

# SILVERGRAIN CLEARSTOP ACID STOP BATH

## 1. Identification of the substance/preparation and of the company/undertaking

**Product name:** SILVERGRAIN CLEARSTOP  
**Product code:** 123-1326 123-1333 – STOPBATH  
**Distributor:** Digitaltruth Photos, 14781 Memorial Dr., Suite 2342, Houston, TX, 77079, U.S.A.  
**Customer Information Phone Number:** 1-888-391-8932  
**CHEMTREC®: 24 Hour Emergency Transport Phone Number:** 1-800-424-9300  
**Manufacturer code:** 452023, 452416  
**Product Use:** Photographic processing solution.  
**Date Prepared:** 05/21/2008  
**Version:** 1.0

## 2. Composition/information on ingredients

<u>Chemical Name</u>	<u>CAS</u>	<u>OHSA PEL</u>	<u>ACGIH TLV</u>	<u>Weight %</u>
CITRIC ACID	77-92-9	N.E.	N.E.	40-50

## 3. HAZARDOUS IDENTIFICATION

### POTENTIAL HEALTH EFFECTS

**Eye Contact:** Contact with eyes may cause severe irritation, and possible eye burns.  
**Inhalation:** May cause irritation to nasal mucous membranes and respiratory tract.  
**Ingestion:** May cause irritation to the gastrointestinal tract with nausea, vomiting, and diarrhea.  
**Skin Contact:** May cause irritation.  
**Signs And Symptoms Of Exposure:** Skin irritation with discomfort or rash, eyes tearing or blurring of vision, coughing, nausea, vomiting, and diarrhea.

## 4. FIRST AID MEASURES

**Eye Contact:** Immediately flush with water for at least 15 minutes, occasionally lifting the upper and lower lids. Get immediate medical attention.  
**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.  
**Ingestion:** If swallowed, DO NOT induce vomiting. Give 2-4 cups of milk or water. Call a physician or poison control center.  
**Skin Contact:** Immediately wash skin with plenty of soap and water for 15 minutes. Remove contaminated clothing. Wash clothing before reuse. Get medical aid if irritation develops or persists.  
**Aggravated Medical Conditions:** Individuals with pre-existing diseases of the skin or gastrointestinal tract may have increased susceptibility to the toxicity of excessive exposures.  
**Supplemental Health Information:** None of the components in this product is listed by IARC, NTP, or OSHA as carcinogen.

# MATERIAL SAFETY DATA SHEET

## 5. FIRE FIGHTING MEASURES

### FLAMMABLE PROPERTIES

Flash Point: Nonflammable    Flash Point Method: Not applicable    Auto-ignition: Not applicable

LEL: Not applicable    UEL: Not applicable

Extinguishing Media: Any applicable to the primary cause of the fire.

Special Fire-Fighting Procedures: Do not release run-off without neutralizing to sewers or waterways. Wear a self-contained breathing apparatus (SCBA) with a full-face piece operated in pressure-demand or positive-pressure mode.

Combustion Products: Carbon dioxide and carbon monoxide.

## 6. ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Spilled Or Released: Review fire and explosion hazards and safety precautions before proceeding with cleanup. Use appropriate personal protective equipment. Spillage, floor sweepings, and other product waste should be dissolved, diluted, and disposed of in accordance with Federal, state, and local regulations. Solutions will have a pH of <2 and may be considered hazardous. Dike the spill. Prevent liquid from entering sewers, waterways or low areas. Soak up with sawdust, sand, or other absorbent material. Remove non-usable solid material and/or contaminated soil for disposal in an approved and permitted landfill. Discharge to sewer requires approval of permitting authority and pre-treatment by neutralization with caustic soda or soda ash.

## 7. HANDLING AND STORAGE

Precautions To Be Taken In Handling And Storage: Store in a cool, dry, well ventilated area. Keep containers closed. Do not store with incompatible materials. Do not store or consume food, drink, or tobacco where they may become contaminated with this material.

Other Precautions: All labeled precautions must be observed when handling, storing and transporting empty containers due to product residues. Do not reuse containers. Triple rinse before disposal. Dispose of in a licensed facility. Recommended crushing or other means to prevent re-use.

## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

### PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: Use NIOSH/MSHA approved respirator where fumes or mist may be generated.

Ventilation: Provide exhaust ventilation sufficient to keep the airborne concentration of this product below its exposure limits.

Protective Gloves: Latex, rubber, or neoprene waterproof gloves are recommended.

Eye Protection: Chemical safety goggles/splash shield.

Other Protective Clothing or Equipment: Rubber or plastic apron.

Work/Hygienic Practices: Use good personal hygiene when handling this product. Wash hands after use, before smoking or using the toilet.

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Local exhaust ventilation is required to ensure that worker exposure is below the current PEL.

Exposure Guidelines: See Section 2.

# MATERIAL SAFETY DATA SHEET

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance And Odor: Clear yellow solution, mild odor. Solubility In Water: Complete  
Boiling Point: 212°F Vapor Pressure: Approx. 21.9 mm Hg @77°F  
Specific Gravity: 1.18 Melting Point: Not applicable Freezing Point: N.E.  
Evaporation Rate: N.E. Vapor Density: N.E. Percent Volatile: 57.6  
Ph: <1 concentrate Molecular Weight: N.E. Pounds Per Gallon: 9.85  
V.O.C. = 0

## 10. STABILITY AND REACTIVITY

Stability: Stable  
Conditions To Avoid: None  
Incompatibility: Metal nitrates (potentially explosive reaction), alkali carbonates and bicarbonates, potassium tartrate. Will corrode copper, zinc, aluminum and their alloys.  
Hazardous Decomposition Or By Products: carbon dioxide and monoxide.  
Hazardous Polymerization: Will Not Occur

## 11. TOXICOLOGICAL INFORMATION

## 12. ECOLOGICAL INFORMATION

## 13. DISPOSAL CONSIDERATIONS

Remove non-usable solid material and or contaminated soil for disposal in an approved and permitted landfill. Discharge to sewer requires approval of permitting authority and may require pre-treatment to neutralize pH.

## 14. TRANSPORT INFORMATION

DOT Class: NOT REGULATED  
Hazard Class: NOT APPLICABLE  
UN No.: NOT APPLICABLE  
Packing Group: NOT APPLICABLE  
Guide No: NOT APPLICABLE  
Ship Name: NOT APPLICABLE

## 15. REGULATORY INFORMATION

TSCA: All ingredients in this finished product are listed on the EPA TSCA INVENTORY.  
SARA TITLE III: NONE  
CALIF. PROP. 65: NONE  
CARCINOGENICITY: NONE OF THE COMPONENTS IN THIS CHEMICAL IS LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.

### SCAQMD Rule 443.1

Photochemically Reactive: No  
Maximum Grams of VOC per Liter: 0 g/L  
Vapor Pressure: 21.6 mm Hg@ 77 Degrees F

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## 16. OTHER INFORMATION (HMIS)

Health: \*2

Flammability: 0

Reactivity: 0

Protective: C

OTHER ADDITIONAL INFORMATION: The information contained herein is based on the data available to us and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for the injuries from the use of the product described herein.