environmental information, call or write the following manufacturer or distributor:

FMC Corporation  
1735 Market Street  
Philadelphia, PA 19103  
**Medical Information Phone: 716-876-8300**  
Other Information Phone: 303-595-9048

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### SECTION XII - PREPARATION INFORMATION - CONTINUED

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For additional, non-emergency information about this product or its use, please contact:

Leslie's Swimming Pool Supplies  
Technical Assistance  
20630 Plummer Street  
Chatsworth, CA 91311  
Phone 818-993-4212

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