

# PLATE CLEANER

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: Photo Systems, Inc. Product Name: **PLATE CLEANER**  
7200 Huron River Drive, Dexter, MI 48130  
Product Number: **403400** Date Prepared: 10/01/2007  
**Customer Information Phone Number:** 1-800-521-4042  
**CHEMTREC®: 24 Hour Emergency Transport Phone Number: 1-800-424-9300**

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS	OHSA PEL	ACGIH TLV	Weight %
PROPYLENE GLYCOL	107-98-2	100 ppm	100 pm TWA	10-15
MONOMETHYL ETHER				
SODIUM METASILICATE	6834-92-0	N.E.	N.E.	1-5
1, 2-PROPANEDIOL	57-55-6	N.E.	N.E.	< 2
SODIUM HYDROXIDE	1310-73-2	N.E.	2mg/m <sup>3</sup> Ceiling	< 2

## 3. HAZARDOUS IDENTIFICATION

### POTENTIAL HEALTH EFFECTS

Eye Contact: May cause slight irritation on prolonged contact.

Inhalation: Excessive inhalation of vapors and or spray mist can cause respiratory irritation and dizziness.

Ingestion: Alkaline nature of solution can cause gastrointestinal irritation or corrosion to digestive tract. Aspiration of materials into lung can cause chemical pneumonitis.

Skin Contact: Prolonged or repeated exposure can cause moderate irritation, defatting, or dermatitis.

Signs And Symptoms Of Exposure: Eye irritation, respiratory irritation, dermatitis, difficulty breathing, abdominal pain, skin irritation, coughing, nausea, diarrhea.

## 4. FIRST AID MEASURES

Eye Contact: Immediately flush eyes with water for at least 15 minutes, while lifting the eyelids.

Make sure to remove any lenses from the eyes before rinsing. Get immediate medical attention.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Place unconscious person on the side in recovery position and ensure breathing.

Keep the person warm and at rest. Get medical attention immediately.

Ingestion: If swallowed, DO NOT induce vomiting. Give large quantities of milk or water. If vomiting occurs, the head should be kept low so that the vomit does not enter the lungs. Rinse mouth thoroughly. Call a physician or poison control center.

Skin Contact: Wash skin with soap and water. Continue to rinse for 15 minutes. Wash contaminated clothing before re-use. Get medical attention if irritation or allergic reaction develops.

Aggravated Medical Conditions: Allergies, chronic fumes from this product may exacerbate asthma.

Supplemental Health Information: None of the components in this product is listed by IARC, NTP, or OSHA as a 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: Foam, water fog, carbon dioxide, dry chemical.  
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: Containers exposed to intense heat from fires should be cooled with water to prevent vapor pressure buildup which could result in container rupture. Container areas exposed to direct flame should be cooled with large amounts of water.  
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. 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. 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: 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: Avoid inhalation of product vapors. 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  
Protective Gloves: Impervious 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: Clear liquid with slight glycol odor.  
Boiling Point: 100° C Vapor Pressure: N.E.  
Melting Point: Not applicable Freezing Point: 28°C  
Vapor Density: N.E. Percent Volatile: 95.68  
Molecular Weight: Not applicable Pounds Per Gallon: 8.57  
V.O.C. is 178.51 g/L or 17.3% or 1.49 lb/gal.

Solubility In Water: Complete  
Specific Gravity: 1.029  
Evaporation Rate: N.E.  
Ph: 13.48

**10. STABILITY AND REACTIVITY**

Stability: Stable  
Conditions To Avoid: Avoid high temperatures and strong oxidizing agents.  
Incompatibility: Strong acids.  
Hazardous Decomposition Or By Products: Carbon monoxide and carbon dioxide may evolve under extreme conditions.  
Hazardous Polymerization: Will Not Occur  
Conditions To Avoid: High temperatures.

**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 Sodium Hydroxide and Sodium Metasilicate)  
Hazard Class: 8  
UN No.: 3266  
Packing Group: II  
Guide No: 154  
Ship Name: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.  
(Contains Sodium Hydroxide and Sodium Metasilicate)

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: NONE

CALIF. PROP. 65: NONE

CARCINOGENICITY: NONE OF THE COMPONENTS IN THIS CHEMICAL IS ABOVE THE MINIMUM AMOUNT LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.

### SCAQMD Rule 443.1

Photochemically Reactive: No

Maximum Grams of VOC per Liter: 178.51 g/L

Vapor Pressure: N.E. mm Hg@ 20 Degrees C

## 16. OTHER INFORMATION (HMIS)

Health: 2

Flammability: 3

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.