1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFICATION
Product Name .................. Quicksilver Print Developer
Catalog Number .................. N/A
Chemical Name .................. Mixture
Common Name .................. N/A
Product Use .................. Photographic print developer.

MANUFACTURER
Sprint Systems of Photography, Inc.
100 Dexter Street
Pawtucket, R.I. 02860
800 356-5073

EMERGENCY TELEPHONE NUMBER
ChemTel (1-800-255-3924)

2. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>CAS NUMBER</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethylene glycol</td>
<td>111-46-6</td>
<td>N/E</td>
<td>N/E</td>
</tr>
<tr>
<td>Hydroquinone</td>
<td>123-31-9</td>
<td>2 mg/m³</td>
<td>2 mg/m³</td>
</tr>
<tr>
<td>Potassium carbonate</td>
<td>584-08-7</td>
<td>N/E</td>
<td>N/E</td>
</tr>
<tr>
<td>Sodium sulfite</td>
<td>7757-83-7</td>
<td>N/E</td>
<td>N/E</td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>N/E</td>
<td>N/E</td>
</tr>
</tbody>
</table>

See Section 15 for OSHA Regulatory Status

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Light brown liquid with a mild, sweet odor. 
respiratory tract. Contact may cause sensitization.

Danger! Causes eye and skin burns. May cause life 
threatening asthma. May cause irritation to the 
Will not burn. In case of fire use extinguishing media 
suitable for the material that is burning.

POTENTIAL HEALTH EFFECTS

PRIMARY ROUTE(S) OF ENTRY
Inhalation (breathing), eye and skin contact.

SYMPTOMS OF EXPOSURE
Skin Contact: Causes burns to abraded skin. Contact may 
cause depigmentation or sensitization.

Inhalation: Breathing vapors or mist may irritate the mucous 
membranes of the nose, throat, respiratory tract, and may 
cause headache, light-headedness, dizziness, and nausea.

Eye Contact: Causes eye burns.

Ingestion: Swallowing can cause gastrointestinal pain, cramps, 
nausea, vomiting, or central nervous system depression, and 
may cause kidney or liver damage; can cause life threatening 
asthma.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Pre-existing skin disorders, eye problems, or impaired liver and 
kidney. Persons sensitized to sodium sulfite are at risk.

REPORTED AS CARCINOGEN OR POTENTIAL CARCINOGEN

☑ Not Applicable
☐ OSHA Suspect Carcinogen
☒ National Toxicology Program (NTP)
☒ International Agency for Research on Cancer (IARC)
4. **FIRST AID MEASURES**

**Skin contact:** Wash affected areas with large amounts of running water, and soap if available, for 15 minutes. Remove contaminated clothing and shoes. Get immediate medical attention. Wash clothing and decontaminate shoes before reuse.

**Inhalation:** Remove from area to fresh air. If not breathing, clear airway and start mouth-to-mouth artificial respiration or use a bag-mask respirator. Get immediate medical attention. If victim is having trouble breathing, transport to medical care and, if available, give supplemental oxygen.

**Eye contact:** Immediately rinse eyes with water. Remove any contact lenses. Hold eyelids apart to ensure rinsing of the entire surface of the eyes and lids with water. Continue flushing eyes with large amounts of running water for at least 15 minutes. If physician is not available, flush for an additional 15 minutes. Get immediate medical attention

**Ingestion:** Give 3-4 glasses of water, but DO NOT induce vomiting. If vomiting occurs, give fluids again. Get medical attention to determine whether vomiting or evacuation of stomach is necessary. Do not give anything by mouth to an unconscious or convulsing person.

**NOTE TO PHYSICIAN**

None known.

5. **FIRE FIGHTING MEASURES**

**Flash Point and Method** > 200 °F (PMCC)

**GENERAL HAZARD**

Fire or excessive heat may produce hazardous decomposition products.

**EXTINGUISHING MEDIA**

In case of fire use extinguishing media suitable for the material that is burning.

**SPECIAL FIREFIGHTING INSTRUCTIONS**

None known.

**FIREFIGHTING EQUIPMENT**

As in any fire, wear NIOSH approved, positive-pressure self-contained breathing apparatus and full protective gear.

6. **ACCIDENTAL RELEASE MEASURES**

Wear appropriate protective equipment (See Section 8). Do not get in eyes, on skin, or on clothing. Ventilate area of leak or spill. Absorb with kitty litter, sand, or earth and package in a suitable container for disposal.

7. **HANDLING AND STORAGE**

**HANDLING**

Wear appropriate protective equipment (See Section 8). Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling.

**STORAGE**

Keep in tightly closed container, stored in a cool, dry, ventilated area.

8. **EXPOSURE CONTROLS/PERSONAL PROTECTION**

**ENGINEERING CONTROLS**

Use engineering controls to reduce air contamination to permissible exposure level.

**PERSONAL PROTECTION**

**Respirator:** In conditions where high concentrations of vapors are present or exposure limits are exceeded, wear a respirator that has been selected by technically qualified person for the specific work conditions.

**Eye Protection:** Wear approved safety goggles.

**Gloves:** Rubber (butyl, Neoprene).

**Clothing:** Wear long-sleeved clothing. Use rubber apron. Use rubber boots.

**Other:** Eye wash; safety shower.
9. PHYSICAL AND CHEMICAL PROPERTIES

State ......................... Liquid
Color .......................... Light brown
Odor ................................ Mild, sweet
Melting Point °F .............. N/A
Boiling Point °F ............... > 212
Specific Gravity @ 68 °F ......... 1.315
Vapor Density (Air = 1) ......... 0.6
Vapor Pressure (mm Hg) ......... N/A
pH ............................................. N/A
Water Solubility ............... Soluble
Solubility in other liquids .......... N/E

10. STABILITY AND REACTIVITY

REACTIVITY
Stable under normal use conditions. Will decompose in acid solutions, liberating toxic and irritating sulfur dioxide gas.

HAZARDOUS DECOMPOSITION PRODUCTS
CO₂, CO, and oxides of sulfur

INCOMPATIBILITIES
Acidic materials, strong oxidizers, metals and organic materials.

CONDITIONS TO AVOID
Excessive heat, acids.

11. TOXICOLOGICAL INFORMATION

The product is corrosive to abraded skin in a modified FHSA/CPSC Design, 16 CFR 1500 test procedure. It is not corrosive to intact skin.

For Diethylene glycol:
Oral LD₅₀ (rat): 12,565 mg/kg
Oral LD₅₀ (mouse): 23,700 mg/kg
Dermal LD₅₀ (rabbit): 11,890 mg/kg

For Hydroquinone:
Oral LD₅₀ (rat): 320 mg/kg
Oral LD₅₀ (mouse): 245 mg/kg

For Sodium sulfite:
Oral LD₅₀ (mouse): 820 mg/kg

For Potassium carbonate:
Oral LD₅₀ (rat): 1,870 mg/kg
Oral LD₅₀ (mouse): 2,570 mg/kg

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION
For Diethylene glycol:
96 hr LC₅₀ (fathead minnow): >100 mg/L. Cond: Static.
96 hr LC₅₀ (water flea): 0.3-1.0 mg/L. Cond: Static.
15min EC₅₀ (Photobacterium phosphoreum): 228 mg/L Microtox test.

ENVIRONMENTAL MOVEMENT AND PARTITIONING
Not known.

For Hydroquinone:
96 hr LC₅₀ (rainbow trout): 0.097 mg/L.
96 hr LC₅₀ (fathead minnow): 0.1-0.18 mg/L.
48 hr EC₅₀ (water flea): 0.05 mg/L.
30 min EC₅₀ (Photobacterium phosphoreum): 0.0382 mg/L Microtox test.

ENVIRONMENTAL FATE
Not known.

13. DISPOSAL CONSIDERATIONS

14 TRANSPORT INFORMATION

DOT Hazard Class . . . . . . . . . Not Regulated

15. REGULATORY INFORMATION

<table>
<thead>
<tr>
<th>OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200)</th>
<th>SARA HAZARD CATEGORIES (40 CFR 370)</th>
</tr>
</thead>
<tbody>
<tr>
<td>✔ Hazardous ____ Non-Hazardous</td>
<td>✔ Acute ✔ Chronic __ Fire</td>
</tr>
<tr>
<td></td>
<td>__ Pressure __ Reactive __ None</td>
</tr>
<tr>
<td>CERCLA/SUPERFUND (40 CFR 117, 302)</td>
<td>SARA TOXIC CHEMICALS (40 CFR 372)</td>
</tr>
<tr>
<td>Hydroquinone; RQ 100 lbs.</td>
<td>Hydroquinone &lt;5%.</td>
</tr>
<tr>
<td>SARA EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355)</td>
<td>TSCA CHEMICAL SPECIFIC RULES</td>
</tr>
<tr>
<td>Hydroquinone TPQ 500 lbs.</td>
<td>None known.</td>
</tr>
</tbody>
</table>

INVENTORY STATUS

All ingredients of this product are on the TSCA inventory.

STATE REGULATIONS

Florida Hazardous Substance List . . . . . . Hydroquinone
Massachusetts Right To Know List . . . . . . Hydroquinone
Minnesota Hazardous Substance List . . . Diethylene glycol and hydroquinone
New Jersey Right To Know List . . . . . . Hydroquinone
Rhode Island Hazardous Substance List Hydroquinone,
                         Diethylene glycol

16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA RATING</th>
<th>PREPARATION INFORMATION</th>
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<tbody>
<tr>
<td>Health 3</td>
<td>Date Prepared: . May 10, 2003</td>
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<tr>
<td>Fire 1</td>
<td>Replaces: . . June 21, 2000</td>
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<tr>
<td>Reactivity 0</td>
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<table>
<thead>
<tr>
<th>ABBREVIATIONS</th>
<th>PREPARATION INFORMATION</th>
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<tbody>
<tr>
<td>N/A - Not applicable</td>
<td>Replaces: . . June 21, 2000</td>
</tr>
<tr>
<td>N/D - Not determined</td>
<td></td>
</tr>
<tr>
<td>N/E - Not established</td>
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</tr>
<tr>
<td>N/K - Not known</td>
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</tr>
<tr>
<td>RQ - Reportable Quantity</td>
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</tr>
<tr>
<td>TPQ - Threshold Planning Quantity</td>
<td></td>
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</table>

REVISION INFORMATION

Section 11 was updated to reflect results of a irritation study.
Section 14 was revised to take into account skin corrosion test results.