



# #1 Network, Inc.

## Material Safety Data Sheet

### 28041-49

#### SECTION I - General Information

**Product Name:** #1 Network Hardener  
Catalog No. 28041-49

**Revision Date:**  
July 1, 1995

**Chemical Family:**  
Photographic Fixer Hardener

**Formula:**  
Aqueous Mixture

**Proper D.O.T. Shipping Name:**  
Aluminum Sulfate Solution

**D.O.T. Hazard Classification:**  
ORM = B

**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 #5407</u>	<u>CAS#</u>	<u>PERCENT</u>	<u>PEL (TWA)</u>	<u>SARA</u>	<u>RO/TPO</u>
Aluminum Sulfate	10043-01-3	25-30	0.001 mg/m <sup>3</sup>	5000#	N/A
Water	7732-18-5	70-75	N/A	N/A	N/A

#### SECTION III - Physical Data

**Boiling Point:** >212°F  
**Vapor Density (mmHg):** 0.6  
**Specific Gravity(H<sub>2</sub>O=1):** 1.33  
**Percent Volatile by Weight:** N/A  
**Appearance and Odor:** Clear, odorless.

**Vapor Pressure (mmHg):** 17.0  
**Solubility in Water:** Complete  
**pH:** 3.00  
**Evaporation Rate:** N/A

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

**Flash Point:** Non Combustible  
**Flammable Limits: LEL:** None **UEL:** None  
**Extinguishing Media:** Use method appropriate for surrounding fire.  
**Special Fire Fighting Procedures:** Use protective clothing to prevent contact with skin and eyes.  
**Unusual Fire and Explosions Hazards:** When heated to decomposition, it can emit toxic fumes of SO<sub>2</sub>.

#### SECTION V - Health Hazard Data

**TLV (ACGIH):** Aluminum Sulfate

#### 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:** POISON. Do Not take internally.



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**Evidence of Carcinogen:** N/A

**Reproductive Toxicity:** N/A

**Mutagenicity:** N/A

**Synergistic Products:** N/A

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

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

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

**Ingestion:** Induce vomiting. Seek medical attention immediately giving full details of amount ingested and toxicity.

**Inhalation:** Move to fresh air.

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

**Stability:** Stable

**Incompatibility:** Strong bases

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

**Hazardous Polymerization:** Will not occur.

**Conditions to Avoid:** None known.

#### **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 soda ash. If Federal, State or local laws permit, flush to sewer with large amounts of water.

**Waste Disposal:** Neutralize with soda ash. If Federal, State 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.

#### **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. Keep tightly sealed. Store above 40°F. Avoid unnecessary personal contact. Avoid incompatible substances. 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.