

Official Safety Data Sheet (SDS)

1. Product and Company Identification

Product Identifier

MPHGA50 Fountain Solution

Trade Name:

Item Number(s):

MPHGA50

Relevant Identified Uses of the Substance or Mixture:

Fountain Solution

Restrictions on Use: For Industrial Use Only

Manufacturer/Supplier:

Applied Chemistries, Inc.
65 Moylan Lane
Agawam, MA 01001
(877) 847-6236

**FOR EMERGENCIES INVOLVING A SPILL, LEAK, FIRE, EXPOSURE
OR ACCIDENT CONTACT: CHEMTREC (800-424-9300 within the USA
or 703-527-3887 for international collect calls)**

2. Hazards(s) Identification

GHS Classification and Label Elements of the Product

Hazard Pictograms:



Signal Word:

WARNING

DANGER

Hazard Category

Signal Word

Hazard Statement

5	Warning	H303: May be harmful if swallowed.
2	Warning	H315: Causes skin irritation.
2A	Warning	H319: Causes serious eye irritation.
1	Danger	H304: May be fatal if swallowed and enters airways.
4	Warning	H227: Combustible liquid.

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Precautionary Statements	
Prevention	Response
<p>P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.</p> <p>P264: Wash hands thoroughly after handling.</p> <p>P261: Avoid breathing dust/fume/gas/mist/vapours/spray.</p> <p>P271: Use only in a well-ventilated area.</p> <p>P280: Wear eye protection/face protection/protective gloves.</p>	<p>P302+ P352: IF ON SKIN: Wash with plenty of soap and water.</p> <p>P332+ P315: If skin irritation occurs: seek medical attention.</p> <p>P305+ P351+ P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P337+ P313: If eye irritation persists: get medical advice/attention.</p> <p>P304+ P312: IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.</p> <p>P370+ P378: In case of fire: Use appropriate media other than water for extinction.</p> <p>P362+ P364: Take off contaminated clothing and wash before re-use.</p> <p>P301+ P310: IF SWALLOWED: Immediately call a poison center or doctor/physician.</p> <p>P331: Do NOT induce vomiting.</p>
Storage	Disposal
<p>P403+ P235: Store in a well-ventilated place. Keep container tightly closed. Keep cool.</p> <p>P405: Store locked up.</p>	<p>P501: Dispose of contents/container according to local/regional regulations.</p>

3. Composition/Information on Ingredients

Chemical Characterization: Mixture

Component Name	CAS #	Concentration % by Weight	GHS Hazard Codes
<i>2-Butoxy ethanol</i>	111-76-2	6-15%	H227, H304, H302, H315, H319
<i>Ammonium nitrate</i>	6484-52-2	1-5%	H272

4. First Aid Measures

- Inhalation:** Remove victim to fresh air. Administer oxygen if breathing is difficult. Seek medical attention if respiratory irritation or distress continues.
- Skin Contact:** Wash with plenty of soap and water for no less than 5 minutes.
- Eye Contact:** Flush with a gentle, steady stream of water for at least 15 minutes. Seek medical attention.
- Ingestion:** If victim is conscious and alert, give 1-2 glasses of water to drink. Do not give anything by mouth to an unconscious person. Do not leave victim unattended.

5. Fire Fighting Measures

Suitable Extinguishing Media: Dry chemical, carbon dioxide, foam.

Specific Fire Fighting Measures: Apply water from a safe distance to cool and protect surrounding area.

Stand at upwind and do the fire-fighting, to avoid breathing toxic gas.

Unusual Fire and Explosion Hazards: N/A

Special Protective Equipment and Precautions for Fire Fighters: None

6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures: Wear proper protective equipment.
Eliminate all sources of ignition and ventilate the area.
Stand at upwind. Evacuate personnel at downwind.
Dispose according to State, Federal and Local regulations.

Environmental Precautions: Avoid runoff to waterways and sewers.

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7. Handling and Storage

Precautions for Safe Handling:

Protect against physical damage.
Store in a cool, dry, well ventilated location away from heat/sparks/open flame.
Separate from incompatibles.
Keep containers tightly closed. Do not store in unlabeled or mislabeled containers.

8. Exposure Controls / Personal Protection

Airborne Exposure Limits:

2-Butoxy Ethanol:

ACGIH(1996) TWA: 20ppm (Eye & URT irr)
 OSHA-PEL TWA: 50ppm, 240mg/m³
 NIOSH-REL TWA: 5ppm, 24mg/m³

Eye Protection:

Wear safety glasses with side shields or splash-proof goggles.

Skin Protection:

Wear protective clothing including gloves, lab coat, apron or coveralls, as appropriate, to minimize skin contact.

General Industrial Hygiene Practices:

Wash with soap and water before meals and at the end of each work shift. Good manufacturing practices require amounts of any chemical be removed from the skin as soon as practical, especially before eating or smoking.

9. Physical and Chemical Properties

Appearance:	Liquid	Viscosity:	Unknown	Odor:	Glycol Ether
Odor Threshold:	Unknown	Relative Density:	.98-1.0	pH:	3.9-5.5
Melting Point:	N/A	Partition coefficient: n-octanol/water	Unknown	Freezing Point:	0°C
Initial Boiling Point:	~100°C	Decomposition Temperature:	Unknown	Boiling Range:	Unknown
Flash Point:	>100°C	Vapor Density:	Heavier Than Air	Evaporation Rate:	Unknown

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Flammability, Solid:	Unknown	Solubility	100%	Flammability, Gas:	Unknown
Lower Explosive Limit:	Unknown	Auto-Ignition Temperature:	Unknown	Upper Explosive Limit:	Unknown
Vapor Pressure:	0.20 mmHG@20C				

10. Stability and Reactivity

Stability: This product is stable under normal handling and storage conditions.

11. Toxicological Information

Carcinogenic effects:

2-Butoxy Ethanol: IARC-Gr.3: Not Classifiable as a Human Carcinogen.
ACGIH-A3(1996): Confirmed Animal Carcinogen with Unknown Relevance to Humans.

12. Ecological Information

Water solubility

(2-Butoxy ethanol) miscible (ICSC, 2003)
(Ammonium nitrate) 200 g/100 ml (SIDS, 2007)

Persistence and degradability

(2-Butoxy ethanol) BOD_Degradation : 96% (Registered chemicals data check & review, Japan)

Bioaccumulative potential

(2-Butoxy ethanol) log Pow=0.83 (PHYSPROP Database, 2005)

13. Disposal Considerations

Waste Disposal: Dispose according to Federal, State and Local regulations.

EPA Hazardous Waste: No



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14. Transport Information

US Department of Transportation: Not Regulated

15. Regulatory Information

Inventory Status: All components included on **TSCA, DSL, EINECS/ELINCS, AICS, MITI, KECL** inventory lists.

Federal Regulations: All functional components of this product are listed on the **TSCA** inventory.

SARA Title III Hazard Classes:

Fire Hazard:	No
Reactive Hazard:	No
Release of Pressure:	No
Acute Health Hazard:	Yes
Chronic Health Hazard:	No

NFPA Ratings

Other Information:

Health:	1 (Slight)
Fire:	1 (Slight)
Stability:	0 (Minimal)

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