

# SYSTEMS CLEANER TAD

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: Photo Systems, Inc.  
7200 Huron River Drive, Dexter, MI 48130  
Product Number: **180400, 180401**

Product Name: **SYSTEMS CLEANER TAD**

Date Prepared: 10/02/2007  
1-800-521-4042

**Customer Information Phone Number:**

**CHEMTREC®: 24 Hour Emergency Transport Phone Number: 1-800-424-9300**

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS</u>	<u>OHSA PEL</u>	<u>ACGIH TLV</u>	<u>Weight %</u>
SODIUM BICHROMATE	10588-1-9	0.1mg/m <sup>3</sup>	0.05mg/m <sup>3</sup> as CHROMIUM	10-15
SULFURIC ACID	7664-93-9	1mg/m <sup>3</sup>	STEL = 3 mg/m <sup>3</sup> TLV = 1mg/m <sup>3</sup>	10-15

## 3. HAZARDOUS IDENTIFICATION

Emergency Overview: **CORROSIVE!**

### POTENTIAL HEALTH EFFECTS

Eye Contact: Corrosive to eyes. Prolonged contact may cause blindness.

Inhalation: May cause severe irritation of the respiratory tract and nasal septum and possible perforation.

Ingestion: Ingestion or dermal absorption of large amounts may result in kidney failure.

Skin Contact: Substance is corrosive. Cause severe skin burns.

Signs And Symptoms Of Exposure: Severely irritating to respiratory tract, eyes, skin and digestive tract.

## 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. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion: If swallowed, DO NOT induce vomiting. Give large quantities of water. If available, give several glasses of milk. Call a physician or poison control center immediately. Accident victims should be given 5-10 gm ascorbic acid 'not effervescent tablets' dissolved in water. This dose can be repeated several times.

Skin Contact: Immediately wash contaminated areas with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and footwear and wash clothing before reuse. Discard footwear which cannot be decontaminated. Seek medical attention immediately.

Aggravated Medical Conditions: Preexisting disorders affecting target organs including the liver and kidneys.

Supplemental Health Information: OXIDIZER, POTENTIAL CANCER HAZARD. Massive overexposure to solutions of this product could lead to kidney failure and death.

## 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: Foam, water fog, carbon dioxide, or dry chemical.  
Special Fire-Fighting Procedures: Wear self-contained NIOSH/MSHA approved positive pressure breathing apparatus and protective clothing to prevent contact with skin and eyes.  
Unusual Fire And Explosion Hazards: Oxidizers.  
Combustion Products: Sulfur oxides.

## 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. 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.

## 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 for chromic acid fumes or mist may be generated.

Ventilation: Provide exhaust ventilation sufficient to keep the airborne concentration of this product below its exposure limits. Exhaust air may need to be cleaned by scrubbers or filters to reduce environmental contamination

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.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance And Odor: Clear orange liquid.	Solubility In Water: Complete	
Boiling Point: N.E.	Vapor Pressure: N.E.	Specific Gravity: 1.136
Melting Point: Not applicable	Freezing Point: N.E.	Evaporation Rate: <1
Vapor Density: <3.4 (air=1)	Percent Volatile: 80.79	Ph: < 1.0
Molecular Weight: Not applicable	Pounds Per Gallon: 9.47	V.O.C. = 0

**10. STABILITY AND REACTIVITY**

Stability: Stable  
Conditions To Avoid: Heat and strong oxidizers.  
Incompatibility: Avoid contact with organic materials, oil, greases, or any easily oxidizable material.  
Nitrates, carbides, and chlorates.  
Hazardous Decomposition Or By Products: None  
Hazardous Polymerization: Will Not Occur  
Conditions To Avoid: Heat

**11. TOXICOLOGICAL INFORMATION****12. ECOLOGICAL INFORMATION**

Sodium bichromate poses an environmental hazard.

**13. DISPOSAL CONSIDERATIONS**

Remove nonusable 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 pretreatment.

**14. TRANSPORT INFORMATION**

DOT Class: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.  
(Contains Sulfuric Acid and Chromic Acid)  
Hazard Class: 8  
UN No.: 3264  
Packing Group: II  
Guide No: 154  
Ship Name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Contains Sulfuric Acid and Chromic Acid)

Limited Quantity Exception may 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

## 15. REGULATORY INFORMATION

TSCA: All ingredients in this finished product are listed on the EPA TSCA INVENTORY.

SARA TITLE III: Chromic Acid and Sulfuric Acid are listed under SARA TITLE III, Section 313, and listed under Hazard Categories Immediate (Acute), Delayed (chronic), and Fire Hazards.

CALIF. PROP. 65: This product contains a mixture including chromic acid. The following information is required by the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986, or Proposition 65. This regulation does not address de minimus levels; therefore, even trace amounts of the chemicals included on Proposition 65's list of chemicals known to the State of California to cause cancer or reproductive toxicity must be noted with the "Safe Harbor" wording. WARNING: This product contains chromic acid known to the state of California to cause cancer, birth defects, or other reproductive harm.

CARCINOGENICITY: THE CHROMIC ACID COMPONENTS OF THIS CHEMICAL ARE LISTED BY IARC, NTP, OR OSHA AS A CARCINOGENS.

### SCAQMD Rule 443.1

Photochemically Reactive: No

Maximum Grams of VOC per Liter: 0 gm/L

Vapor Pressure: N.E. mmHg@ 20°C

## 16. OTHER INFORMATION (HMIS)

Health: 3

Flammability: 0

Reactivity: 1

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.