

Leslie's Swimming Pool Supplies
Material Safety Data Sheet

Date Prepared: June 30, 1997

Material Name: **Sodium Bicarbonate**

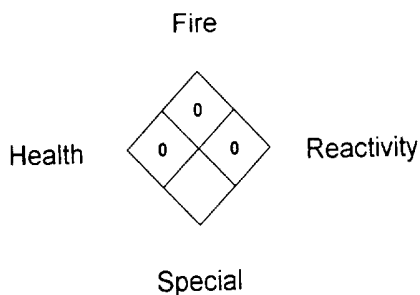
MSDS No.: 14064FMC
Telephone No. (818) 993-4212

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 ₃
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 (H₂O) = 1): 2.20
SOLUBILITY in H₂O % 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

SECTION IV - FIRE, EXPLOSION AND REACTIVITY DATA

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

SECTION V - HEALTH HAZARD INFORMATION

ROUTES OF EXPOSURE

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

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SKIN ABSORPTION: No data available

INHALATION: No data available

INGESTION: Practically non-toxic;

LD₅₀ (rat) = 4300 mg/kg (20% slurry);

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

SECTION VI - EFFECTS OF OVEREXPOSURE

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.

SECTION VII - SPECIAL PROTECTION INFORMATION

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.

SECTION VIII - STORAGE AND HANDLING

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.

SECTION IX - DISPOSAL, SPILL OR LEAK PROCEDURES

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.

SECTION X - TRANSPORTATION DATA

DOT PROPER SHIPPING NAME: Sodium bicarbonate

DOT CLASSIFICATION: Nonhazardous

SECTION X - TRANSPORTATION DATA

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

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_2O_3	= 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)

SECTION XII - PREPARATION INFORMATION

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

SECTION XII - PREPARATION INFORMATION - CONTINUED

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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