

MACH 3 FOUNTAIN SOLUTION CONCENTRATE

Manufacturer: Photo Systems, Inc.
7200 Huron River Drive, Dexter, MI 48130
Product Name: **MACH 3 FOUNTAIN SOLUTION**
Product Number: **601010, 601200, 601941**

Product Use: Fountain Solution

Customer Information Phone Number:

1-734-424-9625

CHEMTREC®: 24 Hour Emergency Transport Phone Number:

1-800-424-9300

Date Reviewed: 04/28/2016

Version: 2.0

2. HAZARDOUS IDENTIFICATION

2.1 Classification of the substance or mixture

Health hazard

Eye irritation (Category Sa), H319
Specific organ toxicity, Oral (Category 3), CNS, H336

2.2 GHS Label elements, including precautionary statements

Pictogram



Signal Word: WARNING

Hazard statement(s)

H319 Causes serious eye irritation
H336 Specific organ toxicity – repeated exposure, Oral (Category 3), Central Nervous System

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
P280 Wear protective gloves, eye protection
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.
P501 Dispose of contents to an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS	OHSA PEL	ACGIH TLV	Weight %
GLYCERINE	56-81-5	15 mg/m ³	10mg/m ³ as mist	10-15
2-BUTOXY ETHANOL	111-76-2	240 mg/m ³	121 mg/m ³ (SKIN)	5-10
PHOSPHORIC ACID	7664-38-2	1 mg/m ³	1 mg/m ³	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. 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. 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.

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. 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 organic vapor respirator.

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

Body protection: Rubber or plastic apron.

Respiratory protection: Provide exhaust ventilation sufficient to keep the airborne concentration of this product below its exposure limits. Exhaust air may need to be cleaned by scrubbers or filters to reduce environmental contamination

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance And Odor: Deep orange pink liquid with butyl odor.

Solubility In Water: Complete

Boiling Point: Not established

Vapor Pressure: Not established
Specific Gravity: 1.04
Melting Point: Not applicable
Freezing Point: -5° C
Vapor Density: < 1
Evaporation Rate: > 1 (Butyl Acetate =1)
Percent Volatile: 84.6
Ph: 3.72
Pounds Per Gallon: 8.65
Molecular Weight: Not applicable
VOC is 82.1 g/L or 7.8% or 0.69 lb. /gal.

10. STABILITY AND REACTIVITY

10.1 Reactivity

No data available

10.2 Chemical stability

Stable

10.3 Possibility of hazardous reactions

None

10.4 Conditions to avoid

None

10.5 Incompatible Materials

May be incompatible with strong oxidizers.

10.6 Decomposition Products

 May produce oxides.

11. TOXICOLOGICAL INFORMATION

11.1 Information of toxicological effects

Component information

2-Butoxyethanol 111-76-2

Acute toxicity:

Oral: LD50 (rats): 1,300 mg/kg
Dermal: LD50 (rats): > 2,000 mg/kg
Inhalation: Vapor: LC50 (Rat, 3 h): 4.90 mg/l

Skin irritation: Rabbit
Result: Moderate skin irritation – 24h

Eye irritation: Eyes – Rabbit
Result: Moderate eye irritation – 24h

Respiratory or skin sensitization: Guinea Pig – Not a skin sensitizer

Carcinogenicity/mutagenicity: Based on available data the classification criteria are not met. Not classified as hazardous. IARC: Group 3: Not classified as to its carcinogenicity to humans.

Reproductive toxicity: Not classified as hazardous.

Glycerine 56-81-5

Acute toxicity:

LD50 Oral – rat – 12,600 mg/kg

Inhalation: no data available

LD50 Dermal-rat - > 10,000 mg/kg

Skin irritation: Skin-rabbit- mild irritation – 24 h

Serious Eye irritation: Eyes – rabbit-mild irritation – 24 h

Respiratory or Skin Sensitization – no data available

Carcinogenicity/mutagenicity: none

12. ECOLOGICAL INFORMATION

Component information

2-Butoxyethanol ***111-76-2***

12.1 Toxicity

Toxicity to fish LC50- (Oncorhynchus mukis, 96 h): 1,474 mg/l

Toxicity to EC50 – Daphnia magna (Water flea) – 1,550 mg/l – 48 hr aquatic
Invertebrates

12.2 Persistence and degradability

Biodegradation

Product: 90.4% (28 d) readily biodegradable

12.3 Bioaccumulative potential

Potential to bioaccumulation is low.

12.4 Mobility in soil

Expected to partition to water.

12.5 Result of PBT and vPvB assessment

Not fulfilling PBT (persistent/bioaccumulative/toxic) criteria.

12.6 Other adverse effects

No data available.

Glycerine 56-81-5

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

12.6 Other adverse effects

No data available

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:
Glycol ethers are listed under Sara Title 313.

SARA 311/312 Hazards

Acute Health Hazard, Chronic Health Hazard

SAFETY DATA SHEET



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: 82.1 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.

Causes serious eye irritation H319

Specific organ toxicity – repeated exposure, Oral (Category 3), Central Nervous System H336

HMIS RATING

Health: 2

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.