

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: FLEX Concentrated Lemo-Pure

OTHER MEANS OF IDENTIFICATION: Not applicable.

GENERAL USE: For professional/industrial use only.

PRODUCT DESCRIPTION: Disinfectant

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 2

Eye Damage/Irritation: Category 1

GHS LABEL ELEMENTS

Symbol(s):



Signal Word: Danger

Hazard Statements:

H315 – Causes skin irritation.

H318 – Causes serious eye damage.

Precautionary Statements:

P264 – Wash skin thoroughly after handling.

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 present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.

P332+P313 – If skin irritation 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: Not applicable.

3. COMPOSITION / INFORMATION ON INGREDIENTS

The specific identity 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	-	-

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: Causes severe irritation experienced as discomfort or pain, excess blinking and tear production, with redness and swelling of the conjunctiva.

SKIN: Brief contact may cause slight irritation. Prolonged contact may cause more severe irritation with pain, and local redness and swelling.

SKIN ABSORPTION: No data available

INGESTION: May cause headache, dizziness, incoordination, nausea, vomiting, diarrhea and general weakness.

INHALATION: High vapor concentrations may cause respiratory tract irritation.

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: Use water spray, fog or foam.

HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide, carbon monoxide.

FIRE FIGHTING EQUIPMENT: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

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

LARGE SPILL: Contain spill. Evacuate area. Avoid breathing vapor or mist. 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.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Read label and SDS before use. 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. Avoid contact with eyes and skin. Handle carefully to avoid damaging container.

STORAGE: Store in labeled, tightly sealed containers in a cool, dry place. Protect from freezing.

ELECTROSTATIC ACCUMULATION HAZARD: Not applicable.

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/m³</u>	<u>ppm</u>	<u>mg/m³</u>	<u>ppm</u>	<u>mg/m³</u>
Trade Secret #1	TWA	NE ^[1]			NE	
	STEL	NE			NE	
Trade Secret #2	TWA	NE			NE	
	STEL	NE			NE	
Trade Secret #3	TWA	NE			NE	
	STEL	NE			NE	

TABLE FOOTNOTES:

1. NE=Not established.

The specific identity 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. When respiratory protection is required use an organic vapor cartridge. A respiratory program that meets OSHA's 29 CFR 1910.34 & ANSI Z88.2 requirements must be followed.

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: Yellow.

ODOR: Lemon.

ODOR THRESHOLD: No data available.

pH: 11.5-12.2

FREEZING POINT: No data available.

INITIAL BOILING POINT: No data available.

FLASHPOINT: None.

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: 1.04

SOLUBILITY IN WATER: Miscible.

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

AUTOIGNITION TEMPERATURE: Not available.

DECOMPOSITION TEMPERATURE: No data available.

VISCOSITY: No data available.

PERCENT VOLATILE: Contains no VOC.

10. STABILITY AND REACTIVITY

REACTIVITY: No dangerous reactions known.

CHEMICAL STABILITY: Stable.

POSSIBILITY OF HAZARDOUS REACTIONS: Polymerization will not occur.

CONDITIONS TO AVOID: High temperatures.

INCOMPATIBLE MATERIALS: Acids and strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: Not applicable.

11. TOXICOLOGICAL INFORMATION

ROUTES OF ENTRY: Inhalation, eyes and skin.

ACUTE TOXICITY (ATE)

DERMAL LD₅₀: > 5,000 mg/kg (rabbit/rat).

ORAL LD₅₀: > 5,000 mg/kg (rat).

INHALATION LC₅₀: Insufficient data available.

CHRONIC TOXICITY

TARGET ORGANS: No data available.

SENSITIZATION: No.

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: None known.

MUTAGENICITY: Not mutagenic.

SYNERGISTIC MATERIALS: No data available.

POTENTIAL HEALTH EFFECTS

EYES: May cause severe damage.

SKIN: No data available.

SKIN ABSORPTION: No data available.

INGESTION: May cause vomiting.

ASPIRATION HAZARD: No.

INHALATION: No data available.

MEDICAL CONDITIONS AGGRAVATED: Pre-existing conditions of the skin and respiratory system may be aggravated.

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

12. ECOLOGICAL INFORMATION

ECOTOXICITY: Some components of this product are highly to extremely toxic to aquatic organisms.

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 no material listed by RCRA as a hazardous waste.

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

PROPER SHIPPING NAME: Disinfectants, Liquid, Corrosive, NOS

TECHNICAL NAME(S): Quaternary Ammonium Chlorides

PRIMARY HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: UN1903

PACKING GROUP: III

LABEL Corrosive

OTHER SHIPPING INFORMATION: This product may be shipped as a Limited Quantity in inner packages of 5 L or less and package limit of 30 kg when shipped by ground.

CANADA TRANSPORT OF DANGEROUS GOODS

PROPER SHIPPING NAME: Disinfectants, Liquid, Corrosive, NOS

TECHNICAL NAME(S): Quaternary Ammonium Chlorides

PRIMARY HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: UN1903

PACKING GROUP: III

LABEL Corrosive

OTHER SHIPPING INFORMATION: No data available.

AIR (ICAO/IATA)

PROPER SHIPPING NAME: Disinfectants, Liquid, Corrosive, NOS

TECHNICAL NAME(S): Quaternary Ammonium Chlorides

PRIMARY HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: UN1903

PACKING GROUP: III**LABEL** Corrosive**PLACARD:** Consult applicable regulations**IATA NOTE:** Consult applicable regulations on packaging requirements and quantity limitations.**15. REGULATORY INFORMATION****UNITED STATES****FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act)**

EPA Registration Number: 3862-53-92400.

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals.

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:** Not applicable.**RCRA STATUS:** See section 13.**MEXICO**

Regulated for transportation

STATE REGULATIONS**MASSACHUSETTS**

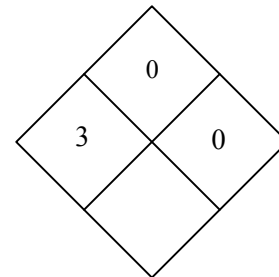
Contains no substances regulated by the Massachusetts Substance List.

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:** November 16, 2018