

# MATERIAL SAFETY DATA SHEET

## SECTION I

**COMPONENT NAME:** LogEsol DEVELOPER SYSTEM CLEANER NEUTRALIZER

**CATALOGUE NUMBER(S):** L8060000—N

**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>Water</i>	7732-18-5	N/A	N/A	60-100
<i>Sodium Citrate</i>	68-04-2	N/A	N/A	10-15

### 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 — 1 FLAMMABILITY — 0 REACTIVITY — 0

## SECTION III: PHYSICAL DATA

**pH:** 8.0 **SPECIFIC GRAVITY:** 1.10 **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):** *None*

**HAZARDOUS DECOMPOSITION PRODUCTS:** *None*

**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.

**SKIN CONTACT:** Irritation.

**INGESTION:** Burning to mouth, throat, and gastrointestinal tract.

**INHALATION:** Inhalation of mists may irritate respiratory tract.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** None.

**CARCINOGENICITY:** 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