

MATERIAL SAFETY DATA SHEET

SECTION I

COMPONENT NAME: LogEsol DEVELOPER SYSTEM CLEANER PART B

CATALOGUE NUMBER(S): L80600000—B

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 I	OSHA PEL	ACGIH TLV	%WT
<i>Water</i>	<i>7732-18-5</i>	<i>N/A</i>	<i>N/A</i>	<i>60-100</i>
<i>** Sulfuric Acid (A,B,C)</i>	<i>7664-93-9</i>	<i>(TWA) 1 mg/m3</i>	<i>(TWA) 1 mg/m3</i>	<i>15-40</i>

***COMPONENT SUBJECT TO REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT TO KNOW ACT OF 1986 (40 CFR 372).*

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 — 3 FLAMMABILITY — 0 REACTIVITY — 1

SECTION III: PHYSICAL DATA

pH: *1.3* **SPECIFIC GRAVITY:** *1.20* **SOLUBILITY IN WATER:** *Completely soluble.*
BOILING POINT: *Approx. 212 F* **EVAPORATION RATE:** *Not Available*
VOLATILE ORGANIC CONTENT: *0 Lbs/Gallon* **VAPOR PRESSURE:** *Not Available*
%VOLATILITY (as Water): *60-100 as Water.* **VAPOR DENSITY:** *Not Available*
APPEARANCE AND ODOR: *Clear, colorless, odorless solution.*

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: *Elevated temperatures can produce sulfuric acid mists.*

SECTION V: REACTIVITY

STABILITY: *Stable*

CONDITIONS TO AVOID: *None*

INCOMPATIBILITY (AVOID): *Oxidizers and alkalis.*

HAZARDOUS DECOMPOSITION PRODUCTS: *Sulfur trioxide gas*

POLYMERIZATION: *Does not polymerize.*

CONDITIONS TO AVOID: *None*

SECTION VI: SPILL AND WASTE DISPOSAL INFORMATION

***** SPILLS *****

Use appropriate protective equipment. Dike the spill and soak up with absorbant material. Prevent liquid 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 pre-treatment. 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: *Irritation and burning with discomfort, tearing, or blurring of vision. Higher exposure may result in eye corrosion, with corneal or conjunctival ulceration.*

SKIN CONTACT: *Irritation. Higher exposure may lead to burns and ulcerations.*

INGESTION: *Burning to mouth, throat, and gastrointestinal tract. May cause nausea, vomiting, and purging.*

INHALATION: *Inhalation of mists may result in temporary lung irritation effects with cough, discomfort, difficulty in breathing or shortness of breath.*

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: *None. Respiratory System, lungs, eyes, skin, teeth, and kidneys are possible target organs.*

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

***** FIRST AID *****

EYE: *Flush eyes with water for at least 15 minutes. Obtain medical attention.*

SKIN: *Wash the effected area thoroughly. Remove contaminated clothing. Wash before re-use.*

INGESTION: *If conscious, give 2 glasses of water. Do not induce vomiting. Obtain prompt medical attention.*

INHALATION: *Remove to fresh air immediately. Contact a physician immediately.*

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, 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 vapors. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Do not take internally. Keep out of reach of children.*