

MATERIAL SAFETY DATA SHEET

SECTION I

COMPONENT NAME: AIR TECHNIQUES XRAY DEVELOPER STARTER

CATALOGUE NUMBER(S): 40-275

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
Water	7732-18-5	N/A	N/A	60-100
Acetic Acid (A)	64-19-7	(TWA) 10 ppm	(TWA) 10 ppm	10-30
Sodium Bromide	7647-15-6	N/A	N/A	7-13

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 - 1 REACTIVITY - 0

SECTION III: PHYSICAL DATA

pH: 2.0 SPECIFIC GRAVITY: 1.19 SOLUBILITY IN WATER: *Completely soluble.*
BOILING POINT: *Approx. 212 F* EVAPORATION RATE: *Not Available*
VOLATILE ORGANIC CONTENT: *0.91 Lbs/Gallon* VAPOR PRESSURE: *Not Available*
%VOLATILITY (as Water): *60-100* VAPOR DENSITY: *Not Available*
APPEARANCE AND ODOR: *Clear colorless solution, vinegar odor*

SECTION IV: FIRE AND EXPLOSION DATA

FLASH POINT (METHOD USED): *Not Available*
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: *Excessive heat may release acetic acid vapors.*

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 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: Causes chemical burns. Vapors are irritating and cause excess blinking, tear production, and eye discomfort.

SKIN CONTACT: Causes chemical burns.

INGESTION: Burning abdominal pain, nausea, vomiting, shock state, collapse. Causes severe irritation or chemical burns of mouth, throat, esophagus, and stomach.

INHALATION: Irritation, coughing, chest pain, difficulty in breathing. Prolonged exposure to high vapor concentrations may result in the inhalation of harmful amounts of material.

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: Immediately flush the eyes with plenty of water for at least 15 minutes. Consult a physician immediately.

SKIN: Flush the exposed area immediately and remove contaminated clothing.

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

INHALATION: Remove to fresh air. If difficulty in breathing administer oxygen. If adverse effects 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, 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.