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.
1057 Chopmist Hill Road
Scituate, RI 02857
800 356-5073

**EMERGENCY TELEPHONE NUMBER**

ChemTel (1-800-255-3924)

2. **COMPOSITION/INFORMATION ON INGREDIENTS**

**CHEMICAL NAME** | **CAS NUMBER** | **EXPOSURE CONTROLS** | **OSHA PEL** | **ACGIH TLV**
--- | --- | --- | --- | ---
Acetic acid | 64-19-7 | | 10 ppm | 10 ppm (TLV) - 15 ppm (STEL)
Sodium acetate | 127-09-3 | N/E | N/E | N/E
Water | 7732-18-5 | N/A | N/A | N/A

See Section 15 for OSHA Regulatory Status.

3. **HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

Clear yellow liquid with a vanilla/vinegar odor. In case of fire use foam, carbon dioxide (CO₂), or dry chemical.

Warning! Causes eye irritation. Breathing vapors or mist may cause asthma-like symptoms. May be harmful if swallowed.

**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)

SPECIAL FIREFIGHTING INSTRUCTIONS

None known.

GENERAL HAZARD

None known.

EXTINGUISHING MEDIA

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

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

REACTIVITY
Stable

HAZARDOUS DECOMPOSITION PRODUCTS
None known

INCOMPATIBILITIES
Alkaline materials and strong oxidizers

CONDITIONS TO AVOID
None known.

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 ºC.
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 ºC.
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

DOT Hazard Class: Not regulated
This product was not corrosive to steel or aluminum when tested according to 49 CFR 173.137

15. REGULATORY INFORMATION

OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200)

✔ 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 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.
### OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA RATING</th>
<th>PREPARATION INFORMATION</th>
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<tbody>
<tr>
<td>Health 2</td>
<td>Prepared by: Sprint Systems of Photography, Inc.</td>
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<tr>
<td>Fire 1</td>
<td>Date Prepared: July 10, 2000</td>
</tr>
<tr>
<td>Reactivity 0</td>
<td>Replaces: June 21, 2000</td>
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<table>
<thead>
<tr>
<th>ABBREVIATIONS</th>
<th>REVISION INFORMATION</th>
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</thead>
<tbody>
<tr>
<td>C - Ceiling limit</td>
<td>Section 14 was revised to reflect the results of metal corrosion testing.</td>
</tr>
<tr>
<td>N/A - Not applicable</td>
<td></td>
</tr>
<tr>
<td>N/D - Not determined</td>
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<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>NAERG - North American Emergency Response Guidebook</td>
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<tr>
<td>RQ - Reportable Quantity</td>
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<tr>
<td>TPQ - Threshold Planning Quantity</td>
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</table>