



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 ₂), or dry chemical.

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

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.

5. FIRE FIGHTING MEASURES

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

SPECIAL FIREFIGHTING INSTRUCTIONS

GENERAL HAZARD

None known.

None known.

FIREFIGHTING EQUIPMENT

EXTINGUISHING MEDIA

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

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 on 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

STORAGE

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

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS

person for the specific work conditions.

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

Eye Protection: Wear approved safety glasses or goggles.

PERSONAL PROTECTION

Gloves: Neoprene.

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

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

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 °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

For 20 L containers:

DOT Proper Shipping Name Corrosive liquid, acidic,
organic, n.o.s. (Acetic acid)
DOT Hazard Class 8
DOT I.D. Number UN3265
Packing Group III
Label(s) Corrosive
NAERG - Guide No. 153

For 4 L and 1 L containers:

DOT Proper Shipping Name: Consumer commodity
DOT Hazard Class ORM-D
DOT I.D. Number N/A
Packing Group N/A
Marking ORM-D
NAERG Guide No. N/A

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 HAZARD CATEGORIES (40 CFR 370)

Acute Chronic Fire
 Pressure 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: June 21, 2000
Replaces: November 10, 1999

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

Sections 3, 4, 6, 7, 11 and 16 were updated to reflect results of a dermal irritation study.