



# MATERIAL SAFETY DATA SHEET

## Block Stop Bath

### 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

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
Water	7732-18-5	N/A	N/A

See Section 15 for OSHA Regulatory Status.

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

Clear yellow liquid with a vanilla/vinegar odor.	swallowed
Warning! Causes eye irritation. Breathing vapors or mist may cause asthma-like symptoms. May be harmful if	In case of fire use foam, carbon dioxide (CO <sub>2</sub> ), or dry chemical.

#### POTENTIAL HEALTH EFFECTS

#### PRIMARY ROUTE(S) OF ENTRY

Inhalation (breathing), eye and skin contact.

**Ingestion:** May be harmful if swallowed.

#### SYMPTOMS OF EXPOSURE

**Skin Contact:** May cause mild skin irritation.

#### MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Persons sensitized to acetic acid are at risk.

**Eye Contact:** Causes eye irritation.

#### REPORTED AS CARCINOGEN OR POTENTIAL CARCINOGEN

- Not Applicable
- OSHA Suspect Carcinogen
- National Toxicology Program (NTP)
- International Agency for Research on Cancer (IARC)

**Inhalation:** May cause respiratory tract irritation, seen as soreness in throat, nose and respiratory tract. Breathing acetic acid vapors may cause asthma-like symptoms.

### 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

immediate medical attention.

**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.

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**5. FIRE FIGHTING MEASURES**

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

**SPECIAL FIREFIGHTING INSTRUCTIONS**

None known.

**GENERAL HAZARD**

None known.

**FIREFIGHTING EQUIPMENT**

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

**EXTINGUISHING MEDIA**

In case of fire use foam, carbon dioxide (CO<sub>2</sub>), or dry chemical.

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**6. ACCIDENTAL RELEASE MEASURES**

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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.

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**7. HANDLING AND STORAGE**

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**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.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**ENGINEERING CONTROLS**

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

person for the specific work conditions.

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

**Gloves:** Neoprene.

**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

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

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

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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State . . . . . Liquid

Vapor Density (Air = 1) . . . . . 0.9

Color . . . . . Clear yellow

Vapor Pressure (mm Hg) . . . . . N/D

Odor . . . . . Vanilla/acetic acid (vinegar)

pH . . . . . 4.0 (1:9 dilution)

Melting Point °F . . . . . N/A

Water Solubility . . . . . Soluble

Boiling Point °F . . . . . >212

Solubility in other liquids . . . . . N/E

Specific Gravity @ 25 °F . . . . . 1.1

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**10. STABILITY AND REACTIVITY**

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**REACTIVITY**

Stable

**HAZARDOUS DECOMPOSITION PRODUCTS**

None known

**INCOMPATIBILITIES**

Alkaline materials and strong oxidizers

**CONDITIONS TO AVOID**

None known.

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**11. TOXICOLOGICAL INFORMATION**

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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 LC<sub>50</sub> (mouse): 5,260 ppm/1 hr.Oral LD<sub>50</sub> (rat): 3,310 mg/kgDermal LD<sub>50</sub> (rabbit): 1,060 µL/kg

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**12. ECOLOGICAL INFORMATION**

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**ECOTOXICOLOGICAL INFORMATION****For Acetic acid:**

96 hr LC<sub>50</sub> (fathead minnow): 88 mg/L. Conditions:  
Static, 18-22 °C.

96 hr LC<sub>50</sub>(bluegill sunfish): 75 mg/L.24 hr LC<sub>50</sub> (goldfish): 423 mg/L.EC<sub>50</sub> (5, 15, 25 min) (*Photobacterium phosphoreum*):

8.86-11 mg/L Microtox test. Conditions: 15 °C.

24-48 hr EC<sub>50</sub>( water flea): 32-47 mg/l**ENVIRONMENTAL MOVEMENT AND PARTITIONING**

Not known.

**ENVIRONMENTAL FATE**

Not known.

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**13. DISPOSAL CONSIDERATIONS**

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RCRA Waste Code: ..... Not regulated

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**14. TRANSPORT INFORMATION**

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DOT Hazard Class ..... Not regulated

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

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**15. REGULATORY INFORMATION**

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**OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200)** Hazardous       Non-Hazardous**SARA TOXIC CHEMICALS (40 CFR 372)**

N/A

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

Acetic acid; reportable quantity - 5,000 lbs.

**TSCA CHEMICAL SPECIFIC RULES**

N/A

**SARA EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355)**

N/A

**INVENTORY STATUS**

All ingredients of this product are on the TSCA inventory.

**SARA HAZARD CATEGORIES (40 CFR 370)**

Acute       Chronic       Fire  
 Pressure       Reactive       None

## 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

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16.

## OTHER INFORMATION

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### NFPA RATING

Health        2  
Fire            1  
Reactivity    0

### 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

### PREPARATION INFORMATION

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

### REVISION INFORMATION

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