

SYSTEMS CLEANER NEUTRALIZER

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: Photo Systems Inc.

7200 Huron River Drive, Dexter, MI 48130

Product Name: **SYSTEMS CLEANER NEUTRALIZER**

Product Number: 185400, 185941

Product Use: Cleaner

Customer Information Phone Number:

1-734-424-9625

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

Date Reviewed: 06/24/2015

Version: 2.0

2. HAZARDOUS IDENTIFICATION

2.1 Classification of the substance or mixture

Health hazard

May be harmful if swallowed, H302

Eye irritation (Category 2A), H319

Skin irritation (Category 2), H315

Acute aquatic toxicity (Category 3), H400

2.2 GHS Label elements, including precautionary statements

Pictogram



Signal Word: WARNING

Hazard statement(s)

H302	Harmful if swallowed
H319	Causes severe eye irritation
H315	Skin irritation
H410	Very toxic to aquatic life

Precautionary statement(s)

P201	Obtain special instructions before use
P261	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

SAFETY DATA SHEET



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.
P333 +P313 If skin irritation or rash occurs: Get medical advice/attention.
P501 Dispose of contents to an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS</u>	<u>OHSA PEL</u>	<u>ACGIH TLV</u>	<u>Weight %</u>
POTASSIUM SULFITE	10117-38-1	N.E.	N.E.	15-20
TETRASODIUM EDTA	MIXTURE	N.E.	N.E.	1-7
POTASSIUM HYDROXIDE	1310-58-3	N.E.	2mg/m ³	<1

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 while holding eyelids apart. Get immediate medical attention, preferably from an ophthalmologist if irritation persists.

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

Ingestion: If swallowed, give victim a glass of water or milk. 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: Skin contact may aggravate an existing dermatitis. May cause severe allergic reaction in some asthmatics and sulfite sensitive individuals.

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, and oxides of sulfur.

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. 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) and a face shield.

Respiratory Protection: If use conditions do not maintain vapors or fumes, use a NIOSH approved half-face cartridge respirator with HEPA 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.

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

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance And Odor: Colorless solution, no odor.
Solubility In Water: Complete
Boiling Point: N.E.
Flash Point: Nonflammable
Vapor Pressure: N.E.
Ph: 12.76
Specific Gravity: 1.077 g /ml
Melting Point: Not applicable
Freezing Point: N.E.
Evaporation Rate: N.E.
Vapor Density: N.E.
Percent Volatile: 89.24
Molecular Weight: Not applicable
Pounds Per Gallon: 8.98
V.O.C. = 0

10. STABILITY AND REACTIVITY

10.1 Reactivity

Stable

10.2 Conditions to Avoid

None

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible Materials

Strong acids

10.6 Decomposition Products

May produce oxides of sulfur

11. TOXICOLOGICAL INFORMATION

11.1 Information of toxicological effects

Component information

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

Potassium Sulfite 10117-38-1

Acute toxicity:
 No data available
 Dermal:
 No data available
 Inhalation:
 No data available
Skin irritation: Skin – rabbit (OECD Test Guidance 429)
 No skin irritation – 4h

Eye irritation:
 No data available
Respiratory or Skin Sensitization
 No data available
Carcinogenicity/mutagenicity: none

Tetrasodium EDTA 64-02-8 Mixture

Acute toxicity:
 Oral LD-50 1780 mg/kg
 Inhalation LC-50 no data available
 Dermal: no data available
Skin irritation: No skin irritation
Eye irritation: Rabbit Eye irritation, severity dependent upon concentration.
Respiratory or Skin Sensitization Respiratory irritation, severity dependent upon concentration.

Carcinogenicity/mutagenicity: This product does not contain an carcinogens or potential carcinogens as listed by IARC, NTP, ACGIH or OSHA.

12. ECOLOGICAL INFORMATION

Component information

Potassium Hydroxide 45% 1310-58-3

12.1 Toxicity

Toxicity to fish	LC50-Cyprinodon variegatus (sheephead minnow) – 540 mg/l – 96h
Toxicity to daphnia and	LC0-Fathead minnow – 1,460 mg/l – 96h LC50 – Daphnia magna (Water flea) – < 4.2 mg/l – 11d

other aquatic invertebrates

EC50 – Daphnia magna (Water flea) -55 mg/l – 48 h

12.2 Persistence and degradability

Biodegradability

Result: > 90% - Readily biodegradable

12.3 Bioaccumulative potential

No data available

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

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life.

Potassium Sulfite 45% 10117-38-1**12.1 Toxicity**

Toxicity to fish

Static test-Leuciscus idus (golden orfe) – 215-464 mg/l – 96h

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

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

None

Tetrasodium EDTA 64-02-8 Mixture**12.1 Toxicity**

Toxicity to fish

LC50- bluegill - > 1000 mg/l – 96h

Toxicity to daphnia

EC50 – Daphnia magna (Water flea) -140 mg/l – 48 h

Toxicity to algae

EC50 > 300 mg/l 72h

Toxicity to bacteria

EC20 > 500 mg/l 30-min

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

Bioaccumulation is not expected due to the substance's high water solubility. Log Pow <0

12.4 Mobility in soil

No absorption expected onto soil due to ionic structure. The test substance will preferably distribute into the water compartment and not evaporate from the water surface.

12.5 Result of PBT and vPvB assessment

Assessment not available as chemical assessment not required/not conducted

12.5 Other adverse effects

None

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)**

Ship Name: CORROSIVE LIQUIDS, BASIC, INORGANIC, N.O.S. (Contains Potassium 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.

15. REGULATORY INFORMATION**SARA 302 Components**

The following components are subject to reporting levels established by SARA Title III, Section 302:
None

SARA 313 Components

The following components are subject to reporting levels established by SARA Title III, Section 313:
None

SARA 311/312 Hazards

Acute Health Hazard

California Prop 65 Components

None

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: 0

Vapor Pressure: 18 mm Hg@ 20 Degrees C

16. OTHER INFORMATION**Full text of H-statements referred to under sections 2 and 3.**

May be harmful if swallowed, H302

Eye irritation (Category 2A), H319

Skin irritation (Category 2), H315

Acute aquatic toxicity (Category 3), H400

HMIS RATING

Health: 2

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.