

USING BLOCK

In conventional stop baths, the acid ingredient which stops development is hazardous and unpleasant to use, and can damage prints. Acid can break down print sizing which normally protects fibers from fixer thiosulfate contamination, a major cause of deterioration. Plain water stop baths eliminate the side-effects of acid, but do not stop development as effectively, and can cause stains, emulsion swelling and reticulation.

BLOCK is an acid solution, but the acids are buffered to minimize the side-effects. Buffering protects print fibers for greater permanence, reduces emulsion swelling, staining, reticulation and eliminates odors. BLOCK will also prevent carbonate gas ruptures of films (pinholes) when used as directed.

BLOCK is the basic stop bath for all SPRINT SYSTEMS processes. When used with other B&W SPRINT printing products, it signals the exhaustion of all the baths simultaneously. Always use BLOCK Stop Bath before fixing with Alum Hardening Converter to provide the correct acid value.

One liter of *concentrate* will make 10 liters of *working solution*, enough for (600) 8x10 fiber prints or (900) 8x10 resin-coated prints or (600) rolls of 35mm, 36 exposure film.

HOW TO MIX

Dilute BLOCK Stop Bath *concentrate* 1:9 with water to make the desired volume of *working solution*.

FOR EXAMPLE: 100ml BLOCK Stop Bath *Concentrate*
+ 900ml Water
1000ml BLOCK Stop Bath *Working Solution*

HOW TO USE

Use BLOCK Stop Bath solution at the same temperature as the developer solution unless otherwise directed in your processing instructions.

For Films: Immerse for at least 1 minute with continuous agitation.

For Prints: Immerse for at least 5 seconds with continuous agitation.

HARDENING STOP BATH

BLOCK Stop Bath may be converted into a hardening stop bath for sepia toning, or to replace hardening in the fixer if sulfur dioxide vapors must be minimized. Substitute the following converted solution for the normal stop bath and immerse films or prints for 3-6 minutes with agitation.

FOR EXAMPLE: 40ml BLOCK Stop Bath *Concentrate*
60ml ARCHIVE Fixer Remover *Concentrate*
30ml RECORD Alum Hardening *Concentrate*
+ 900ml Water
1030ml Hardening Stop Bath *Working Solution*

Use these proportions when mixing other quantities.

CAPACITY & INDICATOR

One liter of BLOCK Stop Bath *working solution* will process at least (60) 8x10 fiber prints or (90) 8x10 resin-coated prints or the equivalent of (60) rolls of 35mm, 36 exposure film.

BLOCK Stop Bath *working solution* changes color from yellow to lavender as it approaches exhaustion in B&W printing. When printing with SPRINT QUICKSILVER Print Developer, BLOCK Stop Bath and RECORD Speed Fixer mixed in equal volumes, BLOCK Stop Bath indicates the exhaustion of all three solutions.

SHELF LIFE

Stored as concentrate or *working solution*, with or without air in the container, BLOCK Stop Bath has a shelf life of at least 2 years.

WARNING: CAUSES EYE IRRITATION. BREATHING VAPOR OR MIST MAY CAUSE ASTHMA-LIKE SYMPTOMS. MAY BE HARMFUL IF SWALLOWED. MAY CAUSE MILD SKIN IRRITATION.

PRECAUTIONS

Avoid contact with eyes, skin or clothing. Do not swallow. Avoid breathing vapor or mist. Wear chemical resistant gloves, apron (Neoprene) and safety glasses with side shields or chemical goggles. Ensure darkroom is ventilated with an exhaust fan to remove vapors. Wash thoroughly after handling, and before eating, drinking or smoking.

HANDLING, STORAGE & DISPOSAL

Keep container closed when not in use. Store away from bases, oxidizers and incompatible materials, in a cool, well-ventilated area. Absorb spills with kitty litter, sand or earth and package in a suitable container for disposal. Do not reuse container.

FIRST AID

For 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.

For skin contact:

Wash affected area with plenty of water and soap if available, for several minutes. Seek medical attention if irritation develops and persists.

For inhalation:

Remove from area to fresh air. If not breathing, give artificial respiration. Get immediate medical attention. If breathing is difficult, give oxygen.

For ingestion:

DO NOT induce vomiting. Give victim a glass of water. Get immediate medical attention. Do not give anything by mouth to an unconscious or convulsing person.

WARNING: KEEP OUT OF REACH OF CHILDREN

For more information, read the Material Safety Data Sheet which may be obtained from your supplier or on the web at www.sprintsystems.com.

Conforms to ASTM D 4236.

EMERGENCY telephone number: ChemTel 1-800-255-3924, or contact a physician or your local Poison Control Center.

LIMITED WARRANTY

Sprint Systems will not be responsible for any harmful effects caused by swallowing or inhaling the contents of any Sprint chemical, or by contact of Sprint chemicals with skin or eyes. Warranty limited to replacement of Sprint products if defective in manufacture, labeling or packaging.

SPRINT[®] BLOCK[®]



STOP BATH

BUFFERED AND VANILLA SCENTED WITH INDICATOR
DILUTE 1:9 WATER