

# SAFETY DATA SHEET

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## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** FLEX Built Detergent

**OTHER MEANS OF IDENTIFICATION:** Not applicable.

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

**PRODUCT DESCRIPTION:** Laundry Detergent

### MANUFACTURER

R. R. Street & Co. Inc.

184 Shuman Boulevard/Suite 150

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

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## 2. HAZARDS IDENTIFICATION

### GHS CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Skin Corrosion/Irritation: Category 2

Sensitization – Skin: Category 1

Eye Damage/Irritation: Category 1

Carcinogenicity: Category 2

### GHS LABEL ELEMENTS

**Symbol(s):**



**Signal Word:** Danger

### Hazard Statements:

H315 – Causes skin irritation.

H317 – May cause an allergic skin reaction.

H318 – Causes serious eye damage.

H351 – Suspected of causing cancer.

### Precautionary Statements:

P201 – Obtain special instructions before use.

P202 – Do not handle until all safety precautions have been read and understood.

P261 – Avoid breathing dust/fume/gas/mist/vapors/spray.

P264 – Wash skin thoroughly after handling.

P272 – Contaminated work clothing should not be allowed out of the workplace.

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

P302+P352 – IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338+P310 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

P308+P313 – IF exposed or concerned: Get medical advice/attention.

P333+P313 – If skin irritation or rash occurs: Get medical advice/attention.

P362+P364 – Take off contaminated clothing and wash before reuse.

P501 – Dispose of contents/container in accordance with local/regional/national/international regulations.

**Other Hazards:** Not available.

**Unknown Acute Toxicity:** 16% of the mixture consists of ingredient(s) of unknown acute toxicity.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

The specific identities of one or more components of this product are withheld as a trade secret.

<u>Chemical Name</u>	<u>Wt. %</u>	<u>CAS#</u>
Trade Secret #1	-	-
Trade Secret #2	-	-
Trade Secret #3	-	-
Trade Secret #4	-	-
Triethanolamine dodecylbenzene sulfonate	1 - 5	25155-30-0
Sodium hydroxide	1 - 5	1310-73-2
Hexylene glycol	1 - 5	107-41-5
Diethanolamine	< 1	111-42-2

**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:** Irritation, pain, burning sensation, watering, redness, swelling, blurred vision.

**SKIN:** Irritation, burning sensation, pain, redness, swelling, drying, cracking, blistering.

**SKIN ABSORPTION:** No data available.

**INGESTION:** May cause nausea, vomiting, diarrhea, gastrointestinal irritation, disturbances of consciousness.

**INHALATION:** Irritation to respiratory tract, sore throat, coughing.

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

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## 5. FIRE FIGHTING MEASURES

**FLAMMABLE CLASS:** Not applicable.

**EXTINGUISHING MEDIA:** Carbon dioxide, dry chemical, foam, water spray or fog.

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

**FIRE FIGHTING EQUIPMENT:** Not applicable.

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## 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Clean up spill with absorbent material and water, if necessary.

**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 to sewer. Avoid contamination of ground and surface waters.

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## 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.

**ELECTROSTATIC ACCUMULATION HAZARD:** Not applicable.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**EXPOSURE GUIDELINES:**

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

	<u>EXPOSURE LIMITS</u>					
	<u>OSHA PEL</u>		<u>ACGIH TLV</u>		<u>Supplier OEL</u>	
	<u>ppm</u>	<u>mg/m<sup>3</sup></u>	<u>ppm</u>	<u>mg/m<sup>3</sup></u>	<u>ppm</u>	<u>mg/m<sup>3</sup></u>
Trade Secret #1	<b>TWA</b>	NE <sup>[1]</sup>			NE	
	<b>STEL</b>	NE			NE	
Trade Secret #2	<b>TWA</b>	NE			NE	
	<b>STEL</b>	NE			NE	
Trade Secret #3	<b>TWA</b>	NE			NE	
	<b>STEL</b>	NE			NE	
Trade Secret #4	<b>TWA</b>	NE			NE	
	<b>STEL</b>	NE			NE	
Triethanolamine dodecylbenzene sulfonate	<b>TWA</b>	NE			NE	
	<b>STEL</b>	NE			NE	

Sodium Hydroxide	<b>TWA</b> NE 2 NE
	<b>STEL</b> NE NE
Hexylene Glycol	<b>TWA</b> NE 50
	<b>STEL</b> NE 25
Diethanolamine	<b>TWA</b> NE NE <sup>[2][3]</sup>
	<b>STEL</b> NE NE

**TABLE FOOTNOTES:**

1. NE=Not established.
2. Confirmed animal carcinogen with unknown relevance to humans.
3. Skin notation.

**The specific identities of one or more components of this product are withheld as a trade secret.**

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

**PERSONAL PROTECTIVE EQUIPMENT**

**EYES AND FACE:** Safety glasses with side shields, or goggles.

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

**RESPIRATORY:** None required under normal conditions.

**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:** Fluorescent.

**PHYSICAL STATE:** Liquid.

**COLOR:** Light yellow.

**ODOR:** Lemon/citrus.

**ODOR THRESHOLD:** No data available.

**pH:** 11-12 (neat)

**FREEZING POINT:** No data available.

**INITIAL BOILING POINT:** No data available.

**FLASHPOINT:** >110°C (230°F) (PM).

**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:** 1.03

**SOLUBILITY IN WATER:** Miscible.

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

**AUTOIGNITION TEMPERATURE:** Not available.

**DECOMPOSITION TEMPERATURE:** No data available.

**VISCOSITY:** 67 sec, Zahn #1

**PERCENT VOLATILE:** ~60

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## 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 and strong oxidizers.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Burning produces toxic, irritating vapors.

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## 11. TOXICOLOGICAL INFORMATION

**ROUTES OF ENTRY:** Inhalation, and skin.

### ACUTE TOXICITY (ATE)

**DERMAL LD<sub>50</sub>:** Insufficient data available.

**ORAL LD<sub>50</sub>:** Insufficient data available.

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

### CHRONIC TOXICITY

**TARGET ORGANS:** Components of this product caused liver and/or kidney effects in lab animals; the relevance to humans is unknown.

**SENSITIZATION:** Insufficient data available.

### CARCINOGENICITY

**IARC:** A trace component of this product is classified as Group 2B (Possibly carcinogenic to humans).

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

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

**OTHER:** ACGIH: See section 8.

**OTHER:** No data available.

**REPRODUCTIVE EFFECTS:** A component of this product causes fetotoxicity in animals at doses which are maternally toxic.

**MUTAGENICITY:** Insufficient data available.

**SYNERGISTIC MATERIALS:** None known.

### POTENTIAL HEALTH EFFECTS

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

**SKIN** Prolonged or repeated contact may cause dermatitis.

**SKIN ABSORPTION:** Insufficient data available.

**INGESTION:** Harmful if swallowed. May cause burns to mouth, throat, stomach, and bleeding of the gastrointestinal tract.

**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.

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**12. ECOLOGICAL INFORMATION**

**ECOTOXICITY:** A component of this product has moderate aquatic toxicity.

**PERSISTENCE AND DEGRADABILITY:** Insufficient data available.

**BIOACCUMULATIVE POTENTIAL:** No data available.

**MOBILITY IN SOIL:** Some components of this product have high mobility.

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

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**13. DISPOSAL CONSIDERATIONS**

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

**EMPTY CONTAINER:** Not applicable.

**RCRA/EPA WASTE INFORMATION:** Contains no material listed by RCRA as a hazardous waste.

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**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:** III

**LABEL:** Corrosive. Cases of 4 one-gallon jugs are Limited Quantities. No Corrosive (Class 8) label required when shipped by ground.

**REPORTABLE QUANTITY (RQ) UNDER CERCLA:** >10,000 gal

**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:** III

**LABEL:** Corrosive. Cases of 4 one-gallon jugs are Limited Quantities. No Corrosive (Class 8) label required when shipped by ground.

**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:** III

**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:** Yes.

**313 REPORTABLE INGREDIENTS:** None.

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

**CERCLA RQ:** >80,000 lbs

**REPORTABLE SPILL QUANTITY:** >10,000 gal

**RCRA STATUS:** See section 13.

**MEXICO**

Regulated for transportation.

**STATE REGULATIONS****MASSACHUSETTS**

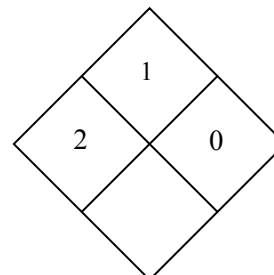
Contains one or more substances regulated by the Massachusetts Substance List.

**CALIFORNIA**

**PROPOSITION 65 STATEMENT:** This product contains a small amount of diethanolamine, which is on the Proposition 65 list of chemicals known to the State of California to cause cancer.

**16. OTHER INFORMATION**

<b>HMIS RATINGS</b>	
HEALTH:	2
FLAMMABILITY:	1
REACTIVITY:	0
PERSONAL PROTECTION:	B

**NFPA RATINGS**

**SDS Revision Date:** January 29, 2020