



# FREESTYLE PHOTOGRAPHIC SUPPLIES

## KENTMERE PROFESSIONAL

### KTOL DEVELOPER PART A

#### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: Photo Systems, Inc.

Product Number: 747716P

Customer Information Phone Number:

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

Product Name: **KTOL DEVELOPER PART A**

Date Prepared: 05/01/2007

1-800-521-4042

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS</u>	<u>OHSA PEL</u>	<u>ACGIH TLV</u>	<u>Weight %</u>
SODIUM SULFITE	7757-83-7	N.E.	5mg/m <sup>3</sup>	85-95
SODIUM METABORATE	16800-11-6	15mg/m <sup>3</sup>	5mg/m <sup>3</sup>	5-10
PENTETIC ACID, PENTASODIUM SALT	140-01-2	N.E.	N.E.	1-5

#### 3. HAZARDOUS IDENTIFICATION

##### POTENTIAL HEALTH EFFECTS

Eye Contact: Dust exposure may cause irritation to eyes.

Inhalation: May cause irritation to nasal mucous membranes and respiratory tract. Airborne dust is irritating. In contact with acids or if heated may liberate sulphur dioxide gas which is irritating. Some asthmatics or hypersensitive persons may experience difficulty breathing.

Ingestion: May be harmful if swallowed. Some asthmatics or sulfite-sensitive individuals may experience wheezing, chest tightness, stomach upset, hives, faintness, weakness and diarrhea.

Skin Contact: Irritating to the skin. Some sulfite sensitive individuals may experience an allergic reaction. Can be absorbed through the skin.

Signs And Symptoms Of Exposure: Some asthmatics or sulfite-sensitive individuals may experience wheezing, chest tightness, stomach upset, hives, weakness, and diarrhea. Other signs of exposure are: eye irritation, respiratory irritation, dermatitis, difficulty breathing, abdominal pain, skin irritation, mucus membrane irritation, coughing, nausea, diarrhea.

#### 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. Some asthmatics or sulfite-sensitive persons may experience wheezing, chest tightness, stomach upset, hives, faintness, weakness and diarrhea. 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: Use agent appropriate for surrounding fire.

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.

Decomposition Products: Concentrate: Carbon dioxide, carbon monoxide, and oxides of sulfur.

## 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 using water.

## 7. HANDLING AND STORAGE

Precautions To Be Taken In Handling And Storage: Do not breathe dust. Avoid contact with eyes and skin. 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.

## 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 respirator should be worn if hazardous decomposition products are likely to be released. Respirator type: Acid gas.

Ventilation: Good ventilation of 10 room volumes per hour. Ventilation rates should match conditions of use.

Protective Gloves: Latex, rubber, or neoprene waterproof 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: Off white powder, no odor. Solubility In Water: Complete  
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: Stable  
Conditions To Avoid: Moisture  
Incompatibility: Strong acids; contact with strong acids liberates sulphur dioxide.  
Hazardous Decomposition Or By Products: May produce carbon dioxide, carbon monoxide and  
oxide of sulfur under thermal conditions.  
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: 2

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 injuries from the use of the product described herein.



# FREESTYLE PHOTOGRAPHIC SUPPLIES

## KENTMERE PROFESSIONAL

### KTOL DEVELOPER PART B

#### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: Photo Systems, Inc.

Product Name: **KTOL DEVELOPER PART B**

Product Number: **747716P**

Date Prepared: 05/01/2007

Customer Information Phone Number:

1-800-521-4042

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

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS</u>	<u>OHSA PEL</u>	<u>ACGIH TLV</u>	<u>Weight %</u>
SODIUM SULFITE	7757-83-7	N.E.	N.E.	70-75
SODIUM ERYTHROBATE	6381-77-7	N.E.	N.E.	15-20
SODIUM METABISULFITE	7681-57-4	N.E.	5mg/m <sup>3</sup>	5-10

#### 3. HAZARDOUS IDENTIFICATION

##### POTENTIAL HEALTH EFFECTS

Eye Contact: Dust exposure may cause irritation to eyes.

Inhalation: May cause irritation to nasal mucous membranes and respiratory tract. Airborne dust is irritating. In contact with acids or if heated may liberate sulphur dioxide gas which is irritating.

Some asthmatics or hypersensitive persons may experience difficulty breathing.

Ingestion: May be harmful if swallowed. Some asthmatics or sulfite-sensitive individuals may experience wheezing, chest tightness, stomach upset, hives, faintness, weakness and diarrhea.

Skin Contact: Low hazard for recommended handling. Some sulfite sensitive individuals may experience an allergic reaction. Can be absorbed through the skin.

Signs And Symptoms Of Exposure: Some asthmatics or sulfite-sensitive individuals may experience wheezing, chest tightness, stomach upset, hives, weakness, and diarrhea. Other signs of exposure are: eye irritation, respiratory irritation, dermatitis, difficulty breathing, abdominal pain, skin irritation, mucus membrane irritation, coughing, nausea, diarrhea.

#### 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: Some asthmatics or sulfite-sensitive persons may experience wheezing, chest tightness, stomach upset, hives, faintness, weakness and diarrhea. 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. Dust may form explosive mixture in air.

Decomposition Products: Concentrate: Carbon dioxide, carbon monoxide, and oxides of sulfur.

## 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. Avoid dust formation. 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 using water.

## 7. HANDLING AND STORAGE

Precautions To Be Taken In Handling And Storage: Do not breathe dust. Avoid contact with eyes and skin. 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.

## 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 respirator should be worn if hazardous decomposition products are likely to be released. Respirator type: Acid gas.

Ventilation: Good ventilation of 10 room volumes per hour. Ventilation rates should match conditions of use.

Protective Gloves: Latex, rubber, or neoprene waterproof 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: Off white powder, no odor.

Solubility In Water: Complete

# MATERIAL SAFETY DATA SHEET



Boiling Point: Not applicable  
Specific Gravity: Not applicable  
Evaporation Rate: Not applicable  
Ph: Not applicable  
Other Properties: V.O.C. = 0

Vapor Pressure: Negligible  
Melting Point: N.E.  
Vapor Density: Not applicable  
Molecular Weight: N.E.

Freezing Point: N.E.  
Percent Volatile: 0  
Pounds Per Gallon: N.E.

## 10. STABILITY AND REACTIVITY

Stability: Stable

Conditions To Avoid: Moisture

Incompatibility: Strong acids, strong oxidizing agents. Contact with strong acids liberates sulphur dioxide.

Hazardous Decomposition Or By Products: May produce carbon dioxide, carbon monoxide and oxide of sulfur under thermal conditions.

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

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.