

Best Veterinary Solutions

MATERIAL SAFETY DATA SHEET

SECTION I

PRODUCT NAME: Acid Pak	SIZE: All Sizes
MANUFACTURER: PharmTech	ADDRESS: 10100 Douglas Ave., Des Moines, Iowa 50322
FOR INFORMATION ON HEALTH HAZARDS: 515-254-1290	INFORMATION EFFECTIVE AS OF April 2010

SECTION II

PRINCIPAL HAZARDOUS COMPONENTS:	Citric Acid Anhydrous: C ₆ H ₈ O ₇ ; CAS# 77-92-9 / Sodium Citrate: HOC (COONa) (CH ₂ COONa) 2.2H ₂ O; CAS# 68-04-2 (anhydrous) / 6132-04-3 (dihydrate) Zinc Sulfate Monohydrate: ZnSO ₄ H ₂ O; CAS#7733-02-0	Ferric Sulfate: Fe ₂ (SO ₄) ₃ . xH ₂ O;CAS# 10028-22-5(anhydrous);15244-10-7 (hydrated) Sodium Chloride: (salt) NaCl; CAS#7647-14-5 Potassium Chloride: KCl; CAS# 7447-40-7 Magnesium Sulfate Anhydrous: (Epsom Salts); MGSO ₄ .7H ₂ O;CAS#7487-88-9 (anhydrous) / 10034-99-8 (heptahydrate)
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SECTION III PHYSICAL DATA

FLASH POINT:	Not Determined	SPECIFIC GRAVITY:	> 1.66
VAPOR PRESSURE:	> 1MM @ 1589 degree F	PER CENT VOLATILE:	Not Applicable
VAPOR DENSITY:	Not Applicable	EVAPORATION RATE:	Not Applicable
SOLUBILITY (WATERS):	Partially Soluble in Water		
APPEARANCE:	White to light gray crystals/granular	ODOR :	Slight

SECTION IV FIRE AND EXPLOSION HAZARD DATA

EXTINGUISHING MEDIA: Water , dry powder, foam , carbon dioxide

SPECIAL FIRE FIGHTING PROCEDURES: Full NIOSH approved self contained breathing apparatus/PPE should be used in pressure demand or positive pressure mode. Protective clothing should be worn.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Fire or excessive heat may cause production of hazardous decomposition products. Accumulation of excessive dust and exposure to ignition source is a possible explosion hazard.

SECTION V HEALTH HAZARD DATA

THRESHOLD VALUE LIMITS: NOT DETERMINED

EFFECTS OF OVEREXPOSURE: Possible potential allergen in extreme cases of single over exposure. Repeated overexposure – possible skin and/or eyes irritation, nausea, intestinal ailments, and liver damage. May also aggravate pre existing conditions of eyes, skin, internal organs, and respiratory conditions.

EMERGENCY AND FIRST AID PROCEDURES: Inhalation - Remove victim to fresh air/seek medical attention; Ingestion – seek medical advice; dilute with water; Eyes – flush for several minutes with water/eye wash/seek medical attention; Skin – wash thoroughly with detergent and water/seek medical advice

SECTION VI REACTIVITY DATA

STABILITY: Stable under normal circumstances

INCOMPATIBILITY: May react with ethoxy ethyl alcohols, arsenates, phosphates, tartrates, lead, barium, strontium, calcium, strong acids, mildly corrosive to metals in presence of moisture, and oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: May release toxic fumes of zinc, oxides of sulfur and the contained metal, toxic fumes of chlorides, carbon dioxide and carbon monoxide.

HAZARDOUS POLYMERIZATION: Will Not Occur

CONDITIONS TO AVOID: Heat, light, exposure, open flames, sparks (other ignition sources), incompatibles, dust build up

SECTION VII SPILL OF LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: WASTE DISPOSAL METHOD: Follow all federal, state, and local regulations for disposal.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Respirator, half face piece (NIOSH N95 or better), In conditions when exposure is not known, full facepiece positive air pressure/supplied mask should be used.

<u>VENTILATION:</u> Recommended	<u>LOCAL EXHAUST:</u> Recommended	<u>SPECIAL:</u> None
<u>PROTECTIVE GLOVES:</u> Rubber	<u>MECHANICAL:</u> Dust bags/ventilation fans	<u>OTHER:</u> None
	<u>EYE PROTECTION:</u> RECOMMENDED NIOSH approved eye protection	

OTHER PROTECTIVE EQUIPMENT: Protective clothing suits should be worn

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in a cool dry place .Avoid heat and humidity

OTHER PRECAUTIONS: Do not store near open flames or ignitions sources. Do not allow dust to build up. Do not store where moisture can build up or in direct sunlight.

SPECIAL PRECAUTIONS

CAUTION: Certain components of animal feeds, including medicated premixes, possess properties that may be a potential health hazard or a source of personal discomfort to certain individuals who are exposed to them. Human exposure should therefore, be minimized by observing the general industry standards for occupational health and safety.

Precautions such as the following should be observed: dust masks or respirators and protective clothing should be worn; dust-arresting equipment and adequate ventilation should be utilized; personal hygiene should be observed; shower before eating or leaving a work site; be alert for signs of allergic reactions - seek medical treatment if such reactions are suspected.

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