

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: FLEX Spirit Detergent

GENERAL USE: For professional laundry use only.

PRODUCT DESCRIPTION: Powder 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

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Skin Corrosion/Irritation: Category 1B

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 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.

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

Chemical Name	Wt.%	CAS#
Sodium carbonate	25 - 35	497-19-8
Sodium chloride	15 - 25	7647-15-5
Sodium metasilicate	10 - 20	6834-92-0
Sodium percarbonate	10 - 20	15630-89-4
Isotridecanol, ethoxylated	1 - 5	68439-45-2
Benzenesulfonic acid	1 - 5	94187-92-5

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. Flush skin with plenty of water. Consult a physician if irritation persists.

INGESTION: Wash out mouth with water. Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician. Dilute by drinking milk or water if tolerable.

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.

SKIN: Caustic burns/corrosion of the skin.

SKIN ABSORPTION: Insufficient data available.

INGESTION: Vomiting. Diarrhea. Burns to the gastric/intestinal mucosa.

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: Fire fighters should wear appropriate protective equipment and SCBA with a full face piece operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Sweep up and place in a closed container for disposal.

LARGE SPILL: Contain spill. Sweep up, observing precautions in the Exposure Controls / Personal Protection section (see section 8), and 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. Instruct personnel about proper use, hazards, precautions, and first aid measures. Avoid contact with eyes. Do not taste or swallow. Handle carefully to avoid damaging container.

STORAGE: Store in labeled, tightly sealed containers, Storage at ambient temperatures in a dry area out of direct sunlight. Protect from freezing. Rotate stock regularly. Keep away from food and drink. Store locked up. Keep out of reach of children.

ELECTROSTATIC ACCUMULATION HAZARD: Not applicable.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

	EXPOSURE LIMITS					
	OSHA PEL		ACGIH TLV		Supplier OEL	
	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³
Sodium carbonate	TWA	NE		NE		
	STEL	NE		NE		
Sodium metasilicate pentahydrate	TWA	NE		NE		
	STEL	NE		NE		
Sodium percarbonate	TWA	NE		NE		
	STEL	NE		NE		
Isotridecanol, ethoxylated	TWA	NE		NE		
	STEL	NE		NE		
Benzenesulfonic acid	TWA	NE		NE		
	STEL	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: Powder.

PHYSICAL STATE: Solid.

COLOR: White with blue specks.

ODOR: Mild. Fresh linen.

ODOR THRESHOLD: No data available.

pH: 11-12 (concentrated)

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.

FLAMMABLE LIMITS: No data available.

VAPOUR PRESSURE: No data available.

VAPOR DENSITY: No data available.

RELATIVE DENSITY: 1.1

SOLUBILITY IN WATER: Completely soluble.

PARTITION COEFFICIENT (Log K_{ow}): No data available.

AUTOIGNITION TEMPERATURE: Not available.

DECOMPOSITION TEMPERATURE: No data available.

VISCOSITY: No data available.

PERCENT VOLATILE: No data available

10. STABILITY AND REACTIVITY

REACTIVITY: No dangerous reactions known.

CHEMICAL STABILITY: Stable.

POSSIBILITY OF HAZARDOUS REACTIONS: Polymerization will not occur.

CONDITIONS TO AVOID: Temperatures below 35°F (1.6°C) or above 120°F (49°C).

INCOMPATIBLE MATERIALS: Mixing with other chemicals. Mix only with water.

HAZARDOUS DECOMPOSITION PRODUCTS: None under normal conditions.

11. TOXICOLOGICAL INFORMATION

ROUTES OF ENTRY: Eyes, skin, ingestion, inhalation.

ACUTE TOXICITY (ATE)

DERMAL LD₅₀: Insufficient data available.

ORAL LD₅₀: > 1,700 mg/kg (rat)

INHALATION LC₅₀: 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: No data available.

SYNERGISTIC MATERIALS: None known.

POTENTIAL HEALTH EFFECTS

EYES: Causes serious eye damage.

SKIN: Causes severe skin burns. Corrosive.

SKIN ABSORPTION: Insufficient data available.

INGESTION: Causes severe burns and serious damage to mouth, throat and stomach..

ASPIRATION HAZARD: Insufficient data available.

INHALATION: May cause damage to respiratory system.

MEDICAL CONDITIONS AGGRAVATED: May aggravate pre-existing skin disorders and pulmonary disease.

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

12. ECOLOGICAL INFORMATION

ECOTOXICITY: No data available.

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. Consult State and local authorities for restrictions on disposal of chemical waste. Manage chemical wastes through an approved waste treatment facility.

EMPTY CONTAINER: Do not reuse empty container. Rinse empty container thoroughly with water before discarding container in accordance with current local community codes. Please recycle empty container whenever possible.

RCRA/EPA WASTE INFORMATION: Concentrated waste may be corrosive as defined by RCRA.

14. TRANSPORT INFORMATION**DOT (DEPARTMENT OF TRANSPORTATION)**

PROPER SHIPPING NAME: Not regulated.

OTHER SHIPPING INFORMATION: Not applicable.

CANADA TRANSPORT OF DANGEROUS GOODS

PROPER SHIPPING NAME: Not regulated.

OTHER SHIPPING INFORMATION: Not applicable.

AIR (ICAO/IATA)

PROPER SHIPPING NAME: Not regulated.

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:** Corrosive.**REPORTABLE SPILL QUANTITY:** Not applicable**RCRA STATUS:** See section 13.**MEXICO**

Not regulated for transportation.

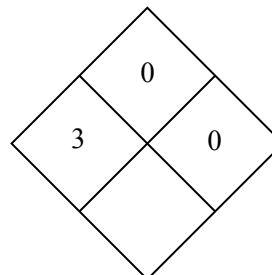
STATE REGULATIONS**MASSACHUSETTS**

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:	3
FLAMMABILITY:	0
REACTIVITY:	0
PERSONAL PROTECTION:	B

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