

# SAFETY DATA SHEET

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** FLEX ADVANCE

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

**GENERAL USE:** For professional/industrial use only.

**PRODUCT DESCRIPTION:** Highly Concentrated Bathroom Cleaner

### 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

Corrosive to Metals: Category 1

Skin Corrosion/Irritation: Category 1

Eye Damage/Irritation: Category 1

### GHS LABEL ELEMENTS

**Symbol(s):**



**Signal Word:** Danger

### Hazard Statements:

H290 – May be corrosive to metals.

H314 – Causes severe skin burns and eye damage.

### Precautionary Statements:

P234 – Keep only in original container.

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): 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.

P363 – Wash contaminated clothing before reuse.

P390 – Absorb spillage to prevent material damage.

P406 – Store in corrosive resistant container with a resistant inner liner.

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

**Other Hazards:** Not available.

**Unknown Acute Toxicity:** Not applicable.

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### 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	-	

**COMMENTS:** None.

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### 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 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, redness.

**SKIN:** Irritation, pain, redness, blistering.

**SKIN ABSORPTION:** Insufficient data available.

**INGESTION:** Gastrointestinal irritation, nausea.

**INHALATION:** May cause respiratory irritation.

**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:** Use media applicable to surrounding fire.

**HAZARDOUS COMBUSTION PRODUCTS:** Corrosive acid fumes.

**FIRE FIGHTING EQUIPMENT:** Fire fighters should wear appropriate protective equipment and SCBA with a full facepiece operated in positive pressure mode.

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### 6. ACCIDENTAL RELEASE MEASURES

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

**LARGE SPILL:** Evacuate the area. Provide plenty of fresh air. 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.

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## 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Keep out of reach of children. Keep away from food and drink.

**HANDLING:** Follow all SDS/label precautions even after container is emptied because it may retain product residues. Do not reuse empty container. Avoid contact with eyes. Handle carefully to avoid damaging container.

**STORAGE:** Store in labeled, tightly sealed containers in a dry area out of direct sunlight. Protect from freezing.

**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>	1		1		
	<b>STEL</b>	NE <sup>[1]</sup>		3		
Trade Secret #2	<b>TWA</b>	C 5	C 7	C 2 <sup>[2]</sup>		
	<b>STEL</b>	NE	NE	NE		

### TABLE FOOTNOTES

1. NE = Not Established.
2. A4: Not classifiable as a human carcinogen.

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

**ENGINEERING CONTROLS:** Not applicable.

### PERSONAL PROTECTIVE EQUIPMENT

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

**SKIN:** Neoprene, Barrier™, or other caustic resistant 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.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Clear.

**PHYSICAL STATE:** Liquid.

**COLOR:** Green.

**ODOR:** Acidic/Mint.

**ODOR THRESHOLD:** No data available.

**pH:** 1-2

**FREEZING POINT:** No data available.

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

**FLASHPOINT:** Not applicable.

**EVAPORATION RATE:** No data available.

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

**FLAMMABLE LIMITS:** Not applicable.

**VAPOR PRESSURE:** No data available.

**VAPOR DENSITY:** No data available.

**RELATIVE DENSITY:** 1.1

**SOLUBILITY IN WATER:** Miscible.

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

**AUTOIGNITION TEMPERATURE:** No data available.

**DECOMPOSITION TEMPERATURE:** No data available.

**VISCOSITY:** No data available.

**PERCENT VOLATILE:** No data available.

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## 10. STABILITY AND REACTIVITY

**REACTIVITY:** No.

**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). Direct mixing with other chemicals.

**INCOMPATIBLE MATERIALS:** Sodium hypochlorite (chlorine bleach). Mix only with water.

**HAZARDOUS DECOMPOSITION PRODUCTS:** None under normal conditions.

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## 11. TOXICOLOGICAL INFORMATION

**ROUTES OF EXPOSURE:** Eyes, skin and inhalation.

**ACUTE TOXICITY (ATE)**

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

**ORAL LD<sub>50</sub>:** > 700 mg/kg (rat)

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

**CHRONIC TOXICITY**

**TARGET ORGANS:** Insufficient data available.

**SENSITIZATION:** No.

**CARCINOGENICITY**

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

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

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

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

**OTHER:** No data available.

**REPRODUCTIVE EFFECTS:** None reported.

**MUTAGENICITY:** None reported.

**SYNERGISTIC MATERIALS:** No data available.

**POTENTIAL HEALTH EFFECTS**

**EYES:** Corrosive to eyes. Causes serious eye damage, burns, and blindness.

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

**SKIN ABSORPTION:** Insufficient data available.

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

**ASPIRATION HAZARD:** No.

**INHALATION:** May cause damage to respiratory system.

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

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

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**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.

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**13. DISPOSAL CONSIDERATIONS**

**DISPOSAL METHOD:** Recovered liquids may be sent to a licensed reclaimer or incineration facility. Contaminated material must be disposed of in a permitted waste management facility. Consult federal, state, and local authorities for approved procedures.

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

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

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

**TECHNICAL NAME(S):** Phosphoric acid and hydrochloric acid

**PRIMARY HAZARD CLASS/DIVISION:** 8

**UN/NA NUMBER:** UN1760

**PACKING GROUP:** II

**LABEL:** Corrosive.

**REPORTABLE QUANTITY (RQ) UNDER CERCLA:** >1,000 gals

**OTHER SHIPPING INFORMATION:** Not applicable.

**CANADA TRANSPORT OF DANGEROUS GOODS**

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

**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):** Phosphoric acid and hydrochloric acid

**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:** Phosphoric acid and hydrochloric acid have RQs of 5,000 lbs.

**REPORTABLE SPILL QUANTITY:** >1,000 gals.

**RCRA STATUS:** See section 13.

### MEXICO

Regulated for transportation.

### STATE REGULATIONS

#### MASSACHUSETTS

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

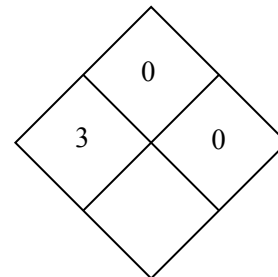
#### CALIFORNIA

**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:	3
FLAMMABILITY:	0
REACTIVITY:	0
PERSONAL PROTECTION:	H

### NFPA RATINGS



**SDS Revision Date:** October 26, 2018