



# #1 Network, Inc.

## Material Safety Data Sheet

### 28097-49

#### SECTION I - General Information

**Product Name:** #1 Network Electrolytic Fixer Hardener  
Catalog No. 28097-49

**Revision Date:**  
September 18, 1999

**Chemical Family:**  
Photographic Fixer Hardener

**Formula:**  
Aqueous Mixture

**Proper D.O.T. Shipping Name:**  
Not Regulated

**D.O.T. Hazard Classification:**  
Not Applicable

**Manufacturer:**  
ALLIED Photo Products, Inc.  
5440 Oakbrook Parkway  
Norcross, GA 30093

**Manufacturer's Phone Number:**  
(770) 448-0250

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

#### SECTION II - Products and Hazardous Ingredients Information:

<u>ITEM #2102 (Part B)</u>	<u>CAS#</u>	<u>PERCENT</u>	<u>PEL (TWA)</u>	<u>SARA</u>	
				<u>RO</u>	<u>TPO</u>
Aluminum Sulfate	10043-01-3	18-22	2mg/m <sup>3</sup> -(as Al)	5000#	N/A
Sodium Gluconate	527-07-1	5-10	N/A	N/A	N/A
Acetic Acid	64-19-7	15-20	10 ppm	5000#	N/A
Water	7732-18-5	60-65	N/A	N/A	N/A
Sodium Acetate	127-09-3	1-2			

#### SECTION III - Physical Data

**Boiling Point:** >212°F  
**Vapor Pressure (mmHg):** 17.0  
**Vapor Density (mmHg):** 0.6  
**Solubility in Water:** Complete  
**Appearance and Odor:** Clear to light brown, vinegar odor

**Specific Gravity:** 1.17  
**Percent Volatile by Weight:** 45%  
**Evaporation Rate:** N/A  
**pH:** 2.3

#### SECTION IV - Fire and Explosion Hazard Data

**Flash Point:** 212°F  
**Extinguishing Media:** Use method appropriate for surrounding fire.  
**Special Fire Fighting Procedures:** Use protective clothing to prevent contact with skin and eyes.  
Wear self contained breathing apparatus.  
**Unusual Fire and Explosions Hazards:** When heated to decomposition, it can emit toxic fumes of SO<sub>2</sub> and CO.  
Reacts vigorously with oxidizing materials.

#### SECTION V - Health Hazard Data

**TLV (ACGIH):** Acetic Acid (25mg/m<sup>3</sup>), Aluminum Sulfate (2mg/m<sup>3</sup>-as Al).

#### Effects of Overexposure:

**Inhalation:** Low hazard for ordinary industrial handling.  
**Eyes:** Vapor may cause irritation. Contact may cause burns.  
**Skin:** Repeated and prolonged contact may cause irritation.  
**Ingestion:** Do **Not** take internally. Can cause severe burns to upper respiratory tract.



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**Evidence of Carcinogen:** N/A

**Teratogenicity:** N/A  
**Reproductive Toxicity:** N/A  
**Mutagenicity:** N/A  
**Synergistic Products:** N/A

#### **Emergency First Aid Procedures:**

**Skin:** Wash skin with soap and water. If irritation occurs, seek medical attention.

**Eyes:** Flush with large amount of water for 15 minutes. Seek medical attention.

**Ingestion:** **DO NOT** induce vomiting. Drink water to dilute concentrate.

Seek medical attention immediately giving full details of amount ingested and toxicity.

**Inhalation:** Move to fresh air.

#### **SECTION VI - Reactivity Data**

**Stability:** Stable

**Incompatibility:** Alkali, amines, alcohols and strong oxidizers.

**Hazardous Decomposition Products:** When heated to decomposition, it can emit toxic fumes of CO<sub>2</sub> and possibly CO.

**Hazardous Polymerization:** Will not occur.

**Conditions to Avoid:** Keep away from heat or flame. Keep away from alkalis, amines, alcohols and strong oxidizers.

#### **SECTION VII - Spill or Leak Procedures**

**Steps to be Taken in Case Material is Released or Spilled:** Wear protective clothing as specified in Section VIII.

Neutralize with sodium bicarbonate. If Federal, State or local laws permit, flush to sewer with large amounts of water.

**Waste Disposal:** Neutralize with sodium bicarbonate. If Federal, State and/or local laws permit, flush to sewer with large amounts of water. Otherwise, dispose of contaminated product and materials used in cleaning up the spill in a manner approved for this material. Consult proper Federal, State and/or local regulatory agencies to ascertain proper disposal procedures.

#### **SECTION VIII - Special Protection Information:**

**Respiratory Protection (Specify Type):** Should not be necessary under normal conditions. If exposed to vapors that exceed TLV or PEL, wear approved vapor respirator.

**Ventilation:** Good local mechanical ventilation should be sufficient.

#### **Protective Equipment:**

**Gloves:** Impervious gloves.

**Eyes:** Wear protective goggles.

**Other:** As necessary to prevent skin contact. Eyewash facilities in vicinity of use.

#### **SECTION IX - 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 bases. Wash thoroughly after handling.

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.