

# SAFETY DATA SHEET

---

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** FLEX Alkaline Builder

**GENERAL USE:** For professional laundry use only.

**PRODUCT DESCRIPTION:** Alkaline Booster

### MANUFACTURER

R. R. Street & Co. Inc.  
215 Shuman Boulevard/Suite 403  
Naperville, IL 60563

**Product Information:** 800-323-7206 (USA  
& Canada only) or 630-416-4244

### 24 HR. EMERGENCY TELEPHONE NUMBERS

**Medical Emergency:** 866-303-6947 (USA & Canada  
only) or 651-632-9272

**Transportation Emergency:** 800-424-9300 (USA &  
Canada only) or 703-527-3887

---

## 2. HAZARDS IDENTIFICATION

### GHS CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Skin Corrosion/Irritation: Category 1

Eye Damage/Irritation: Category 1

### GHS LABEL ELEMENTS

**Symbol(s):**



**Signal Word:** Danger

### Hazard Statements:

H314 – Causes severe skin burns and eye damage.

### Precautionary Statements:

P260 – Do not breathe in dust/fume/gas/mist/vapors/spray.

P264 – Wash skin thoroughly after handling.

P280 – Wear protective gloves/protective clothing/eye protection/face protection.

P301+P330 +P331 – IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 – IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing.  
Rinse SKIN with water/shower.

P304+P340 – IF INHALED: Remove person to fresh air and keep in a position comfortable for  
breathing.

P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact  
lenses if, if present and easy to do. Continue rinsing.

P310 – Immediately call a POISON CENTER or doctor/physician.

P363 – Wash contaminated clothing before reuse.

P501 – Dispose of contents and container to licensed, permitted incinerator, or other thermal  
destruction device.

**Other Hazards:** Not available.  
**Unknown Acute Toxicity:** Not applicable.

---

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

<b>Chemical Name</b>	<b>Wt. %</b>	<b>CAS#</b>
Sodium hydroxide	10 - 30	1310-73-2

**COMMENTS:** None.

---

### 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

**SKIN:** Remove contaminated clothing. Wash with soap and water. Consult a physician if irritation persists.

**INGESTION:** Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

**INHALATION:** Remove affected person to fresh air. If not breathing, give artificial respiration. Get medical attention.

#### **SIGNS AND SYMPTOMS OF OVEREXPOSURE**

**EYES:** Corrosion of the eye tissue. Causes serious eye damage.

**SKIN:** Caustic burns/corrosion of the skin. Slow healing wounds.

**SKIN ABSORPTION:** Insufficient data available.

**INGESTION:** Vomiting. Diarrhea. Burns to the gastric/intestinal mucosa. Possible esophageal perforation. Bleeding of the gastrointestinal tract. Shock. **AFTER ABSORPTION OF HIGH QUANTITIES:** Disturbances of consciousness.

**INHALATION:** Dry/sore throat. Coughing. Irritation of the respiratory tract and nasal mucous membranes. **FOLLOWING SYMPTOMS MAY APPEAR LATER:** Possible laryngeal spasm/edema. Risk of lung edema. Respiratory difficulties.

**ADDITIONAL INFORMATION:** After emergency actions, call the emergency medical information number on page 1 or a physician immediately.

---

### 5. FIRE FIGHTING MEASURES

**FLAMMABLE CLASS:** Not applicable.

**EXTINGUISHING MEDIA:** Not applicable.

**HAZARDOUS COMBUSTION PRODUCTS:** No data available.

**OTHER CONSIDERATIONS:** Not applicable.

**FIRE FIGHTING EQUIPMENT:** Not applicable.

---

### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Clean up spill with absorbent material and water, if necessary, observing precautions in the Protective Equipment section.

**LARGE SPILL:** Contain spill. Avoid breathing vapor. Clean up spills immediately with absorbent material, observing precautions in the Exposure Controls / Personal Protection section (see section 8). Place

absorbed material in closed containers for disposal (see section 13). Do not flush unneutralized residue to sewer. Avoid contamination of ground and surface waters.

## 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Not applicable.

**HANDLING:** Follow all SDS/label precautions even after container is emptied because it may retain product residues.

**STORAGE:** Store in labeled, tightly sealed containers. Protect from freezing.

**ELECTROSTATIC ACCUMULATION HAZARD:** Not applicable.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**EXPOSURE GUIDELINES:**

**OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)**

	<b>EXPOSURE LIMITS</b>					
	<b>OSHA PEL</b>		<b>ACGIH TLV</b>		<b>Supplier OEL</b>	
	<b>ppm</b>	<b>mg/m<sup>3</sup></b>	<b>ppm</b>	<b>mg/m<sup>3</sup></b>	<b>ppm</b>	<b>mg/m<sup>3</sup></b>
Sodium hydroxide	<b>TWA</b>	2		2		
	<b>STEL</b>		NE		NE	

**TABLE FOOTNOTES:**

1. NE=Not established.

**ENGINEERING CONTROLS:** Good general ventilation should be sufficient to control airborne levels.

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Chemical goggles and a face shield

**SKIN:** Neoprene or Barrier™ gloves.

**RESPIRATORY:** Not expected to require respirator usage. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release and exposure levels are not known.

**PROTECTIVE CLOTHING:** Where contact is likely, wear the appropriate chemical resistant equipment, which depending on circumstances may include gloves, a chemical suit, rubber boots, and chemical safety goggles plus a face shield.

**WORK HYGIENIC PRACTICES:** Wash thoroughly after handling. Do not eat or drink in work area.

**OTHER USE PRECAUTIONS:** Have eye wash station available. Do not wear contact lenses without eye protection.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Clear.

**PHYSICAL STATE:** Liquid.

**COLOR:** Light yellow.

**ODOR:** Bland.

**ODOR THRESHOLD:** No data available.

**pH:** 12-13 (1% aq. soln.)

**FREEZING POINT:** <0°C (32°F)

**INITIAL BOILING POINT:** 100°C (212°F)

**FLASHPOINT:** Not applicable.

**EVAPORATION RATE:** No data available.

**FLAMMABILITY (Solid, Gas):** Not applicable, this product is a liquid at room temperature.

**FLAMMABLE LIMITS:** No data available.

**VAPOR PRESSURE:** No data available.

**VAPOR DENSITY:** No data available.

**RELATIVE DENSITY:** 1.11

**SOLUBILITY IN WATER:** Soluble.

**PARTITION COEFFICIENT (Log K<sub>ow</sub>):** No data available.

**AUTOIGNITION TEMPERATURE:** Not available.

**DECOMPOSITION TEMPERATURE:** No data available.

**VISCOSITY:** No data available.

**PERCENT VOLATILE:** ~81

---

## 10. STABILITY AND REACTIVITY

**REACTIVITY:** No

**CHEMICAL STABILITY:** Stable.

**POSSIBILITY OF HAZARDOUS REACTIONS:** Polymerization will not occur.

**CONDITIONS TO AVOID:** None known.

**INCOMPATIBLE MATERIALS:** Acids, strong oxidizers.

**HAZARDOUS DECOMPOSITION PRODUCTS:** None known.

---

## 11. TOXICOLOGICAL INFORMATION

**ROUTES OF ENTRY:** Skin.

**ACUTE TOXICITY (ATE)**

**DERMAL LD<sub>50</sub>:** > 2,000

**ORAL LD<sub>50</sub>:** > 2,000

**INHALATION LC<sub>50</sub>:** Insufficient data available.

**CHRONIC TOXICITY**

**TARGET ORGANS:** No data available.

**SENSITIZATION:** Insufficient data available.

**CARCINOGENICITY**

**IARC:** Not listed as a carcinogen.

**NTP:** Not listed as a carcinogen.

**OSHA:** Not listed as a carcinogen.

**OTHER:** Not applicable.

**OTHER:** No data available.

**REPRODUCTIVE EFFECTS:** No data available.

**MUTAGENICITY:** Non mutagenic.

**SYNERGISTIC MATERIALS:** None known.

**POTENTIAL HEALTH EFFECTS**

**EYES:** Causes serious eye damage. Corrosive.

**SKIN:** Causes severe skin burns. Corrosive.

**SKIN ABSORPTION:** Insufficient data available.

**INGESTION:** Hazardous.

**ASPIRATION HAZARD:** Insufficient data available.

**INHALATION:** Insufficient data available.

**MEDICAL CONDITIONS AGGRAVATED:** No data available.

**GENERAL COMMENTS:** Refer to Section 2 for additional information on potential health effects.

---

## 12. ECOLOGICAL INFORMATION

**ECOTOXICITY:** Slightly toxic.

**PERSISTENCE AND DEGRADABILITY:** No data available.

**BIOACCUMULATIVE POTENTIAL:** No data available.

**MOBILITY IN SOIL:** No data available.

**OTHER ADVERSE EFFECTS:** No data available.

---

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Dispose of in accordance with federal, state and local regulations.

**EMPTY CONTAINER:** Not applicable.

**RCRA/EPA WASTE INFORMATION:** Contains material(s) that are corrosive wastes as defined by RCRA.

---

## 14. TRANSPORT INFORMATION

### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Corrosive Liquid, NOS

**TECHNICAL NAME(S):** Sodium Hydroxide

**PRIMARY HAZARD CLASS/DIVISION:** 8

**UN/NA NUMBER:** UN1760

**PACKING GROUP:** II

**LABEL:** Corrosive.

**REPORTABLE QUANTITY (RQ) UNDER CERCLA:** >500 gals

**OTHER SHIPPING INFORMATION:** Not applicable.

### CANADA TRANSPORT OF DANGEROUS GOODS

**PROPER SHIPPING NAME:** Corrosive Liquid, NOS

**TECHNICAL NAME(S):** Sodium Hydroxide

**PRIMARY HAZARD CLASS/DIVISION:** 8

**UN/NA NUMBER:** UN1760

**PACKING GROUP:** II

**LABEL:** Corrosive.

**OTHER SHIPPING INFORMATION:** Not applicable.

### AIR (ICAO/IATA)

**PROPER SHIPPING NAME:** Corrosive Liquid, NOS

**TECHNICAL NAME(S):** Sodium Hydroxide

**PRIMARY HAZARD CLASS/DIVISION:** 8

**UN/NA NUMBER:** UN1760

**PACKING GROUP:** II

**LABEL:** Corrosive.

**PLACARDS:** Consult applicable regulations governing air shipments.

**IATA NOTE:** Consult applicable regulations on packaging requirements and quantity limitations.

## 15. REGULATORY INFORMATION

### UNITED STATES

#### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

##### 311/312 HAZARD CATEGORIES:

**FIRE:** No. **PRESSURE GENERATING:** No. **REACTIVITY:** No. **ACUTE:** Yes.  
**CHRONIC:** No.

**313 REPORTABLE INGREDIENTS:** None.

#### CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

**CERCLA RQ:** Not applicable.

**REPORTABLE SPILL QUANTITY:** >500 gal

**RCRA STATUS:** See section 13.

### MEXICO

Regulated for transportation.

### STATE REGULATIONS

#### MASSACHUSETTS

Contains one or more substances regulated by the Massachusetts Substance List.

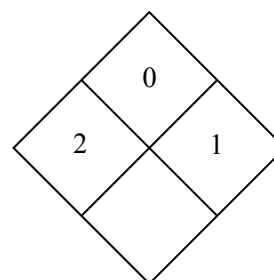
#### CALIFORNIA

**PROPOSITION 65 STATEMENT:** This product contains no ingredients known to the state of California to cause cancer, birth defects, or other reproductive harm.

## 16. OTHER INFORMATION

HMIS RATINGS	
HEALTH:	2
FLAMMABILITY:	0
REACTIVITY:	1
PERSONAL PROTECTION:	H

### NFPA RATINGS



**SDS Revision Date:** August 10, 2017