

ACTIVATOR TYPE M

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: Photo Systems, Inc.

Product Number: **804-2004, 804-2003**

Customer Information Phone Number:

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

Product Name: **ACTIVATOR TYPE M**

Date Prepared: 09/28/2007

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>
POTASSIUM HYDROXIDE	1310-58-	N.E.	2mg/m ³	10-20
SODIUM SULFITE	7757-83-7	N.E.	N.E.	10-15
AMINOETHYLETHANOLAMINE	111-14-11	N.E.	N.E.	1-5

3. HAZARDOUS IDENTIFICATION

Emergency Overview: **CORROSIVE**

POTENTIAL HEALTH EFFECTS

Eye Contact: Corrosive to eyes and may cause severe damage including blindness.

Inhalation: Normally no problem but inhalation of mist or vapors could cause respiratory irritation due to corrosive nature of solution.

Ingestion: May cause severe burns and perforation of mucous membranes of mouth, throat, esophagus and stomach.

Skin Contact: Substance is corrosive. Can cause severe skin burns. Some asthmatics and sulfite-sensitive individuals may experience a reaction.

Signs And Symptoms Of Exposure: Eye pain, respiratory irritation, dermatitis, difficulty breathing, abdominal pain, skin irritation, mucous 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. 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. Call a physician or poison control center.

Skin Contact: Wash with soap and water. Get medical attention if irritation develops or persists.

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 and sulfite-sensitive individuals may experience wheezing, chest tightness, stomach upset, hives, diarrhea.

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 Flash Point Method: Not applicable Auto-ignition: Not applicable

LEL: Not applicable UEL: Not applicable

Extinguishing Media: Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

Special Fire-Fighting Procedures: Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece in positive pressure mode. Move containers from fire area if it can be done without risk. Use water to keep fire-exposed containers cool.

Unusual Fire And Explosion Hazards: None known.

Combustion Products: Carbon dioxide, carbon monoxide, 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. Dike the spill. Neutralize large spills with dilute inorganic acid (hydrochloric, sulfuric, or acetic acid). Flush with water. Prevent liquid from entering sewers, waterways or low areas. Absorb spillage in inert material. Flush spill area with water followed by a liberal covering of sodium bicarbonate. Soak up with sand, or soil. 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. Keep from freezing.

Other Precautions: All labeled precautions must be observed when handling, storing and transporting empty containers due to product residues. Triple rinse before disposal.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: When this product is used in the intended way, no respiratory protection is anticipated to be necessary. Use NIOSH/MSHA approved respirator if chronic acid fumes or mist may be generated or have been released. Respirator type: Acid gas.

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

Protective Gloves: Nitrile, 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.

Exposure Guidelines: See Section 2.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance And Odor: Clear liquid with slight amine odor.

Boiling Point: >100° C Vapor Pressure: 18 mm Hg @ 20° C

Specific Gravity: 1.20 g /ml Melting Point: Not applicable

Evaporation Rate: N.E. Vapor Density: N.E.

Molecular Weight: Not applicable

Other Properties: V.O.C. = 0

Solubility In Water: Complete

Ph: 12.83 for 1+ 18 dilution

Freezing Point: N.E.

Percent Volatile: 77.16

Pounds Per Gallon: 9.99

10. STABILITY AND REACTIVITY

Stability: Stable

Conditions To Avoid: None

Incompatibility: Strong acids and oxidizers.

Hazardous Decomposition Or By Products: Carbon dioxide, carbon monoxide. Sulfur dioxide may form under acidic conditions.

Hazardous Polymerization: Will Not Occur

11. TOXICOLOGICAL INFORMATION**12. ECOLOGICAL INFORMATION****13. DISPOSAL CONSIDERATIONS**

The 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.

14. TRANSPORT INFORMATION

DOT Class: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Contains Potassium Hydroxide)

Hazard Class: 8

UN No.: 3266

Packing Group: II

Guide No: 154

Ship Name: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S (Contains Potassium Hydroxide)

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: Potassium Hydroxide is listed under Sara Title III 304 for CERCLA.

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 g/L

Vapor Pressure: 18 mm Hg@ 20 Degrees C

16. OTHER INFORMATION (HMIS)

Health: 3

Flammability: 0

Reactivity: 0

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.