

# XL CHROMATE FREE PROCESSOR CLEANER CONCENTRATE

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: Photo Systems, Inc.

7200 Huron River Dr., Dexter, MI 48130

Product Name: **CHROMATE FREE PROCESSOR CLEANER**

Product Number: **192400**

**Product Use:** Photographic processor cleaner

**Customer Information Phone Number:**

1-734-424-9625

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

Date Reviewed: 9/4/2015

Version: 3.0

## 2. HAZARDOUS IDENTIFICATION

### 2.1 Classification of the substance or mixture

#### Health hazard

Acute toxicity, Oral (Category 4), H302

Acute toxicity, Inhalation (Category 4), H332

Acute toxicity, dermal (Category 4), H312

Skin irritation (Category 1), H314

Eye irritation (Category 2B), H320

Acute aquatic toxicity (Category 3), H402

Chronic aquatic toxicity (Category 3), H412

### 2.2 GHS Label elements, including precautionary statements

#### Pictogram



**Signal Word: WARNING**

#### Hazard statement(s)

H302 Harmful if swallowed, in contact with skin or if inhaled

H314 May cause skin irritation

H320 May cause slight eye irritation

H412 Harmful to aquatic life with long lasting effects.

#### Precautionary statement(s)

P261 Avoid breathing mist, vapours, or spray

P264 Wash skin thoroughly after handling

- P270 Do not eat, drink, or smoke when using this product  
 P273 Avoid release to the environment  
 P280 Wear protective gloves, eye protection  
 P301 + P312 IF SWALLOWED: all POISON CENTER or doctor if feeling unwell.  
 P302 + P352 IF ON SKIN: Wash with plenty of soap  
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS	OHSA PEL	ACGIH TLV	Weight %
FERRIC AMMONIUM EDTA	21265-50-9	50 ppm	25 ppm	35-45
AMMONIUM THIOCYANATE	1762-95-4	N.E.	N.E.	35-45

### 4. FIRST AID MEASURES

#### 4.1 Description of first aid measures

**Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

**Inhalation:** If symptomatic, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

**Ingestion:** If swallowed, give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

**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.

### 5. FIRE FIGHTING MEASURES

#### 5.1 Extinguishing media

Use water spray, foam, water fog, carbon dioxide, dry chemical.

#### 5.2 Special Hazards arising from substance or mixture

Not considered a flammable or combustible material. Fire or excessive heat may cause production of hazardous decomposition products.

Combustion Products: Thermal decomposition may produce toxic gases such as ammonia, sulfur dioxide, hydrogen sulfide, hydrogen cyanide, carbon disulfide, carbon oxides and nitrogen oxides.

#### 5.3 Advise for firefighters

Wear self-contained breathing NIOSH/MSHA approved apparatus and protective clothing to prevent contact with skin and eyes.

### 6. ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment and emergency procedures

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. Ventilate enclosed area to prevent formation of toxic and/or oxygen-deficient atmosphere. 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.

## **6.2 Environmental precautions**

Prevent liquid from entering sewers, waterways or low areas. Discharge to sewer requires approval of permitting authority and may require pre-treatment. Contaminated surfaces should be cleaned using water.

## **7. HANDLING AND STORAGE**

### **7.1 Precautions for safe handling**

Avoid prolonged and /or repeated skin and eye contact and inhalation of mist. Store in a cool, dry, well-ventilated area. Keep containers closed. Do not store or consume food, drink, or tobacco where they may become contaminated with this material.

### **7.2 Conditions for safe storage, including any incompatibles**

Do not store with incompatible materials such as acids and oxidizers. All labeled precautions must be observed when handling, storing and transporting empty containers due to product residues. Triple rinse before disposal. Dispose of in a licensed facility.

## **8. EXPOSURE CONTROL / PERSONAL PROTECTION**

### **8.1 Control parameters**

See Section 3.

### **8.2 Exposure controls**

Use good personal hygiene when handling this product. Wash hands after use, before smoking, or using the toilet. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

#### **Personal protective equipment**

**Eye Protection:** Safety goggles.

**Respiratory Protection:** Use of respiratory protection is generally not required. However, if use conditions generate vapors or fumes, use a NIOSH approved organic vapor respirator.

**Skin protection:** Nitrile, rubber, or neoprene waterproof gloves are recommended.

**Body protection:** Rubber or plastic apron.

**Respiratory protection:** Local exhaust ventilation is recommended. Ventilation must be adequate to keep hazardous ingredients below their exposure limits.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance And Odor: Dark Brown, slight ammonia.

Solubility In Water: Complete

Flash Point: Nonflammable

Boiling Point: 100°C

Vapor Pressure: 18 mm Hg @ 20°C

Specific Gravity: 1.23

Melting Point: Not applicable

Freezing Point: N.E.

Evaporation Rate: N.E.

Vapor Density: N.E.

Percent Volatile: 55.62

Ph: 6.50

Molecular Weight: Not applicable

Pounds Per Gallon: 10.26

V.O.C. is 19.15 g/L, or 1.56%, or 0.16 lb./gal.

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

Stable

### 10.3 Possibility of hazardous reactions

No data available

### 10.4 Conditions to avoid

Metals such as aluminum, copper, copper alloys, nickel, and zinc.

Aqueous solution in contact with aluminum evolves hydrogen.

### 10.5 Incompatible Materials

Strong oxidizers and acids.

### 10.6 Decomposition Products

Ammonia, hydrogen cyanide, and oxides of nitrogen and carbon, and ammonia.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information of toxicological effects

#### Component information

#### *Ferric Diammonium EDTA 68413-60-5*

#### Acute toxicity:

Oral: LD50 (rats): is expected to be greater than 5,000 mg/kg based on similar products.

Dermal: No data  
Inhalation: No data

**Skin irritation:** Rabbit  
Non irritant  
**Eye irritation:** Rabbit  
No eye irritation (OECD Test Guideline 405).  
**Carcinogenicity/mutagenicity:** none

***Ammonium Thiocyanate 1762-95-4***

**Acute toxicity:**  
Oral: LD50 (rats): 750 mg/kg  
Dermal: No data available  
Inhalation: No data available

**Skin irritation:** Not sensitizing to guinea pig skin in maximization test.

**Eye irritation:** No data available

**Carcinogenicity/mutagenicity:** none

**Reproductive toxicity:** No data available

## 12. ECOLOGICAL INFORMATION

### Component information

***Ferric Diammonium EDTA 68413-60-5***

#### 12.1 Toxicity

No experimental ecological data are available for the mixture as such. From structurally related products, the following may be expected.

Toxicity to fish	LC0-Oncorhynchus mykiss - > 100 mg/l – 96h
Toxicity to daphnia	EC50 – Daphnia magna (Water flea) → 100 mg/l – 48h
Toxicity to algae	EC50 – Pseudokirchneriella subcapitata - > 100 mg/l – 72 h (OECD Test Guideline 201).

#### 12.2 Biodegradation

This product is not readily biodegradable.

#### 12.3 Bioaccumulative potential

Bioaccumulation in fish and other aquatic species is not expected due to the high water solubility.

#### 12.4 Chemical fate

This product is not expected to undergo hydrolysis. The substance is not expected to enter the atmosphere significantly due to its high water solubility.

**12.5 Result of PBT and vPvB assessment**

Assessment not available as chemical assessment not required/not conducted

**Ammonium Thiocyanate 1762-95-4****12.1 Toxicity**

**This product is expected to be harmful to aquatic life. Do not release into water.**

Toxicity to fish	LC0-Oncorhynchus mykiss - 65mg/l – 96h
Toxicity to daphnia	EC50 – Daphnia magna (Water flea) –3.56 mg/l – 48h
Toxicity to algae	ErC50 – Selenastrum capricornutum – 444 mg/l – 72 h

**12.2 Biodegradation**

This product is readily biodegradable in closed bottle test.

**12.3 Bioaccumulative potential**

No data available

**12.4 Mobility in soil**

No data available

**12.5 Result of PBT and vPvB assessment**

Assessment not available as chemical assessment not required/not conducted

**12.6 Other adverse effects**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Harmful to aquatic life with long lasting effects.

**13. DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods****Product**

Preferred options for disposal are to send to licensed reclaimers, or to permitted incinerators. Any disposal practice must be in compliance with federal, state, and local regulations.

**14. TRANSPORT INFORMATION****DOT (US)**

Not regulated

**15. REGULATORY INFORMATION****SARA 302 Components**

The following components are subject to reporting levels established by SARA Title III, Section 302:  
None

**SARA 313 Components**

The following components are subject to reporting levels established by SARA Title III, Section 313:  
None\*

# SAFETY DATA SHEET



\*Contains thiocyanic acid, ammonium salt which is reportable under the "ammonia compounds" category under Sec. 313.

## **SARA 311/312 Hazards**

Acute Health hazard, Chronic Health Hazard

## **California Prop 65 Components**

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

## **TSCA**

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

## **SCAQMD Rule 443.1**

Photochemically Reactive: No  
Maximum Grams of VOC per Liter: 19.15 g/L  
Vapor Pressure: 18 mm Hg@ 20 Degrees C

## **16. OTHER INFORMATION**

**Full text of H-statements referred to under sections 2 and 3.**

Acute toxicity, Oral (Category 4), H302  
Acute toxicity, Inhalation (Category 4), H332  
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Skin irritation (Category 1), H314  
Eye irritation (Category 2B), H320  
Acute aquatic toxicity (Category 3), H402  
Chronic aquatic toxicity (Category 3), H412

## **HMIS RATING**

Health: 1  
Chronic Health Hazard \*  
Flammability: 0  
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 the injuries from the use of the product described herein.