

MATERIAL SAFETY DATA SHEET

SECTION I

COMPONENT NAME: LogEsol II POWDER SYSTEM CLEANER

CATALOGUE NUMBER(S): L80600006

MANUFACTURER: *fr Chemical, Inc.*

524 South Columbus Avenue Mt. Vernon, NY 10550

PRODUCT INFORMATION: (914)-667-2447

EFFECTIVE DATE OF MSDS: 1/5/98

EXPOSURE or ACCIDENT EMERGENCY: CHEMTREC (800) 424-9300

SECTION II: COMPONENT AND REGULATORY INFORMATION

COMPONENTS(REGULATORY LISTS)	CAS REG #	OSHA PEL	ACGIH TLV	% WT
<i>Citric Acid</i>	<i>77-92-9</i>	<i>N/A</i>	<i>N/A</i>	<i>40-70</i>
<i>Potassium Peroxysulfate</i>	<i>70693-62-8</i>	<i>N/A</i>	<i>N/A</i>	<i>40-70</i>

REGULATORY LISTS FOR APPLICABLE COMPONENTS

A — CERCLA HAZARDOUS SUBSTANCE LIST

B — SARA TITLE III EXTREMELY HAZARDOUS SUBSTANCE LIST (SECTION 302)

C — SARA TITLE III TOXIC CHEMICAL SUBSTANCE LIST (SECTION 313)

D — CALIFORNIA (PROP. 65) LIST OF CANCER CAUSING SUBSTANCES

E — RESOURCE CONSERVATION AND RECOVERY ACT HAZARDOUS WASTE LIST

NFPA RATING: HEALTH — 2 FLAMMABILITY — 0 REACTIVITY — 1

SECTION III: PHYSICAL DATA

pH: **SPECIFIC GRAVITY:** **SOLUBILITY IN WATER:** *Completely soluble.*
BOILING POINT: *Decomposes* **EVAPORATION RATE:** *Not Available*
VOLATILE ORGANIC CONTENT: *0 Lbs/Gallon* **VAPOR PRESSURE:** *Not Available*
%VOLATILITY (as Water): *Non-Volatile* **VAPOR DENSITY:** *Not Available*
APPEARANCE AND ODOR: *Free flowing white powder*

SECTION IV: FIRE AND EXPLOSION DATA

FLASH POINT (METHOD USED): *None*

FLAMMABLE LIMITS — LOWER EXPOSURE LIMIT: *N/A* **UPPER EXPOSURE LIMIT:** *N/A*

EXTINGUISHING MEDIA: *Any applicable to the primary cause of fire.*

SPECIAL FIREFIGHTING PROCEDURES: *Evacuate personnel to a safe area. Firefighters should wear self-contained breathing apparatus.*

UNUSUAL FIRE HAZARDS: *Grinding or excessive mixing may ignite the material.*

SECTION V: REACTIVITY

STABILITY: *Stable*

CONDITIONS TO AVOID: *None*

INCOMPATIBILITY (AVOID): *Heavy Metal Salts, Nickel, and Copper*

HAZARDOUS DECOMPOSITION PRODUCTS: *Release of oxygen.*

POLYMERIZATION: *Does not polymerize.*

CONDITIONS TO AVOID: *None*

SECTION VI: SPILL AND WASTE DISPOSAL INFORMATION

**** SPILLS ****

Use appropriate protective equipment. Sweep the spill into a waste container. Prevent powder from entering sewers or waterways. Dispose of in accordance with Federal, State, and Local Regulations.

**** WASTE DISPOSAL ****

Discharge to sewer requires the approval of permitting authority and may require pretreatment. Treatment, storage, transportation, and disposal must be in accordance with Federal, State, and Local Regulations.

SECTION VII: HEALTH HAZARDS AND FIRST AID INFORMATION

**** HEALTH HAZARDS ****

EYE CONTACT: May cause irritation and damage to tissue.

SKIN CONTACT: May cause irritation.

INGESTION: May cause irritation or corrosion to digestive tract.

INHALATION: May cause irritation to nasal mucous membranes or respiratory tract.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: No medical conditions known to be aggravated by exposure to this product.

CARCINOGENICITY: None of the chemicals used in this product are listed on NTP, IARC, or OSHA listings of human carcinogens

**** FIRST AID ****

EYE: Irrigate with water for 15 minutes. Contact a physician.

SKIN: Wash with copious amounts of water and soap for at least 15 minutes.

INGESTION: Administer 2-3 glasses of water or milk. Never administer anything to an unconscious person. Contact a physician immediately.

INHALATION: Remove victim to fresh air. If adverse symptoms persist, contact a physician.

SECTION VIII: SPECIAL PROTECTION INFORMATION

VENTILATION: Air-Borne Concentrations of applicable components should not exceed the PEL or TLV for applicable chemicals listed in Section II.

PROTECTIVE EQUIPMENT RECOMMENDED: Chemical splash goggles, latex or neoprene gloves, lab coat, dust mask, and eye wash station. For poorly ventilated areas a NIOSH cartridge respirator is recommended.

SECTION IX: SPECIAL PRECAUTIONS

STORAGE and HANDLING PRECAUTIONS: Store in a well ventilated area. Keep container tightly capped when not in use. Do not store food, drink, or tobacco in areas where contamination could occur with this product.

OTHER PRECAUTIONS: Avoid breathing dusts. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Do not take internally. Keep out of reach of children.