

**DOT WORKS, INC.**  
**Material Safety Data Sheet**  
**#G-28005-40**

MDEV 550-10

SECTION I - General Information

Product Name: Majestic 550 Ready to Use Developer  
Catalog No. 28005-40

Chemical Family:  
Photographic Developer

Formula:  
Aqueous Mixture

Transportation Information:  
Not Regulated by D.O.T./TDG/ADR/IMDG/LATA

Distributed by:  
DOT WORKS, INC.  
30 Harbor Park Drive  
Port Washington, N.Y. 11050  
(516) 625-5000

SECTION II - Product and Hazardous Ingredients Information:

Item #5407	CAS#	PERCENT	PEL (TWA)	SARA	
				RO	TPO
Potassium Hydroxide	1310-58-3	<1	2 mg/m3	1000#	N/A
Potassium Sulfite	10117-38-1	1-5	N/A	N/A	N/A
Potassium Carbonate	584-08-7	1-2	N/A	N/A	N/A
Diethylene Glycol	111-46-6	0.5-1	N/A	N/A	N/A
Hydroquinone	123-31-9	1-5	2 mg/m3	1#	500#
Water	7732-18-5	85-90	N/A	N/A	N/A

SECTION III - Physical Data

Boiling Point: >212°F (100°C)	Specific Gravity: 1.09
Vapor Pressure (mmHg): 17.0	VOC Content: 0.1%
Vapor Density (mmHg): 0.6	Percent Volatile by Weight: 90%
Solubility in Water: Complete	Evaporation Rate: N/A
Appearance and Odor: Pale yellow, odorless	pH: 10.35

SECTION IV - Fire and Explosion Hazard Data

Flash Point: 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): Hydroquinone (2mg/m3), Potassium Hydroxide (2mg/m3).

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. May be harmful if swallowed.

Pure Component Toxicology Information

Hydroquinone: Moderately toxic by oral ingestion. It is a skin and eye irritant and may cause an allergic reaction in sensitive individuals. Hydroquinone also may cause brown staining of the conjunctiva following prolonged direct eye contact with the solid and may depigment the skin following repeated skin contact under some circumstances. Hydroquinone is a CNS stimulant based on animal studies. Although Hydroquinone is not listed as a human carcinogen, it has caused cancer in some animal studies.

Sodium Carbonate: Slightly toxic by oral ingestion. It is a moderate to strong skin, eye, and respiratory tract irritant.

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Potassium Sulfite and Sodium Sulfite: Slightly toxic by oral ingestion. It is a slight to moderate skin, eye, and respiratory tract irritant. Some asthmatics or sulfite-sensitive individuals may experience wheezing, chest tightness, hives, weakness and diarrhea following ingestion.

Evidence of Carcinogen: Hydroquinone

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**: Drink water to dilute concentration. Induce vomiting only as directed by medical personnel. 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 acids, strong bases.

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

**Hazardous Polymerization**: Will not occur.

**Conditions to Avoid**: Keep away from strong acids.

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 and 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.

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.

Revised: November 18, 2005