1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFICATION
Product Name ....................... Block Stop Bath
Catalog Number ..................... N/A
Chemical Name ..................... Mixture
Common Name ....................... N/A
Product Use ......................... Photographic stop bath solution.

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>Acetic acid</td>
<td>64-19-7</td>
<td>10 ppm</td>
<td>10 ppm (TLV) · 15 ppm (STEL)</td>
</tr>
<tr>
<td>Sodium acetate</td>
<td>127-09-3</td>
<td>N/E</td>
<td>N/E</td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

See Section 15 for OSHA Regulatory Status.

3. HAZARDS IDENTIFICATION

<table>
<thead>
<tr>
<th>EMERGENCY OVERVIEW</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clear yellow liquid with a vanilla/vinegar odor.</td>
</tr>
<tr>
<td>In case of fire use foam, carbon dioxide (CO₂), or dry chemical.</td>
</tr>
<tr>
<td>Warning! Causes eye irritation. Breathing vapors or mist may cause asthma-like symptoms. May be harmful if swallowed.</td>
</tr>
</tbody>
</table>

POTENTIAL HEALTH EFFECTS

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

SYMPTOMS OF EXPOSURE
Skin Contact: May cause mild skin irritation.
Eye Contact: Causes eye irritation.
Inhalation: May cause respiratory tract irritation, seen as soreness in throat, nose and respiratory tract. Breathing acetic acid vapors may cause asthma-like symptoms.

Ingestion: May be harmful if swallowed.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE
Persons sensitized to acetic acid 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 plenty of water, and soap if available, for several minutes. Seek medical attention if irritation develops and persists.

Eye contact: Immediately rinse eyes with water. Remove any contact lenses, and continue flushing eyes with running water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eyes and lids with water. Get
Inhalation: Remove from area to fresh air. If not breathing, give 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.

**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 a unconscious or convulsing person.

**NOTE TO PHYSICIAN**

Inhalation - Delayed pulmonary edema may occur, and patient should be maintained under observation for this complication.

## 5. FIRE FIGHTING MEASURES

**Flash Point and Method** .................................. > 200 °F (closed cup)

**GENERAL HAZARD**

None known.

**EXTINGUISHING MEDIA**

In case of fire use foam, carbon dioxide (CO₂), or dry chemical.

**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). Avoid contact with eyes, skin or clothing. Absorb in kitty litter, dry sand or earth and place into containers for disposal. Small spills may be flushed in sewers with plenty of water.

## 7. HANDLING AND STORAGE

**HANDLING**

Wear appropriate protective equipment (See Section 8). Avoid contact with eyes, skin or clothing.

**STORAGE**

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

## 8. EXPOSURE CONTROLS/PERSOINAL 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 glasses or goggles.

**Gloves:** Neoprene.

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

**Other:** Eye wash; safety shower.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>State ......................... Liquid</th>
<th>Vapor Density (Air = 1) ............ 0.9</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color .......................... Clear yellow</td>
<td>Vapor Pressure (mm Hg) ............ N/D</td>
</tr>
<tr>
<td>Odor .............................. Vanilla/acetlic acid (vinegar)</td>
<td>pH .......................... 4.0 (1:9 dilution)</td>
</tr>
<tr>
<td>Melting Point °F .............. N/A</td>
<td>Water Solubility ................ Soluble</td>
</tr>
<tr>
<td>Boiling Point °F .............. &gt;212</td>
<td>Solubility in other liquids .......... N/E</td>
</tr>
<tr>
<td>Specific Gravity @ 25 °F .......... 1.1</td>
<td></td>
</tr>
</tbody>
</table>
### 10. Stability and Reactivity

<table>
<thead>
<tr>
<th>Reactivity</th>
<th>Hazardous Decomposition Products</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stable</td>
<td>None known</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Incompatibilities</th>
<th>Conditions to Avoid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alkaline materials and strong oxidizers</td>
<td>None known.</td>
</tr>
</tbody>
</table>

### 11. Toxicological Information

The product is not a skin irritant. The primary dermal irritation score was 0.17 following a 4-hour occluded dermal exposure in a modified FHSA/CPSC Design, 16 CFR 1500.

For Acetic acid:
- Inhalation LC50 (mouse): 5,260 ppm/1 hr.
- Oral LD50 (rat): 3,310 mg/kg
- Dermal LD50 (rabbit): 1,060 µL/kg

### 12. Ecological Information

**Ecotoxicological Information**

For Acetic acid:
- 96 hr LC50 (fathead minnow): 88 mg/L. Conditions: Static, 18-22 °C.
- 96 hr LC50 (bluegill sunfish): 75 mg/L.
- 24 hr LC50 (goldfish): 423 mg/L.
- EC50 (5, 15, 25 min) *(Photobacterium phosphoreum)*: 8.86-11 mg/L Microtox test. Conditions: 15 °C.
- 24-48 hr EC50 (water flea): 32-47 mg/l

**Environmental Movement and Partitioning**

Not known.

**Environmental Fate**

Not known.

### 13. Disposal Considerations

RCRA Waste Code: . . . . . . . . . . . . . . . . . . . . Not regulated

### 14. Transport Information

<table>
<thead>
<tr>
<th>DOT Hazard Class</th>
<th>Not regulated</th>
</tr>
</thead>
</table>

This product was not corrosive to steel or aluminum when tested according to 49 CFR 173.137.

### 15. Regulatory Information


- ✔ Hazardous
- _ Non-Hazardous

**CERCLA/SUPERFUND (40 CFR 117, 302)**

Acetic acid; reportable quantity - 5,000 lbs.

**SARA Extremely Hazardous Substances (40 CFR 355)**

N/A

**SARA Hazard Categories (40 CFR 370)**

- ✔ Acute
- _ Pressure
- ✔ Chronic
- _ Reactive
- _ None

**SARA Toxic Chemicals (40 CFR 372)**

N/A

**TSCA Chemical Specific Rules**

N/A

**Inventory Status**

All ingredients of this product are on the TSCA inventory.
STATE REGULATIONS
Florida Hazardous Substance List . . . Acetic acid
Massachusetts Right To Know List . . . Acetic acid
Minnesota Hazardous Substance List . Acetic acid
New Jersey Right To Know List . . . . Acetic acid

16. OTHER INFORMATION

NFPA RATING
Health 2
Fire 1
Reactivity 0

PREPARATION INFORMATION
Prepared by: Sprint Systems of Photography, Inc.
Date Prepared: July 10, 2000
Replaces: June 21, 2000

ABBREVIATIONS
C - Ceiling limit
N/A - Not applicable
N/D - Not determined
N/E - Not established
N/K - Not known
NAERG - North American Emergency Response Guidebook
RQ - Reportable Quantity
TPQ - Threshold Planning Quantity

REVISION INFORMATION
Section 14 was revised to reflect the results of metal corrosion testing.