FREESTYLE PHOTOGRAPHIC SUPPLIES
LEGACYPRO
SEPIA TONER - BLEACH BATH part A

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: Photo Systems, Inc. Product Name: **SEPIA TONER BLEACH BATH**
Product Number: **745702P** Date Prepared: 01/25/2007
Customer Information Phone Number: 1-800-521-4042
CHEMTREC®: 24 Hour Emergency Transport Phone Number: 1-800-424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS	OHSA PEL	ACGIH TLV	Weight %
POTASSIUM BROMIDE	7758-02-3	N.E.	N.E.	50-55
POTASSIUM FERRICCYANIDE	13746-66-2	10 ppm*	4.7ppm*C	45-50

*Hydrogen cyanide expressed as CN

3. HAZARDOUS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

Emergency Overview: WARNING! CONTACT WITH ACID LIBERATES TOXIC GAS AND FLAMMABLE MATERIAL. Harmful if swallowed. Powdered material may form explosive dust-air mixtures.

Eye Contact: Dust exposure may cause temporary irritation. No specific hazard known.
Inhalation: Expected to be a low hazard or recommended handling. If hydrogen cyanide gas is liberated due to contact with a strong oxidizer or acid, it may cause dizziness, headache, rapid respiration, rapid pulse, unconsciousness, convulsions and death.
Ingestion: harmful if swallowed. Ingestion of bromide salts can cause nausea, vomiting, headache, irritability, delirium, memory loss, decreased appetite, joint pain, stupor, coma, decreased appetite, hallucinations, and acne like rash.
Skin Contact: Expected to be a low hazard for recommended handling.

4. FIRST AID MEASURES

Eye Contact: Immediately flush eyes with water for at least 15 minutes. Get immediate medical attention.
Inhalation: Remove to fresh air. Treat symptomatically. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
Ingestion: If swallowed, DO NOT induce vomiting. Only induce vomiting at the instruction of medical personnel. Call a physician or poison control center immediately.
Skin Contact: Flush skin with plenty of water and wash with a non-alkaline skin cleaner. Wash contaminated clothes before reuse. Get medical attention if irritation develops.
Aggravated Medical Conditions: Individuals who are under the care of a physician or have chronic ailments, should consult a physician before using this product. Allergies, chronic asthmas may be exacerbated by dust from this product.
Supplemental Health Information: None of the components in this product is listed by IARC, NTP, or OSHA as carcinogen.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

Flash Point: Noncombustible solid
Extinguishing Media: Water spray, carbon dioxide, dry chemical.
Special Fire-Fighting Procedures: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Unusual Fire And Explosion Hazards: Fire or excessive heat may cause production of hazardous decomposition products. Powdered material may form explosive dust-air mixtures.
Hazardous Composition Products: Carbon oxides, nitrogen oxides, hydrogen cyanide, hydrogen bromide.

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. Avoid contact with skin and eyes. Stop the spillage. If dry, sweep up chemical and place in a hazardous waste container. If mixed, dike the spill. Prevent liquid from entering sewers, waterways or low areas. Absorb spillage in inert material. 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 may require pre-treatment. Contaminated surfaces should be cleaned.

7. HANDLING AND STORAGE

Precautions To Be Taken In Handling And Storage: Avoid breathing dust at concentrations greater than exposure limits. Avoid contact with eyes, skin, and clothing. Store in a cool, dry, well ventilated area. Keep away from heat and sources of ignition. Minimize dust generation and accumulation. Dust may form explosive mixtures in air. Keep containers closed. Do not store with incompatible materials such as oxidizing material. 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.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: Avoid breathing dust. Wear OSHA approved dust filter respirator if TLV is to be exceeded. Respirator type: N95 Particulate Filter. A full-face positive-pressure air-supplied respirator must be worn if hazardous decomposition products are likely to be released or have been released.
Ventilation: Good ventilation of 10 room volumes per hour. Ventilation rates should match conditions of use.
Protective Gloves: Impervious gloves are recommended.
Eye Protection: Wear safety glasses with side shield or goggles.
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.

Exposure Guidelines: See Section 2.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance And Odor: Orange powder, no odor. Solubility In Water: appreciable
Boiling Point: Not applicable Vapor Pressure: Negligible
Specific Gravity: Not applicable Melting Point: N.E. Freezing Point: N.E.
Evaporation Rate: Not applicable Vapor Density: Not applicable Percent Volatile: 0
Ph: Not applicable Molecular Weight: N.E. Pounds Per Gallon: N.E.
Other Properties: V.O.C. = 0

10. STABILITY AND REACTIVITY

Stability: Not fully evaluated. Materials containing similar structural groups can decompose if heated.
Conditions To Avoid: Heat and ignition sources.
Incompatibility: Strong acids; strong oxidizing agents. Contact with acid liberates flammable material. Contact with acid liberates toxic gas. Contact with acids liberates hydrogen cyanide.
Hazardous Decomposition Or By Products: Nitrogen oxides, hydrogen cyanide, and hydrogen bromide.
Hazardous Polymerization: Will Not Occur

11. TOXICOLOGICAL INFORMATION

12. ECOLOGICAL INFORMATION

13. DISPOSAL CONSIDERATIONS

Discharge, treatment or disposal may be subject to Federal, State (provincial in Canada) or local laws. Consult state or local regulatory authorities before flushing to sewer with large amounts of water.

14. TRANSPORT INFORMATION

DOT Class: NOT REGULATED
Hazard Class: NONE
UN No.: NOT APPLICABLE
Packing Group:
Guide No:
Ship Name:

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 m/L
Vapor Pressure: N.E. mm Hg@ 20 Degrees C

16. OTHER INFORMATION (HMIS)

Health: 1
Flammability: 1
Reactivity: 0
Protective: E

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 injuries from the use of the product described herein.

FREESTYLE PHOTOGRAPHIC SUPPLIES
LEGACYPRO
SEPIA TONER TONING BATH - PART B

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: Photo Systems, Inc. Product Name: **SEPIA TONER TONING BATH**
Product Number: **745702P** Date Prepared: 01/25/2007
Customer Information Phone Number: 1-800-521-4042
CHEMTREC®: 24 Hour Emergency Transport Phone Number: 1-800-424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS	OHSA PEL	ACGIH TLV	Weight %
SODIUM SULFIDE HYDRATED	1313-82-2	N.E.	N.E.	100

3. HAZARDOUS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

Emergency Overview: DANGER! CONTACT WITH ACID AND EXCESSIVE HEAT LIBERATES FLAMMABLE AND POISONOUS HYRDOGEN SULFIDE GAS. Corrosive – causes severe burns to eyes and skin.

Eye Contact: Dust exposure will cause severe eye burns. Airborne dust, mist, vapor irritating. A possible warning sign of eye exposure is the appearance of halos around light sources and increased sensitivity to light.
Inhalation: Harmful if inhaled. Airborne dust/mist/vapor is irritating. If hydrogen sulfide gas is liberated due to contact with acid, it may cause headache, dizziness, confusion, weakness, unconsciousness, convulsions and death.
Ingestion: Harmful if swallowed. May cause burns of the gastrointestinal tract if swallowed. If free gastric acidity is high, hydrogen sulfide is liberated in the stomach and may cause systemic toxic effects such as vomiting, respiratory depression, tremors, convulsions, and death.
Skin Contact: Dust exposure will cause severe burns. This material can be absorbed through the skin.

4. FIRST AID MEASURES

Eye Contact: Immediately flush eyes with water for at least 15 minutes. Get immediate medical attention.
Inhalation: Remove to fresh air. Hydrogen sulfide has a characteristic “rotten egg “odor. Treat symptomatically. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
Ingestion: If swallowed, DO NOT induce vomiting. Only induce vomiting at the instruction of medical personnel. Call a physician or poison control center immediately.
Skin Contact: Flush skin with plenty of water for 15 minutes while removing contaminated clothing Wash contaminated clothes before reuse. Get medical attention immediately.
Aggravated Medical Conditions: Individuals who are under the care of a physician or have chronic ailments, should consult a physician before using this product. Allergies, chronic asthmas may be exacerbated by dust from this product.
Supplemental Health Information: None of the components in this product is listed by IARC, NTP,

or OSHA as carcinogen.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

Flash Point: Nonflammable solid
Extinguishing Media: Water spray, carbon dioxide, dry chemical.
Special Fire-Fighting Procedures: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Unusual Fire And Explosion Hazards: Fire or excessive heat may cause production of hazardous decomposition products. Powdered material may form explosive dust-air mixtures. Contact with all acids or excessive heat will liberate poisonous, flammable hydrogen sulfide gas. Hydrogen sulfide vapors are heavier than air and may travel a considerable distance to source of ignition and flash back. The autoignition temperature of hydrogen sulfide is 500º F.
Hazardous Composition Products: Sulfur oxides

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. Avoid contact with skin and eyes. Stop the spillage. If dry, sweep up chemical and place in a hazardous waste container. Avoid dust formation. **Do not let come in contact with acids.** If mixed, dike the spill. Prevent liquid from entering sewers, waterways or low areas. Absorb spillage in inert material. 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 may require pre-treatment. Contaminated surfaces should be cleaned and wet vacuumed after all visible traces have been removed.

7. HANDLING AND STORAGE

Precautions To Be Taken In Handling And Storage: Avoid breathing dust at concentrations greater than exposure limits. Avoid contact with eyes, skin, and clothing. Store in a cool, dry, well ventilated area. Keep away from heat and sources of ignition. Minimize dust generation and accumulation. Dust may form explosive mixtures in air. Keep containers closed. Do not store with incompatible materials such as acids and oxidizing material. Wear respiratory protection whenever exposure to vapor is likely. 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.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: Avoid breathing dust/ mist/vapor. Wear OSHA approved dust filter respirator if TLV is to be exceeded. Respirator type: N95 Particulate Filter. A full-face positive-pressure air-supplied respirator must be worn if hazardous decomposition products are likely to be released or have been released to protect from exposure to hydrogen sulfide gas.
Ventilation: Good ventilation of 10 room volumes per hour. Ventilation rates should match conditions of use.
Protective Gloves: Impervious gloves are recommended.

Eye Protection: Close fitting chemical safety glasses with faceshield.
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.
Exposure Guidelines: See Section 2.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance And Odor: light yellow flakes, pungent odor.
Solubility In Water: appreciable

Boiling Point: 293ºF to 346ºF	Vapor Pressure: Negligible	
Specific Gravity: 1.858 (flake)	Working solution: 1.69	Melting Point: 195.8 ºF
Freezing Point: 197 ºF	Evaporation Rate: Not applicable	Percent Volatile: 0
Vapor Density: Not applicable	Ph: Not applicable (strongly alkaline)	
Molecular Weight: N.E.	Pounds Per Gallon: N.E.	
Other Properties: V.O.C. = 0		

10. STABILITY AND REACTIVITY

Stability: Stable
Conditions To Avoid: Heat and ignition sources.
Incompatibility: Strong acids; strong oxidizing agents. Contact with acid liberates flammable material. Contact with acid liberates toxic gas. Contact with acids liberates hydrogen sulfide.
Hazardous Decomposition Or By Products: Hydrogen sulfide.
Hazardous Polymerization: Will Not Occur

11. TOXICOLOGICAL INFORMATION

12. ECOLOGICAL INFORMATION

13. DISPOSAL CONSIDERATIONS

Discharge, treatment or disposal may be subject to Federal, State (provincial in Canada) or local laws.

14. TRANSPORT INFORMATION

Limited Quantity Exception apply to this product, for “inner packagings not over 1.0L (0.3 gal) for liquids and 1.0 kg (2.2 lb) for solids”. 173.154 (b) (1). Each package must conform to the packaging requirements of Subpart B of Part 173 and may not exceed 30 kg (66 lb) gross weight. For further information consult the 49 CFR.

DOT Class: CONSUMER COMMODITY, ORM-D
Hazard Class: NOT APPLICABLE
UN No.: NOT APPLICABLE
Packing Group: NOT APPLICABLE
Guide No: NOT APPLICABLE
Ship Name: NOT APPLICABLE

For quantities greater than 2.2 pounds the following:

Proper shipping name: SODIUM SULFIDE, HYDRATED
Hazard Class: 8
UN No.: 1849
Packing Group: II
Guide No: 153

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 m/L
Vapor Pressure: N.E. mm Hg@ 20 Degrees C

16. OTHER INFORMATION (HMIS)

Health: 3
Flammability: 1
Reactivity: 0

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 injuries from the use of the product described herein.