

# MATERIAL SAFETY DATA SHEET

## ITEK PHOTOGRAPHIC PROCESSOR CLEANER

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Distributed by: Mark Andy Print Products

201 W. Oakton St., Des Plaines, IL 60018

Product Name: **PHOTOGRAPHIC PROCESSOR CLEANER**

Product Number: **13284**

**Product Use:** Cleaning Solution

**Customer Information Phone Number:** 1-800-225-4835

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

Date Reviewed: 9/28/2015

Version: 2.0

### 2. HAZARDOUS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

##### Health hazard

Acute Toxicity, Oral (Category 2), H300

Acute Toxicity, Inhalation (Category 4), H332

Acute Toxicity, Dermal (Category 4), H312

Skin corrosion, (Category 1B), H314

Serious eye damage, (category1), H318

Respiratory sensitisation (Category 1), H334

Carcinogenicity (Category 1B), H350

Acute aquatic toxicity (Category1), H410

#### 2.2 GHS Label elements, including precautionary statements

##### Pictogram



**Signal Word: DANGER**

**CORROSIVE, TOXIC CHROMIC AND SULFAMIC ACID SOLUTION** (Addition of sodium bichromate to sulfamic acid forms a sulfamic and chromic acid solution).

##### Hazard statement(s)

H300 Fatal if swallowed

H312 + H332 Harmful in contact with skin or if inhaled

H314 + H318 Causes severe skin burns and eye damage.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H340 + H350 + H360

May cause genetic defects; may cause cancer; and may damage fertility or the unborn

# MATERIAL SAFETY DATA SHEET

child.  
H410 Very toxic to aquatic life with long lasting effects.

## Precautionary statement(s)

P201 Obtain special instruction before use.  
P261 Avoid breathing mist  
P264 Wash skin thoroughly after handling  
P270 Do not eat, drink, or smoke when using this product  
P273 Avoid release into the environment.  
P280 Wear protective gloves, eye protection  
P301 + P310 + P330 + P331  
IF SWALLOWED; call a POISON CENTER or doctor/physician immediately. Do not induce vomiting  
P303 + P361 + P353 IF ON SKIN: take off immediately all contaminated clothing and rinse skin with water shower.  
P304 + P340 + P310 IF INHALED: Remove to fresh air. Immediately call a POISON CONTROL or doctor.  
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CONTROL or doctor.  
P363 Wash contaminated clothing before reuse  
P391 Collect spillage  
P501 Dispose of contents to an approved waste disposal plant.

## 3. 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	5-10
SULFAMIC ACID	5329-14-6	N.E.	N.E.	5-10

## 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

**Eye Contact:** Immediately flush eyes with water for at least 15 minutes, forcibly holding eyelids apart to ensure complete irrigation. Remove contact lenses if present and continue flushing. 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. If conscious, irrigate nasal passages and mouth with water.

**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. Ascorbic acid converts Cr6 to Cr3.

**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:** Individuals who are under the care of a physician or have chronic ailments such as asthma or should consult a physician before using this product. Persons with skin, liver, kidney, and respiratory disorders may be at increased risk from exposure.

# MATERIAL SAFETY DATA SHEET

**Supplemental Health Information:** OXIDIZER, POTENTIAL CANCER HAZARD. Massive overexposure to solutions of this product could lead to kidney failure and death. Sodium Dichromate contains hexavalent chromium which is classified as an IARC (Group 1) carcinogen and a known carcinogen by NTP. Chronic effects of repeated or prolonged exposure to sodium dichromate (pure component) may cause nasal perforation, skin ulceration, chronic rhinitis, pharyngitis, kidney and liver damage, inflammation of the larynx, changes in the blood and increased risk of developing lung cancer.

## 5. FIRE FIGHTING MEASURES

### 5.1 Extinguishing media

Nonflammable - Foam, water fog, carbon dioxide, or dry chemical. Any applicable to the primary cause of the fire.

### 5.2 Special Hazards arising from substance or mixture

Fire or excessive heat may cause production of hazardous decomposition products. Unusual Fire And Explosion Hazards: Oxidizer. Avoid contact with organic material. Combustion Products: Carbon dioxide, carbon monoxide, chromic oxides, Na<sub>2</sub>O.

### 5.3 Advise for firefighters

Wear self-contained NIOSH/MSHA approved positive pressure breathing 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. Clean up personnel should wear appropriate protective equipment including respiratory protection. 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. For a large spill, neutralize acid solution with a weak base such as soda ash or caustic soda or lime. Since the solution contains chromium ions, contact local ordinances to determine if the hexavalent chromium needs to be treated with a reducing agent before disposal. RUN OFF WATER IS TOXIC.

### 6.2 Environmental precautions

Prevent liquid from entering sewers, waterways or low areas. Place in a closed, labeled container for later disposal or reduce hexavalent chromium to trivalent. 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

Wear personal protective equipment. Avoid inhalation of product vapors. Wear respiratory protection where there is risk of exposure to this vapor or mist. Do not get in eyes, on skin, or on clothing. Avoid prolonged exposure. Wash contaminated clothing before reuse. Wash thoroughly with soap and water after handling. Do not allow entry into sewers and waterways. Store in a cool, dry, well-ventilated area.

# MATERIAL SAFETY DATA SHEET

## 7.2 Conditions for safe storage, including any incompatibles

Store in a cool, dry, well-ventilated area. Do not store with incompatible materials. All labeled precautions must be observed when handling, storing and transporting empty containers due to product residues. Keep containers tightly closed, labeled, and away from combustible materials. Do not store or consume food, drink, or tobacco where they may become contaminated with this material. Triple rinse before disposal.

## 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. Exposure Guidelines: See Section 2.

#### Personal protective equipment

**Eye Protection:** Chemical safety goggles/splash shield.

**Respiratory Protection:** Use NIOSH/MSHA approved respirator for chromic acid fumes or mist may be generated.

**Skin protection:** Rubber or nitrile chemical proof gloves are recommended.

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

**Ventilation protection:** 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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance And Odor: Orange-red aqueous liquid, odorless.

Solubility In Water: Complete

Boiling Point: Not established

Flash Point: Nonflammable

Vapor Pressure: Not established

Specific Gravity: 1.107

Melting Point: Not applicable

Freezing Point: Not established

Evaporation Rate: Not established

Vapor Density: Not established

Percent Volatile: 83.19

Ph: < 1

Molecular Weight: Not applicable

Pounds Per Gallon: 9.22

V.O.C. = 0

# MATERIAL SAFETY DATA SHEET

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

No data available

### 10.4 Conditions to avoid

High temperatures

### 10.5 Incompatible Materials

Oxidizing materials. Avoid contact with organic materials, oil, greases, or any easily oxidizable material. Nitrates, carbides, and chlorates.

### 10.6 Decomposition Products

Sulfur dioxide, oxides of carbon.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information of toxicological effects

#### Component information

#### ***Sodium Bichromate 7789-12-0***

##### **Acute toxicity:**

Oral: LD50 (rats): 50 mg/kg

Dermal: No data

Inhalation: No data

**Skin irritation:** No data

**Eye irritation:** No data

**Germ cell mutagenicity:** May alter genetic material. In vivo test showed mutagenic effects.

**Carcinogenicity:** rat –Intratracheal

Tumorigenic: Carcinogenic by RTECS criteria. Lungs, Thorax, or respiration: Tumors.

Possible human carcinogen.

**Reproductive toxicity:** May cause congenital malformation in the fetus. Presumed human reproductive toxicant.

**Specific Target Organ toxicity – repeated exposure**

Inhalation.

#### ***Sulfamic Acid 5329-14-6***

##### **Acute toxicity:**

Oral LD50 – (rat) 3,160 mg/kg

Inhalation LC50 No data available

Dermal LD50: No data available

# MATERIAL SAFETY DATA SHEET

**Skin corrosion/irritation:** (rabbit) Moderate skin irritation  
(human) Mild skin irritation  
**Eye irritation:** (rabbit) Moderate eye irritation  
**Respiratory or Skin Sensitization** No data available  
**Carcinogenicity/mutagenicity:**

IARC: No component of this product greater or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product presents at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product presents at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by NTP.

OSHA: No component of this product presents at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

## 12. ECOLOGICAL INFORMATION

### Component information

#### ***Sodium Bichromate 7789-12-0***

##### **12.1 Toxicity**

Toxicity to fish LC50 – Pimephales promelas – 33.2 mg/l – 96h  
Toxicity to daphnia LC50 – Daphnia magna (Water flea) – 0.035 mg/l – 48 hrs.

##### **12.2 Persistence and degradability**

Hexavalent chromium may react with particulate matter or pollutants to form CR (III). In general, Chromium is removed from the atmosphere through wet and dry disposition.

##### **12.3 Bioaccumulative potential**

Does not bioaccumulate

##### **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

#### ***Sulfamic Acid 5329-14-6***

##### **12.1 Toxicity**

Toxicity to fish LC50 – Pimephales promelas (fathead minnow) – 70.3 mg/l -96 h

# MATERIAL SAFETY DATA SHEET

## 12.2 Persistence and degradability

This product is not readily biodegradable.

## 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

## 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. Do not dump into sewers, ground, or any body of water. EPA Characteristic: D002.

## 14. TRANSPORT INFORMATION

### DOT (US)

DOT Class: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.

(Contains Sulfamic Acid and Sodium Dichromate)

Hazard Class: 8, 6.1

UN No.: 3264

Packing Group: III

Guide No: 154

Ship Name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Sulfamic Acid and Sodium Dichromate)

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

## 15. REGULATORY INFORMATION

### SARA 302 Components

The following components are subject to reporting levels established by SARA Title III, Section 302:

None

# MATERIAL SAFETY DATA SHEET

## SARA 313 Components

The following components are subject to reporting levels established by SARA Title III, Section 313: Sodium Dichromate is listed and reportable under chromium compounds.

Sodium dichromate dehydrate                      Ca s# 7789-12-0                      Rev. 1993-04-24

## SARA 311/312 Hazards

Acute Health Hazard, Chronic Health Hazard

## California Prop 65 Components

This product contains a mixture including sodium dichromate. 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 sodium dichromate known to the state of California to cause cancer, birth defects, or other reproductive harm.

**CERCLA:** Sodium dichromate is a CERCLA hazardous substance with a reportable quantity (RQ) of 10 pounds.

## 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: 0  
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 2), H300  
Acute Toxicity, Inhalation (Category 4), H332  
Acute Toxicity, Dermal (Category 4), H312  
Skin corrosion, (Category 1B), H314  
Serious eye damage, (category1), H318  
Respiratory sensitisation (Category 1), H334  
Carcinogenicity (Category 1B), H350  
Acute aquatic toxicity (Category1), H410

## HMIS RATING

Health: 3  
Chronic Health Hazard \*  
Flammability: 0  
Reactivity: 1



## **MATERIAL SAFETY DATA SHEET**

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.