

FCSAS
FCSA15**Alphacide Activator****1. Product and Company Identification**

Product Name	FutureCow™ Activator
Synonyms	Phosphoric Acid
Company Identification	Alpha Technology USA Corporation 5401 Pen Avenue Sanford, Florida 32773
Telephone	Alpha Technology USA Corp. – 855.388-7269 Emergency – 855.388.7269

NFPA diamond and HMIS ratings for this product may be found in section 16 of this Safety Data Sheet.

2. Hazards Identification

Form	Liquid
Color	Clear
Odor	None
OSHA/HCS Status	Material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200); corrosive
GHS Classification	Skin corrosion (Category 1C) Serious eye damage (Category 1)
Pictogram	
Signal Word	Danger
Hazard Statement(s)	May be corrosive to metals Causes severe skin burns and eye damage.
Precautionary Statement(s)	Keep in original container. Do not breathe fumes, mist, vapors, or spray. Wash skin thoroughly after handling. Wear protective gloves/ protective clothing/ eye protection/ face protection. Avoid release to the environment IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. Wash contaminated clothing before reuse. Store locked up. Dispose of contents/ container to an approved waste disposal plant.

Potential Acute Health Effects

Inhalation	Corrosive material - may be harmful if inhaled. Causes respiratory tract irritation.
Ingestion	Corrosive material - may be harmful if swallowed.

Skin Causes skin burns, especially on prolonged contact.

Eyes Causes eye burns.

See section 11 for more detailed information on health effects and symptoms

3. Composition/Information on Ingredients

<u>Ingredient Name</u>	<u>CAS Number</u>	<u>WT %</u>
Phosphoric Acid	7664-38-2	10-15
Water	7732-18-5	Balance

4. First Aid Measures

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately..
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
Inhalation	Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.
Ingestion	Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Protection of First Aid Personnel	Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit, they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

5. Fire-fighting Measures

Suitable extinguishing media	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	: Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards during fire fighting	: During fire, gases hazardous to health may be formed.
Special protective equipment for fire-fighters	: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Specific extinguishing methods	: Use standard firefighting procedures and consider the hazards of other involved materials.

6. Accidental Release Measures

Personal Precautions	Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only.
Environmental Precautions	Avoid discharge into drains, water courses or onto ground.
Spill	Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g., sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material

to ensure runoff does not reach a waterway..

7. Handling and Storage

Handling	Avoid contact with skin and eyes. Avoid formation of aerosols. Provide appropriate exhaust ventilation. Do not breathe vapor or mist.
Storage	Keep container tightly closed in a dry and well-ventilated area away from direct sunlight, sources of intense heat, or where freezing is possible.

8. Exposure Controls/Personal Protection

Ingredients	CAS-No.	Form of Exposure	Permissible Concentration	Basis
Phosphoric acid	7664-38-2	PEL STEL TWA	1 mg/m ³ 3 mg/m ³ 1 mg/m ³	OSHA Z-1 ACGIH ACGIH
Engineering Measures	Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure. Maintain adequate ventilation.			
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.			
Respiratory	Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator.			
Eyes and Face	Wear chemical safety goggles while handling this product.			
Skin	Prevent contact with this product. Wear gloves and protective clothing depending on condition of use. Protective gloves: gauntlet-type, neoprene, nitrile.			

9. Physical and Chemical Properties

Appearance	Clear
Odor	None
pH	Not available
Water Solubility	No data available
Vapor Density (air = 1)	No data available
Evaporation rate (butyl acetate = 1)	Similar to water
Boiling Point (°F)	219 °F (104 °C)
Freezing Point (°F)	No data available
Specific Gravity (H ₂ O = 1 @ 70 °F)	1.065
Vapor Pressure (mm Hg, 20 °C)	Not available
Volatile Organic (VOC) Content	None

10. Stability and Reactivity

Stable:	X	Unstable:		Hazardous Polymerization:		Occurs:		Does Not Occur:	X
Conditions to Avoid	Contact with incompatible materials.								
Materials to Avoid	Strong oxidizing agents.								

Decomposition Products None known.

11. Toxicological Information

Eye	Causes eye burns.
Phosphoric Acid	Eyes - rabbit – irritating to eyes
Dermal	Causes skin burns, especially on prolonged contact.
Phosphoric Acid	Dermal LD50 – rabbit - > 2,000 mg/kg Skin corrosion/irritation: rabbit – mild skin irritation
Inhalation	Corrosive material - may be harmful if inhaled. Causes respiratory tract irritation.
Phosphoric Acid	Inhalation LC50 – no data available
Oral	Corrosive material - may be harmful if swallowed.
Phosphoric Acid	Oral LD50 – rabbit – >2,000 mg/kg

Potential Chronic Health Effects

Carcinogenicity	No component of this product present at levels greater than or equal to 0.1% is identified as a probable, possible, or confirmed human carcinogen by IARC, ACGIH, NTP, or OSHA.
Mutagenicity	No data available
Teratogenicity	No data available
Fertility Effects	No data available

Over-exposure Signs/Symptoms

Vomiting, diarrhea, damage to tooth enamel, dermatitis.

12. Ecological Information

Biodegradability	No data available
Ecotoxicity	This product has no known ecotoxicological effects.

13. Disposal Considerations

Waste Disposal	The product should not be allowed to enter drains, water courses or the soil. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.
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RCRA

Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

14. Transportation

The data provided in this section is for information only and may not be specific to your package size or mode of transport. You will need to apply the appropriate regulations to properly classify your shipment for transportation.

Land transport (DOT)

UN number : 1805
Description of the goods : Phosphoric Acid Solution
Class : 8
Packing group : III
Environmentally hazardous : No

Sea transport (IMDG/IMO)

UN number : 1805
Description of the goods : Phosphoric Acid Solution
Class : 8
Packing group : III
Environmentally hazardous : No

15. Regulatory Information

EPCRA - Emergency Planning and Community Right-to-Know

SARA 311/312 Hazards : Health Hazard

SARA 313 : Not regulated.

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

The ingredients of this product are reported in the following inventories:

United States TSCA Inventory : On TSCA Inventory
Canadian Domestic Substances List (DSL) : All components of this product are on the Canadian DSL.
Australia Inventory of Chemical Substances (AICS) : On the inventory, or in compliance with the inventory
New Zealand. Inventory of Chemical Substances : On the inventory, or in compliance with the inventory
Japan. ENCS - Existing and New Chemical Substances : On the inventory, or in compliance with the inventory

Inventory

Japan. ENCS - Existing and New Chemical Substances Inventory : On the inventory, or in compliance with the inventory

Japan. ISHL - Inventory of Chemical Substances : On the inventory, or in compliance with the inventory

Korea. Korean Existing Chemicals Inventory (KECI) : On the inventory, or in compliance with the inventory

Philippines Inventory of Chemicals and Chemical Substances (PICCS) : On the inventory, or in compliance with the inventory

China. Inventory of Existing Chemical Substances in China (IECSC) : On the inventory, or in compliance with the inventory

16. Other Information

Date of Issue 11/16/22.

NFPA**HMIS**

HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	0
PPE	

Caution: NFPA and HMIS ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although these ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them.

The customer is responsible for determining the PPE code for this material.

Notice to Reader

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