



# Material Safety Data Sheet

## Developer Starter

### SECTION I - General Information

**Product Name:** Autex<sup>®</sup> Developer Starter  
Catalog No. 29019, 29020

**Application:** Photographic Developer Starter

**Formula:** Aqueous Mixture, see below

#### **D.O.T. Shipping Information:**

|                      |                      |
|----------------------|----------------------|
| Proper Shipping Name | Acetic Acid Solution |
| Hazard Class         | 8                    |
| UN I.D. Number       | UN 2790              |
| Pkg. Group           | II                   |

#### **Manufacturer:**

**ALLIED Diagnostic Imaging Resources, Inc.**  
5440 Oakbrook Parkway  
Norcross, GA 30093

#### **Manufacturer's Phone Number:**

**(770) 448-0250**

#### **Emergency Telephone Number:**

**(800) 424-9300 (CHEMTREC)**

### SECTION II - Product and Hazardous Ingredients Information

| <u>ITEM</u>    | <u>CAS#</u> | <u>PERCENT</u> | <u>EXPOSURE LIMITS</u> |
|----------------|-------------|----------------|------------------------|
| Water          | 7732-18-5   | 80-85          | NE                     |
| Sodium Bromide | 7647-15-6   | 5-10           | NE                     |
| Acetic Acid    | 64-19-7     | 15-20          | 10 ppm (PEL)           |

NE - Not Established

### SECTION III - Physical Data

|                     |                   |
|---------------------|-------------------|
| Odor                | Vinegar Odor      |
| Form                | Clear Liquid      |
| Color               | Colorless         |
| Boiling Point       | >100° C (>212° F) |
| pH                  | 2.5               |
| Solubility in Water | 100 WT%           |
| Specific Gravity    | 1.08              |

### SECTION IV - Fire and Explosion Hazard Data

#### **Flammable Properties:**

Material is a nonflammable water-based solution.

#### **Extinguishing Media:**

Use any available extinguishing media.

#### **Special Fire Fighting Procedures:**

Normal firefighting measures include the following. Keep personnel removed and upwind of fire. Wear self-contained breathing apparatus. Wear full protective equipment. Fire or excessive heat may produce hazardous decomposition products.



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### SECTION V - Health Hazard Data

THIS PRODUCT CAN BE SAFELY USED WHEN APPLICABLE SAFETY PRECAUTIONS ARE FOLLOWED.

#### Potential Effects of Overexposure

**Inhalation:** Inhalation of mists or dried residue may cause respiratory irritation.

**Eyes:** Vapor may cause irritation. Contact may cause severe burns.

**Skin:** Repeated and prolonged contact may cause irritation and burns.

**Ingestion:** Irritating to gastrointestinal tract. May cause vomiting and diarrhea.

#### Pure Component Toxicology Information

Sodium Bromide-Ingestion of large doses of sodium bromide can cause nausea, vomiting, abdominal pain, loss of consciousness, paralysis and death. Smaller doses can cause mental confusion. Sodium bromide is a skin and eye irritant and may cause inflammation of the eyelids and conjunctiva.

Acetic Acid-Acetic acid is a skin and eye corrosive. Vapor irritates the eyes and respiratory system. Ingestion causes internal irritation and damage. The compound has been infrequently associated with skin sensitization in humans.

Carcinogenicity Information: None of the components present in this material at concentrations equal to or greater than 0.1 % are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

#### Section VI - Emergency First Aid Procedures:

**Skin:** Thoroughly wash exposed area with soap and water. Remove contaminated clothing. Launder contaminated clothing before re-use.

**Eyes:** Immediately flush with water for 15 minutes, lifting upper and lower lids occasionally. Get medical attention.

**Inhalation:** Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

**Ingestion:** All cases of ingestion should be referred immediately to a physician or Poison Control Center. Vomiting should be induced only as advised and by the means specified.

#### SECTION VII - Reactivity Data

**Stability:** Stable under normal temperatures and storage conditions.

**Incompatibility:** Incompatible with strong bases and aluminum.

**Decomposition:** Decomposes by reaction with strong bases.

**Hazardous Polymerization:** Will not occur.

#### SECTION VIII - Spill or Leak Procedures

**Steps to be Taken in Case Material is Released or Spilled:** Wear appropriate protective equipment - see Section IX. Neutralize with sodium bicarbonate. Soak up with sawdust, sand or other absorbent material.

**Waste Disposal:** Consult proper federal, state and/or local regulatory agencies to ascertain proper disposal procedures.

#### SECTION IX -Special Protection Information:

**Respiratory Protection:** Use sufficient ventilation to keep employee exposure below recommended limits. Respirators should not be needed under normal use conditions. A NIOSH / MSHA approved air purifying respirator with organic vapor with dust/mist prefilter cartridge may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. For an uncontrolled release, where exposure levels are not known, use a positive pressure air supplied respirator.

**Eye and Face Protection:** Chemical splash goggles. Where spraying or splashing is possible, use a face shield.



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**Other Protection:** Impervious Gloves (neoprene recommended). Protective clothing as necessary to prevent skin contact. Eyewash facilities in the vicinity of use.

#### **SECTION X -Special Precautions**

**Precautions to be Taken in Handling and Storage:** Do not store or consume food, drink or tobacco in surrounding area. Do not store near strong acids or bases. Wash thoroughly after use.

The information contained in this material safety data sheet is furnished without warranty of any kind. The user should consider this data a supplement to other information gathered and must make independent determination of suitability and completeness of information from this and other sources to assure proper use and disposal of the materials and the health and safety of employees and customers. This statement is incorporated as part of this Material Safety Data Sheet.

**Revised: December 9, 1999**