SUPERMEG STABILIZER

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: Photo Systems, Inc.
7200 Huron River Drive, Dexter, MI 48130
Product Name: **SUPERMEG STABILIZER**
Product Number: **606010, 606290**
Product Use: Stabilizer
Customer Information Phone Number: 1-734-424-9625
CHEMTREC®: 24 Hour Emergency Transport Phone Number: **1-800-424-9300**
Date Reviewed: 5/08/2015
Version: 2.0

2. HAZARDOUS IDENTIFICATION

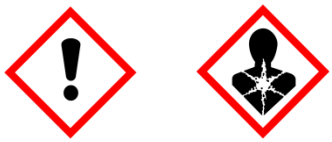
2.1 Classification of the substance or mixture

Health hazard

Acute toxicity, Oral (Category 4), H302
Causes skin irritation (Category 2), H315
Eye irritation (Category 2A), H319
Specific organ toxcity Oral (Category 2), Kidney, H373
Acute aquatic toxicity (Category 3), H402

2.2 GHS Label elements, including precautionary statements

Pictogram



Signal Word: WARNING

Hazard statement(s)

H302	Harmful if swallowed
H315	Causes skin irritation
H319	Causes eye irritation
H373	Specific organ toxicity – repeated exposure, Oral, Kidney
H402	Acute aquatic toxicity

Precautionary statement(s)

P201	Obtain special instructions before use
P260	Avoid breathing mist
P264	Wash skin thoroughly after handling

P270 Do not eat, drink, or smoke when using this product
P273 Avoid release into the environment
P280 Wear protective gloves, eye protection
P301 + P312 IF SWALLOWED; call a POISON CENTER or doctor/physician if you feel unwell
P302 + P352 IF ON SKIN: Wash with plenty of soap
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P330 Rinse mouth.
P501 Dispose of contents to an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS	OHSA PEL	ACGIH TLV	Weight %
PHOSPHORIC ACID	7664-38-2	1 mg/m³	1 mg/m³	5-10
POTASSIUM HYDROXIDE	1310-58-3	N.E.	2mg/m³	5-10
ETHYLENE GLYCOL Aerosol vapor and mist	107-21-1	125 mg/m³ C	100 mg/m³ C,	3-7

4. FIRST AID MEASURES

4.1 Description of first aid measures

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

Inhalation: If symptomatic, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion: Only induce vomiting at the instruction of medical personnel. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

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.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

Nonflammable. Use agent appropriate for surrounding fire.

5.2 Special Hazards arising from substance or mixture

Fire or excessive heat may cause production of hazardous decomposition products.
Combustion Products: Carbon dioxide, carbon monoxide.

5.3 Advise for firefighters

Wear self-contained breathing NIOSH/MSHA approved apparatus and protective clothing to

prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

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.

6.2 Environmental precautions

Prevent liquid from entering sewers, waterways or low areas. Discharge to sewer requires approval of permitting authority and may require pre-treatment. Contaminated surfaces should be cleaned using water.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Store in a cool, dry, well-ventilated area. Keep containers closed. Do not store or consume food, drink, or tobacco where they may become contaminated with this material.

7.2 Conditions for safe storage, including any incompatibles

Do not store with incompatible materials. Do not store with oxidizing materials. All labeled precautions must be observed when handling, storing and transporting empty containers due to product residues. Triple rinse before disposal. Dispose of in a licensed facility.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Control parameters

See Section 3.

8.2 Exposure controls

Use good personal hygiene when handling this product. Wash hands after use, before smoking, or using the toilet. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Personal protective equipment

Eye Protection: Safety glasses with side shields (or goggles).

Respiratory Protection: When this product is used in the intended way, no respiratory protection is anticipated to be necessary. However, if use conditions generate decomposition vapors or fumes; use a NIOSH approved respirator with acid gas cartridges.

Skin protection: Latex, rubber, or neoprene waterproof gloves are recommended.

Body protection: Rubber or plastic apron.

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

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance And Odor: Colorless, odorless solution.
Solubility In Water: Complete
Boiling Point: > 100º C
Flash Point: Nonflammable
Flash Point Method: Not applicable
Auto ignition: Not applicable
LEL: Not applicable
UEL: Not applicable
Vapor Pressure: 18 mm Hg @ 20° C
Ph: 5.5
Specific Gravity: 1.06 g /ml
Melting Point: Not applicable
Freezing Point: <-18° C
Evaporation Rate: N.E.
Vapor Density: Nor established
Percent Volatile: 89.97
Molecular Weight: Not applicable
Pounds Per Gallon: 8.85
V.O.C. is 40.07 g/L or 3.77% or 0.33 lb. /gal.

10. STABILITY AND REACTIVITY

10.1 Reactivity
Stable

10.2 Chemical stability
Conditions To Avoid: None

10.3 Possibility of hazardous reactions
None

10.4 Conditions to avoid
None

10.5 Incompatible Materials
May be incompatible with strong acids.

10.6 Decomposition Products
May produce oxides.

11. TOXICOLOGICAL INFORMATION

11.1 Information of toxicological effects

Component information

Phosphoric Acid 7664-38-2

Acute toxicity:
Oral: LD50 (rats):1,530 mg/kg 50% of test species
Inhalation: no data
Dermal: LD50 (rabbits) – 2,740 mg/kg 50% of test species

Skin irritation: Skin – rabbit, 595 mg/24 h. Severely irritating
Eye irritation: Eyes – rabbit, 119 mg, Severely irritating
Respiratory: No data available
Carcinogenicity/mutagenicity: none
Specific target organ toxicity – repeated exposure
No data available

Ethylene glycol 107-21-1

Acute toxicity:
Oral: LD50 (rats): 4,700 mg/kg
Inhalation: no data
Dermal: LD50 (rabbits) – 10,626 mg/kg

Skin irritation: Skin – rabbit, not irritant
Eye irritation: Eyes – rabbit, Mild eye irritation - 24h
Not considered to be a human eye irritant in normal industrial use.
Respiratory or skin sensitization: No data available
Carcinogenicity/mutagenicity: none
Specific target organ toxicity – repeated exposure
Oral -May cause damage to organs through prolonged exposure. – kidney
Aspiration hazard: No data available

Potassium Hydroxide 1310-58-3

Acute toxicity:
No data available
Dermal
No data available
Inhalation: no data
No data available
Skin irritation: no data
Eye irritation: no data
Respiratory or Skin Sensitization:
No data available
Carcinogenicity/mutagenicity: None

12. ECOLOGICAL INFORMATION

Component information

Phosphoric Acid 7664-38-2

12.1 Toxicity

Toxicity to fish — LC50-Mosquito fish – 138 mg/l – 96 h Practically nontoxic.

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No specific biodegradation test data located. While acidity of this material is readily reduced in natural waters, the resulting phosphate may persist indefinitely or incorporate into biological systems.

12.5 Result of PBT and vPvB assessment

Assessment not available as chemical assessment not required/not conducted

12.5 Other adverse effects

No data available

Ethylene glycol 107-21-1

12.1 Toxicity

Toxicity to fish
LC50-Oncorhynchus mykiss (rainbow trout) – 18,500 mg/l – 96 h
LC50-Leuciscus idus (Golden orfe) - >10,000 mg/l – 48 h
NOEC-Pimephales promelas (fathead minnow) – 32,000 mg/l – 7 d

Toxicity to daphnia and other aquatic invertebrates
EC50 – Daphnia magna (Water flea) – 74,000 mg/l – 24 h
LC50 – Daphnia magna (Water flea) – 41,000 mg/l – 48 h

12.2 Persistence and degradability

No data available
Ratio BOD/ThBOD 0.78%

12.3 Bioaccumulative potential

Does not bioaccumulate
Bioaccumulation other fish – 61 d
-50 mg/l

12.4 Mobility in soil

No data available

12.5 Result of PBT and vPvB assessment

Assessment not available as chemical assessment not required/not conducted

12.5 Other adverse effects

No data available

Potassium Hydroxide 45% 1310-58-3

12.1 Toxicity

Toxicity to fish	LC50-Mosquito fish – 80 mg/l – 96h LC0-Fathead minnow - >179 mg/l – 96h
Toxicity to daphnia and other aquatic invertebrates	LC50 – Daphnia magna (Water flea) – 53.2 mg/l – 21d EC50 – Daphnia magna (Water flea) -60 mg/l – 48 h
Algae toxicity	ErC50 – Selenastrum capricornutum -61 mg/l – 96 h

12.2 Persistence and degradability

This material will disassociate into ionic form in the aquatic environment. Natural carbon dioxide will slowly neutralize this material.

12.3 Bioaccumulative potential

This material will not bioconcentrate

12.4 Mobility in soil

No data available

12.5 Result of PBT and vPvB assessment

Assessment not available as chemical assessment not required/not conducted

12.5 Other adverse effects

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

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 (US)

Not regulated

15. REGULATORY INFORMATION

SARA 302 Components

The following components are subject to reporting levels established by SARA Title III, Section 302:

SARA 313 Components
The following components are subject to reporting levels established by SARA Title III, Section 313:

	Cas#	Revision Date
Ethylene Glycol	107-21-1	2007-07-01

SARA 311/312 Hazards
Acute Health Hazard, Chronic Health Hazard

California Prop 65 Components
This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

TSCA
All ingredients in this finished product are listed on the EPA TSCA INVENTORY.

SCAQMD Rule 443.1

Photochemically Reactive: No
Maximum Grams of VOC per Liter: 40.07 g/L
Vapor Pressure: 18 mm Hg@ 20 Degrees C

16. OTHER INFORMATION

Full text of H-statements referred to under sections 2 and 3.

Acute toxicity, Oral (Category 4), H302
Causes skin irritation (Category 2), H315
Eye irritation (Category 2A), H319
Specific organ toxcity Oral (Category 2), Kidney, H373
Acute aquatic toxicity (Category 3), H402

HMIS RATING

Health: 1*
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 the injuries from the use of the product described herein.