

#1 Network Material Safety Data Sheet #G-28502-49

SECTION I - General Information

Product Name: #1 Silver Direct Activator
Catalog No. 28502-49

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:
(800) 424-9300

SECTION II - Product and Hazardous Ingredients Information:

<u>Item #8402</u>	<u>CAS#</u>	<u>PERCENT</u>	<u>OSHA PEL</u>	<u>SARA RO/TPO</u>	
Water	7732-18-5	70-90	N/A	N/A	N/A
Sodium Sulfite	7757-83-7	3-7	N/A	N/A	N/A
Aminoethylethanolamine	111-41-1	1-5	NA	NA	NA
Potassium Hydroxide	1310-58-3	3-7	2 mg/m3	1000#	N/A
Sodium Hydroxide	1310-73-2	1-5	2 mg/m3	1000#	N/A

SECTION III - Physical Data

Boiling Point: >212° F (100°C)
Percent Volatile by Weight: 90%
Appearance: Clear to pale yellow

Specific Gravity (mmHg): 1.11
Solubility in Water: Complete
pH: 13.6

SECTION IV - Fire and Explosion Hazard Data

Flash Point: Not determined due to flash point in excess of 250F.
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 SO₂ and oxides of nitrogen.

SECTION V - Health Hazard Data

TLV (ACGIH): Potassium Hydroxide (2 mg/m³)

Effects of Overexposure:

Inhalation: Low hazard for ordinary industrial handling.
Eyes: Contact with eyes may cause burns.
Skin: May cause allergic skin reaction in susceptible individuals
Ingestion: Do **Not** take internally. May be harmful if swallowed. May cause gastrointestinal irritation or ulceration.

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 while holding eye lids open. Seek medical attention.

#1 Network

Material Safety Data Sheet

#G-28502-49

Ingestion: Immediately call a poison control center, seek medical attention immediately giving full details of amount ingested.

Inhalation: Move to fresh air.

SECTION VI - Reactivity Data

Stability: Stable.

Incompatibility: Strong acids.

Hazardous Decomposition Products: When heated to decomposition, it can emit toxic fumes of SO₂ and oxides of nitrogen..

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 soak up with sand. Transfer absorbed material to a hazardous waste container.

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

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. 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.

Revised: July, 18, 2007