



Material Safety Data Sheet  
 May be used to comply with  
 OSHA's Hazard Communication Standard  
 29 CFR 1910.1200 Standard must be  
 Consulted for specific requirements

U.S. Department of Labor  
 Occupational Safety and Health Administration  
 (Non-Mandatory Form)  
 Form Approved  
 OMB No. 1218-0072

|  |   |
|--|---|
| Identity (as used on label and list)<br><b>Liquidol Paper Developer</b> (Trade secret formula) | Note: Blank spaces are permitted, if any item is not applicable, or no information is available, the space must be marked to indicate that. |
|--|---|

Section I

|   |  |
|---|--|
| Manufacturer's Name:<br>Photographer's Formulary, Inc.                      | Emergency Telephone Number:<br>800-424-9300                      |
| Address (Number Street, City, State and Zip):<br>Po Box 950 Condon MT 59826 | Telephone Number for Information:<br>406-754-2891 / 800-922-5255 |
|   | Date Prepared:<br>August 14, 2009                                |

Section II – Hazardous Ingredients/Identity Information

| Hazardous components<br>(Specific Chemical Identity: Common Name(s)) | OSHA PEL | ACGIH TLV | Other<br>Limits | %<br>Optional |
|--|----------|-----------|-----------------|---------------|
| An aqueous solution made of:   |          |           |                 |               |
| Water H2O  |          |           |                 | 91% +/-       |
| Sodium Sulfite NA2SO3 CAS# 7757-83-7                                 | 5mg/m3   | N/A       | N/A             | 3% +/-        |
| Hydroquinone C6H6O2 CAS# 123.31.9                                    | 2        | 2         | N/A             | .75% +/-      |
| Sodium Carbonate NA2CO3 CAS# 5968-11-6                               | N/A      | N/A       | N/A             | 4% +/-        |
| Chemical 1   | N/A      | N/A       | N/A             | .20% +/-      |
| Chemical 2   | N/A      | N/A       | N/A             | .75% +/-      |
| Chemical 3   | N/A      | N/A       | N/A             | .17% +/-      |
| Chemical 4   | N/A      | N/A       | N/A             | .13% +/-      |

Section III – Physical/Chemical Characteristics:

|  |       |                                     |     |
|--|-------|-------------------------------------|-----|
| Boiling Point:                                       | 225°F | Specific Gravity:                   | N/A |
| Vapor Pressure: (mm Hg)                              | N/A   | Melting Point                       | N/A |
| Vapor Density (AIR=1)                                | N/A   | Evaporation Rate (Butyl Acetate =1) | Nil |
| Solubility in Water:                                 | 100%  | ph-10.4                             |     |
| Appearance and Order: Clear liquid with slight order |       |                                     |     |

Section IV – Fire and Explosion Hazard Data

|                                       |                       |     |     |
|---------------------------------------|-----------------------|-----|-----|
| Flash Point (Method Used) N/A         | Flammable Limits: N/A | LEL | UEL |
| Extinguishing Media: N/A              |                       |     |     |
| Special Fire Fighting Procedures: N/A |                       |     |     |

Section V – Reactivity Data

|           |          |   |  |
|-----------|----------|---|--|
| Stability | Unstable |   | Conditions to Avoid: Mixing with strong oxidizers or ammonia |
|           | Stable   | X |  |

Incompatibility (Materials to Avoid)

|                          |                |   |                      |
|--------------------------|----------------|---|----------------------|
| Hazardous Polymerization | May Occur      |   | Conditions to Avoid: |
|                          | Will Not Occur | X |                      |

Section VI – Health Hazard Data

|   |                 |                      |                    |
|---|-----------------|----------------------|--------------------|
| Route(s) of Entry: Eyes   | Inhalation: N/A | Skin: Yes            | Ingestion: Yes     |
| Health Hazards (Acute and Chronic) Even though this is a very dilute formula there is danger if not handled properly. Can be irritating to the eyes and skin. If ingested it can upset the stomach. Skin Dermatitis may result if miss handled. |                 |                      |                    |
| Carcinogenicity: No   | NTP: N/A        | IASC Monographs: N/A | OSHA Regulated: No |
| Signs and symptoms of Exposure: Eyes- red or irritated, Skin- rash or irritation Ingestion- upset Stomach to the point of becoming very sick  |                 |                      |                    |
| Medical Conditions Generally Aggravated by Exposure: Skin problems such as dermatitis causing allergic reaction.  |                 |                      |                    |
| Emergency and First Aid Procedures: Wash eyes with excess water for 15 mins. Skin- wash with soap and water, using a Ph balanced soap such as phisoderm. Ingestion – induce vomiting and seek medical attention                                 |                 |                      |                    |

Section VII – Precautions for safe Handling and Use:

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| Steps to be taken in case Material IS Released or Spilled: Wear eye and skin protection, washing with excess water into a drain. Since this formula is a liquid be sure to dilute excessively. |
| Waste Disposal Method: For disposal please contact your local sewer and water authorities  |
| Precautions to be Taken in Handling And Storing: Store in a cool dry, well ventilated, dark place away f From direct sunlight in tightly sealed containers                                     |
| Other Precautions: Containers- even those that have been emptied, will retain residue and vapors.  |
| Read warnings and handle empty containers as if they were full.  |

Section VIII – Control Measures

|   |                               |             |
|---|-------------------------------|-------------|
| Respiratory Protection (Specify Type) N/A   |                               |             |
| Ventilation   | Local Exhaust: Yes            | Special: No |
|   | Mechanical: No                | Other: No   |
| Protective Gloves Rubber Gloves   | Eye Protection Splash Goggles |             |
| Other Protective Clothing or Equipment: Apron                                       |                               |             |
| Work/ Hygienic Practices: Wash hands, face and all equipment used and counter tops. |                               |             |