

#1 Network Material Safety Data Sheet #G-28520-49

SECTION I - General Information

Product Name: #1 Silver Direct Etch
Catalog No. 28520-49

Chemical Family:
Photographic Fixer

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:

SECTION II - Product and Hazardous Ingredients Information:

<u>Item #8601</u>	<u>CAS#</u>	<u>PERCENT</u>
Water	7732-18-5	90-98
Monosodium Phosphate	7558-80-7	1-5
Dipropylene Glycol	110-98-5	1-5

<u>OSHA</u>	<u>SARA</u>
<u>PEL</u>	<u>RO/TPO</u>
N/A	N/A
N/A	N/A
NA	NA

SECTION III - Physical Data

Boiling Point: >212° F (100°C)
Percent Volatile by Weight: 94%
Appearance: Clear, colorless
VOC: none
pH: approx. 6.1

Specific Gravity (mm Hg): 1.01
Solubility in Water: Complete
Vapor Pressure: approx. 17.5 @ 20°C
Vapor Density: similar to water

SECTION IV - Fire and Explosion Hazard Data

Flash Point: none
Extinguishing Media: Carbon dioxide, dry chemical, water spray.
Special Fire Fighting Procedures: Wear Self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Unusual Fire and Explosions Hazards: None

SECTION V - Health Hazard Data

Effects of Overexposure:

Inhalation: May cause irritation of the mucous membranes.
Eyes: May cause irritation.
Skin: Prolonged exposure may cause irritation.
Ingestion: May cause nausea.

Evidence of Carcinogen: None of the components in this product are listed as carcinogens by NTP, IARC, or OSHA.

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

Emergency First Aid Procedures:

Skin: Immediately wash skin with soap and water. If irritation occurs, seek medical attention.
Eyes: Flush eyes with large amounts of water for 15 minutes while holding eye lids open. Seek medical attention.

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Ingestion: Wash mouth with water and immediately call a physician or poison control center. Give full details of amount ingested.

Inhalation: Move to fresh air.

SECTION VI - Reactivity Data

Stability: Stable.

Incompatibility: None

Hazardous Decomposition Products: When heated to decomposition, it can emit oxides of nitrogen (NO_x).

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. Contain spill and collect into a suitable container.

Waste Disposal: Dispose of material in accordance with federal, state, and local regulations.

SECTION VIII -Special Protection Information:

Respiratory Protection (Specify Type): Mask if mists are generated during handling. Mechanical exhaust is recommended.

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. 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.

Revision: July 18, 2007