

# Famous Format

## FF No.1 MONOBATH DEVELOPER

### Material Safety Data Sheet

**Data sheet No. 030916**

**Author:** Theophilus J. McLelland III

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#### **Section 1 - Product and Company Information**

Product name: FF No.1 MONOBATH DEVELOPER

Company: The (Famous) Large & Small Format Photography Co.

Address: 1380 Washington St  
Holliston MA 01746

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#### **Section 2 - Hazards Identification**

##### **Composition / information on ingredients**

<b><u>Chemical name</u></b>	<b><u>CAS number</u></b>	<b><u>WT%</u></b>
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##### **Developer composition**

Diethanolamine	111-42-2	1.86%
Sulphur dioxide	7446-09-5	1.2%
Hydroquinone	123-31-9	.31%
Diethylene glycol	111-46-6	.31%
Ethanolamine	141-43-5	.31%
Diethylenetriamine-		
-pentaacetic acid	67-43-6	.062%
Potassium bromide	7758-02-3	.062%
1,2-Benzenediol	120-80-9	.006%
Ethylene glycol	107-21-1	.006%

<b>Ammonium hydroxide Aqueous</b>	1336-21-6	2.4%
<b>Fixer</b>		
Ammonium Thiosulphate	7783-18-8	.19%
Sodium Sulfit	7757-83-7	.15%
Glacial Acetic Acid	64-19-7	.10%
Boric Acid	10043-35-3	.07%
<b>Water</b>	7732-18-5	90.2%

**Emergency Overview** no significant adverse health effects

**Appearance** clear liquid

**Physical state** liquid

**Odor** smell of household ammonia

**Potential health effect**

Eyes May cause slight irritation. Not expected to produce adverse health effects when recommended use and instructions are followed.

Skin Harmful if absorbed through the skin, may cause skin burns.

Inhalation Harmful if inhaled, mist or vapor irritating to respiratory tract.

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### **Section 3 - Composition/Information on Ingredients**

Please note that chemicals present in the monobath in concentrations below 2% which are considered not to be a hazard may not be included in the list of ingredients.

<b><u>Material</u></b>	<b><u>%</u></b>	<b><u>CAS Number</u></b>
AS IN SECTION 2		

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### **Section 4 - First Aid Measures For**

**Eye Contact** - Immediately Flush with water while holding the eyelids open.

**Skin contact** - Immediately flush skin with water.

**Ingestion** - Call physician or poison control immediately.

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### **Section 5 - Fire Fighting Measures**

**Suitable extinguishing media** - Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Protective equipment** - As in any fire, wear self-contained breathing apparatus pressure demand, MSHA, NIOH (approved or equivalent) and full protective gear.

**Flash point** - No information available (Aqueous solutions)

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### **Section 6 - Accidental Release Measures**

**Personal precautions, protective equipment and emergency procedures** - Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

**Environmental precautions** - Prevent further leaks or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

**Methods and materials for containment and cleaning up** - Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

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## **Section 7 - Handling and Storage**

**Advice on safe handling** - Avoid contact with skin, eyes and clothing. Use in well ventilated areas. Wear personal protective equipment. Do not eat, drink or smoke when using these solutions. Handle in accordance with good industrial hygiene and safety practice.

**Storage conditions** - Keep containers tightly closed in a dry, cool and well-ventilated place.  
Keep away from direct sunlight. Keep from freezing.

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## **Section 8 - Exposure Controls / Personal Protection**

**Exposure guidelines** - This product does not contain any hazardous materials with occupational exposure limits.

**Personal protective equipment** - Safety glasses with side-shields or goggles are recommended. Wear protective gloves and additional protective clothing as necessary to prevent exposures.

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## **Section 9 - Physical and Chemical Properties**

<b>Melting Point:</b>	
<b>Boiling Point:</b>	100 deg C (water)
<b>Specific Gravity:</b>	(H2O=1)
<b>% Solubility in Water:</b>	Negligible
<b>Vapor Density:</b>	(Air=1)
<b>% Volatiles by Volume:</b>	70%
<b>Vapor Pressure:</b>	17mm Hg @20 deg C
<b>Evaporation Rate:</b>	slow
<b>PH:</b>	8 to 10
<b>Pour Point:</b>	Not available

**Softening Point:** Not available  
**Viscosity:** Not available  
**Bulk Density:** Not available  
**Surface Tension:** Not available  
**Log Kow:** Not available

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## **Section 10 - Stability and Reactivity**

**Stability** - Stable under recommended storage and handling conditions.

**Incompatible products** - Strong oxidizing agents.

**Conditions to avoid** - Extremes of temperature and direct sunlight. High humidity.

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## **Section 11 - Toxicological Information**

**Inhalation** - Breathing dust or spray mist causes irritation.

**Skin Contact** - Irritating

**Eye** - Irritating based on PH

**Ingestion effects** - Not available

**Effects of Acute Overexposure** - Not available

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## **Section 12 - Ecological Information**

Not available.

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## **Section 13 - Disposal Considerations**

Appropriate Method of Disposal of Substance or Preparation  
Contact a licensed professional waste disposal service to dispose of this material.  
Dissolve or mix the material with combustible solvent and burn in a chemical

incinerator equipped with an afterburner and scrubber. Observe all federal, state and local environmental regulations.

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### **Section 14 - Transport Information**

NOT Regulated

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### **Section 15 - Regulatory Information**

NOT Regulated

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### **Section 16 - other Information**

Prepared by Theo McLelland  
Director of Research, 20x24 Holding LLC, Inc.  
72 Nickerson Road  
Ashland, MA 01721

Contact Tel: 508-932-6105

### **DISCLAIMER**

The Information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guidance for safe handling in use, processing, storage, transportation, disposal, and release.

Samuel W. Hiser  
The (Famous) Large & Small Format Photography Co.  
famousformat.com