

# NETWORK PRO ONE FIXER POWDER

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: Photo Systems, Inc.

7200 Huron River Dr., Dexter, MI 48130

Product Name: **PRO ONE FIXER POWDER**

Product Number: **731710Q, 731734P**

**Product Use:** Photographic fixer.

**Customer Information Phone Number:**

1-734-424-9625

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

Date Reviewed: 5/04/2015

Version: 3.0

## 2. HAZARDOUS IDENTIFICATION

### 2.1 Classification of the substance or mixture

#### Health hazard

Causes eye irritation (Category 2B), H320

Causes skin irritation (Category 2), H314

### 2.2 GHS Label elements, including precautionary statements

#### Pictogram



**Signal Word: WARNING**

#### Hazard statement(s)

H305 May be harmful if swallowed and enters airways

H314 Causes skin irritation

H320 Causes eye irritation

H335 May cause respiratory irritation

#### Precautionary statement(s)

P264 Wash skin thoroughly after handling

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.

P321	Specific treatment (see supplemental first aid instructions on this label).
P330	Rinse mouth.
P333 +P313	If skin irritation or rash occurs: Get medical advice/attention.
P363	Wash contaminated clothing before reuse
P391	Collect spillage
P501	Dispose of contents to an approved waste disposal plant.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS	OHSA PEL	ACGIH TLV	Weight %
SODIUM THIOSULFATE	7772-98-7	N.E.	N.E.	70-80
SODIUM ACETATE	127-09-3	N.E.	N.E.	10-15
SODIUM METABISULFITE	7681-57-4	N.E.	5 mg/m <sup>3</sup>	5-10
BORIC ACID	10043-35-3	N.E.	N.E.	1-3

### 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.

**Inhalation:** If symptomatic, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

**Ingestion:** Never give anything to an unconscious person. Rinse mouth with water. Seek medical attention or contact a poison control center for advice about whether to induce vomiting.

**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.

### 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. Avoid generating dust. If mixed, dike the spill. For small amounts less than one gallon flush to the

sewer with large amounts of water. For larger spills, 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.

## 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.

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

**Body protection:** Rubber or plastic apron.

**Ventilation 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: Crystalline white powder with faint vinegar odor.

Solubility In Water: Complete

Boiling Point: Not applicable  
Flash Point: Nonflammable  
Flash Point Method: Not applicable  
Auto ignition: Not applicable  
LEL: Not applicable  
UEL: Not applicable  
Vapor Pressure: Not applicable  
Ph: Not applicable (5.75 mixed)  
Specific Gravity: Not applicable  
Melting Point: Not applicable  
Freezing Point: Not established  
Evaporation Rate: Not established  
Vapor Density: Heavier than air  
Percent Volatile: Not applicable  
Molecular Weight: Not applicable  
Pounds Per Gallon: Not applicable  
V.O.C is 0.

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

Stable

### 10.2 Chemical stability

Conditions To Avoid: None

### 10.3 Possibility of hazardous reactions

No data available

### 10.4 Conditions to avoid

Damp and humid conditions.

### 10.5 Incompatible Materials

Strong acids and oxidizers.

### 10.6 Decomposition Products

Sulfur dioxide is evolved under acid conditions of  $\text{pH} < 4$ .

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information of toxicological effects

#### Component information

#### ***Sodium Thiosulfate 10102-17-7***

#### **Acute toxicity:**

No data available

Dermal: No data available

Inhalation: No data available  
LD50 Intravenous – rat- >2,500 mg/kg

**Skin irritation:** No data available

**Eye irritation:** No data available

**Carcinogenicity/mutagenicity:** No data available

***Sodium Metabisulfite 7681-57-4***

**Acute toxicity:**

No data available

Oral LD-50 (rat) 1,540 g/kg

Inhalation: no data available

Dermal: LD-50 (rat) > 2,000 g/kg

**Skin irritation:** no data available

**Eye irritation:** Rabbit Risk of serious damage to eyes.

**Respiratory or Skin Sensitization** Prolonged or repeated exposure may cause allergic skin reaction in certain sensitive individuals.

**Carcinogenicity/mutagenicity:** none

***Sodium Acetate 127-09-3***

**Acute toxicity:**

Oral: LD50 (rats): 3,530 mg/kg

Dermal: LD50 (Rabbit) - > 10,000 mg/kg

Inhalation: LC50 (Rat) – 1h -> 30,000 mg/m<sup>3</sup>

**Skin irritation:** Rabbit  
Mild irritation – 24 h

**Eye irritation:** Rabbit  
Mild eye irritation

**Respiratory or skin sensitization:** No data available

**Carcinogenicity/mutagenicity:** No data available

**Reproductive toxicity:** No data available

**Specific target organ toxicity – repeated exposure –** No data available

**Aspiration hazard -** No data available

***Boric Acid 10043-35-3***

**Acute toxicity:**

Oral: LD50 (rats): 2,660 mg/kg

Dermal: No data

Inhalation: No data

**Skin irritation:** No data available

**Eye irritation:** No data available

**Respiratory sensitization:** No data available

**Carcinogenicity/mutagenicity:** none

## 12. ECOLOGICAL INFORMATION

### Component information

#### ***Sodium Thiosulfate 10102-17-7***

##### **12.1 Toxicity**

No data available

##### **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

#### ***Sodium Metabisulfite 7681-57-4***

##### **12.1 Toxicity**

Toxicity to fish	LC50- <i>Oncorhynchus mykiss</i> (rainbow trout) – 150-220 mg/l – 96h
Toxicity to daphnia and other aquatic invertebrates	LC50 – <i>Daphnia magna</i> (Water flea) – 89 mg/l – 24 h

Toxicity to algae	IC50 – <i>Desmodesmus subspicatus</i> (green algae) - > 48 mg/l – 72 h (OECD Test Guideline 201).
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Toxicity to bacteria	EC50 - <i>Pseudomonas putida</i> - 56 mg/l – 17 h
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##### **12.2 Persistence and degradability**

##### **12.3 Result of PBT and vPvB assessment**

Assessment not available as chemical assessment not required/not conducted

##### **12.5 Other adverse effects**

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

**Sodium Acetate 127-09-3**
**12.1 Toxicity**

Toxicity to fish	LC0- Oncorhynchus mykiss (rainbow trout) - > 1,000 mg/l – 96h (OECD Test Guideline 203).
Toxicity to daphnia and other aquatic invertebrates	LC50 – Daphnia magna (Water flea) – > 300.82mg/l – 48h (OECD Test Guideline 202).

**12.2 Persistence and degradability**

No data available

**12.3 Bioaccumulative potential**

Biodegradability aerobic – exposure time 30d  
Result: 99% - Readily biodegradable

Biochemical Oxygen Demand (BOD) 880 mg/g

**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 Result of PBT and vPvB assessment**

Assessment not available as chemical assessment not required/not conducted

**12.5 Other adverse effects**

No data available.

**Boric Acid 10043-35-3**
**12.1 Toxicity**

Toxicity to fish	LC0-Lepomis macrochirus (bluegill) – 1,021 mg/l – 96h
Toxicity to daphnia and other aquatic invertebrates	LC50 – Daphnia magna (Water flea) –53.2 mg/l – 21d

**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

**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:  
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, 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: 0  
Vapor Pressure: Not available

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

H305	May be harmful if swallowed and enters airways
H314	Causes skin irritation
H320	Causes eye irritation
H335	May cause respiratory irritation



**HMIS RATING**

Health: 1  
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.