

FIXER/WASH SYSTEMS CLEANER FYS

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: Photo Systems, Inc.

Product Name: **SYSTEMS CLEANER FYS**

Product Number: **181400, 181401**

Date Prepared: 09/28/2007

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 HYDROXIDE	1310-73-2	2mg/m ³	2mg/m ³	20

3. HAZARDOUS IDENTIFICATION

Emergency Overview: ALKALINE SOLUTION

POTENTIAL HEALTH EFFECTS

Eye Contact: May cause irritation or permanent damage to tissue.

Inhalation: May cause irritation to nasal mucous membranes and respiratory tract.

Ingestion: Alkaline nature of solution may cause irritation or corrosion to digestive tract.

Skin Contact: May cause skin irritation upon contact.

Signs And Symptoms Of Exposure: 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. 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. Vomiting should normally be initiated only on their advise and by the means they specify.

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.

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 agent appropriate for surrounding fire.

Special Fire-Fighting Procedures: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Cool drums with water if overheated by fire.

Unusual Fire And Explosion Hazards: None known.

Combustion Products: Carbon monoxide and carbon dioxide.

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. Dike the spill. Prevent liquid from entering sewers, waterways or low areas. 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. Or dilute the spill with large amounts of water and neutralize with dilute acid. Discharge to sewer requires approval of permitting authority and may require pre-treatment. After all traces have been removed wash area with large amounts of water.

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. Do not touch eyes or face with hands or gloves that may be contaminated with this product.

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

Ventilation: Provide exhaust ventilation sufficient to keep the airborne concentration of this product below its exposure limits.

Protective Gloves: Rubber or neoprene waterproof gloves are recommended.

Eye Protection: Safety glasses with side shields (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: Colorless, odorless liquid.

Boiling Point: >100° C

Melting Point: Not applicable

Vapor Density: Not applicable

Vapor Pressure: N.E.

Freezing Point: N.E.

Percent Volatile: 77.21

Solubility In Water: Complete

Specific Gravity: 1.23

Evaporation Rate: N.E.

Ph: 13.90

(1:10 Working solution = 13.53)

V.O.C. = 0

Molecular Weight: Not applicable

Pounds per Gallon: 10.25

10. STABILITY AND REACTIVITY

Stability: Stable

Conditions To Avoid: Contact with organic materials and concentrated acids.

Incompatibility: Prolonged contact with aluminum, lead, tin, and zinc, magnesium.

Hazardous Decomposition Or By Products: Carbon monoxide.

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.

14. TRANSPORT INFORMATION

Ship Name: CORROSIVE LIQUIDS, BASIC, INORGANIC, N.O.S. (Contains Sodium Hydroxide)

Hazard Class: 8

UN No.: 3266

Packing Group: II

Guide No: 154

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

ORM-D QUANTITIES OF HAZARDOUS MATERIALS ARE EXEMPT FROM LABELING AND SHIPPING DOT REQUIREMENTS

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 gm/L
Vapor Pressure: N.E. mm Hg@ 20°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.