

FREESTYLE PHOTOGRAPHIC SUPPLIES

KENTMERE PROFESSIONAL

INDICATOR STOP BATH

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: Photo Systems, Inc. Product Name: **INDICATOR STOP BATH**
Product Number: **10145** Date Prepared: 01/23/2007
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>
ACETIC ACID	64-19-7	25 mg/m ³ TWA	25 mg/m ³ STEL = 37 mg/m ³	60-80

3. HAZARDOUS IDENTIFICATION

Emergency Overview: **Danger! Poison. Combustible liquid and vapor. Causes burns to skin and eyes. May be fatal or harmful if swallowed. Vapors cause severe respiratory tract irritation.**

POTENTIAL HEALTH EFFECTS

Eye Contact: Corrosive. Direct contact causes burns. Vapors are very irritating.
Inhalation: Will cause severe irritation to respiratory tract. Working solution expected to be low hazard for routine handling.
Ingestion: Corrosive. Material causes irritation and burns to the digestive tract. May be fatal if swallowed. Working solution is expected to be a low ingestion hazard.
Skin Contact: Causes irritation and burns to the skin. Working solution low hazard for routine handling.
Signs And Symptoms Of Exposure: Pain and difficulty breathing.

4. FIRST AID MEASURES

Eye Contact: Immediately flush eyes with water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get immediate medical attention.
Inhalation: Move 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 to dilute stomach contents. Call a physician or poison control center.
Skin Contact: immediately flush with water for at least 15 minutes while removing contaminated clothing. Get medical attention immediately. Wash contaminated clothing before reuse.
Aggravated Medical Conditions: Individuals who are under the care of a physician or have chronic ailments, should consult a physician before using this product. Medical conditions generally aggravated by exposure include asthma, chronic respiratory disease, eye disease, and skin disorders and allergies.
Supplemental Health Information: None of the chemicals in this component is listed by IARC, NTP, or OSHA as carcinogen.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

Flash Point: > 65 °C

Flash Point Method: CC

Extinguishing Media: water spray alcohol foam, carbon dioxide, and dry chemical.

Special Fire-Fighting Procedures:

Concentrate: Wear NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode and full protective clothing to prevent contact with skin and eyes. If leak or spill has not ignited, ventilate area and use water spray to disperse gas or vapor and to protect personnel. Use water to dilute spills and to flush them from sources of ignition

Working solution: Noncombustible

Unusual Fire And Explosion Hazards: Concentrate is dangerous when exposed to heat or flame.

Vapors form flammable or explosive mixtures with air at room temperature. Vapor or gas may spread to distant ignition sources and flash back. Vapors may accumulate in low areas.

Combustion Products: Carbon dioxide, carbon monoxide.

6. ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Spilled Or Released: Eliminate all ignition sources. 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. For small spills, 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. Working solution can be flushed to the sewer with large amounts of water.

7. HANDLING AND STORAGE

Precautions To Be Taken In Handling And Storage: Avoid breathing mist or vapor at concentrations greater than exposure levels. Use only with adequate ventilation. Do not get in eyes, on skin, or on clothing. 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. Destroy contaminated leather items such as belt, shoes, and other items that cannot be decontaminated. Keep away from heat, sparks, and flame. Use non-sparking tools. Wash thoroughly after handling.

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

8. EXPOSURE CONTROL / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: If exposure limits are exceeded or if irritation is experienced, a NIOSH approved respirator should be worn. Respirator type: full-face organic vapor cartridge.

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

Protective Gloves: Rubber or neoprene waterproof gloves are recommended.

Eye Protection: If a full-face respirator is not worn, wear vapor-tight or goggles and full face shield where splashing of solutions are possible. Do not wear contact lenses when working with this substance. For the working solution safety glasses with side shield or goggles are

recommended.

Other Protective Clothing or Equipment: Wear protective clothing suitable to the risk of exposure.

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

Concentrate:

Appearance And Odor: Clear to light yellow liquid with a strong vinegar odor.

Solubility In Water: Complete

Boiling Point: > 100 °C Vapor Pressure: 14.6 mm Hg @ 20° C Specific Gravity: 1.07

Melting Point: Not applicable Freezing Point: N.E. Evaporation Rate: N.E.

Vapor Density: 1.9 (air =1) Percent Volatile: 100.0 Ph: < 2

Molecular Weight: Not applicable Pounds Per Gallon: 8.5

V.O.C. is 80.0%

Working Solution:

Appearance And Odor: Colorless liquid with vinegar odor.

Solubility In Water: Complete

Boiling Point: > 100 °C Vapor Pressure: 18 mm Hg @ 20° C Specific Gravity: 1.0

Melting Point: Not applicable Freezing Point: N.E. Evaporation Rate: N.E.

Vapor Density: 0.6 (air =1) Percent Volatile: 100.0 Ph: 2 -3

Molecular Weight: Not applicable Pounds Per Gallon: 8.3

V.O.C. is 3.2%

10. STABILITY AND REACTIVITY

Stability: Stable

Conditions To Avoid Concentrate: Ignition sources

Incompatibility: Strong oxidizers and bases.

Hazardous Decomposition Or By Products: Irritating and toxic fumes may be emitted upon decomposition. Combustions may produce carbon dioxide and carbon monoxide.

Hazardous Polymerization: Will Not Occur

11. TOXICOLOGICAL INFORMATION

12. ECOLOGICAL INFORMATION

13. DISPOSAL CONSIDERATIONS

Discharge, treatment, or disposal is subject to national, state or local laws. This substance, when discarded is not specifically listed as a hazardous waste in Federal regulations; however, it could be characteristically hazardous if it is considered toxic, corrosive, ignitable, or reactive according to federal definitions (40 CFR 261). The working solution can be flushed to the sewer with large amounts of water.

14. TRANSPORT INFORMATION

Limited Quantity Exception 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

For quantities greater than 0.3 gallon the following:

DOT Class: ACETIC ACID SOLUTION, 80 %
Hazard Class: 8
UN No.: 2790
Packing Group: II
Guide No: 153
Ship Name: ACETIC ACID SOLUTION, 80 %

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: 856 gm/L
Vapor Pressure: 14.6 mmHg@ 20 °C

16. OTHER INFORMATION (HMIS)

Concentrate:

Health: 3
Flammability: 2
Reactivity: 0
Protective: H

Working solution:

Health: 1
Flammability: 0
Reactivity: 0
Protective: A

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.