Allacid

PRODUCT TECHNICAL DATA SHEET

Mixed Feed Additives Liquid (Formic Acid+Acetic Acid+Propionic Acid+Butyric Acid+Lactic Acid+Citric Acid) I

01 DESCRIPTION

Allacid is a liquid acidifier formulated with a synergistic blend of organic acids and their salts, designed for addition to drinking water for swine and poultry. It lowers pH in the water and gastrointestinal tract, inhibiting harmful bacteria such as Escherichia coli and Salmonella.

It enhances digestive enzyme activity, improves nutrient absorption, strengthens the intestinal barrier, reduces inflammation, and boosts feed conversion and production performance.

02 PHYSICAL PROPERTIES

- Appearance:Colorless to light brown transparent liquid
- Odor:Pungent, characteristic acidic odor

03 INGREDIENT

Total Acid (calculated as lactic acid) ⩾ 90.0%

Parameter	Value
Formic Acid	⩾26.0%
Butyric Acid	⩾4.0%
Acetic Acid	⩾7.0%
Citric Acid	⩾5.0%
As	⩽2mg/kg
Cd	⩽0.5mg/kg
Pb	⩽10 mg/kg

04 FUNCTION

- Antimicrobial:Lowers pH, inhibits E. coli & Salmonella, reduces intestinal infections.
- Digestive Enhancement:Stimulates enzyme activity, improves nutrient absorption & FCR.
- Intestinal Barrier:Repairs mucosa, strengthens tight junctions, reduces inflammation.
- Stress Resistance:Regulates electrolyte balance during weaning, transfer & heat stress.
- Water Hygiene:Prevents scale & biofilm in water lines, keeps system clean.

05 PRECAUTIONS

- Xi — Irritant (R36/38). Avoid contact with skin and eyes.
- Wear protective gloves and safety goggles when handling.
- Eye contact: Rinse with water; seek medical advice if persists.
- Skin contact: Wash with water and soap.
- For animal feedstuff only. Not for human consumption.

06 NET WEIGHT

10kg/drum, 25kg/drum or 1000kg/IBC.

07 RECOMMENDED DOSAGE

Add to drinking water. Target pH: ⩽ 5.0. Adjust per species and growth stage.

Application	Dosage (g/T)	Remarks
Swine—Long-term	500–800	Production & reproduction
Swine—Stress	800–1000	Weaning, transfer, heat
Poultry—Long-term	500–800	Performance, lower mortality
Poultry—Stress	800–1000	Heat, vaccination, transport

Tip: Adjust the dosage according to local water quality to bring the water pH to the target value.

08 STORAGE AND SHELF LIFE

- Store in cool, dry, ventilated area; keep container sealed.
- Avoid direct sunlight, high temperatures, and freezing.
- Shelf life: 18 months from manufacture date under recommended conditions.
- Use soon after opening.

09 CONTACT INFORMATION

Add：No. 30, Pengcheng Ave., Jishan Industrial Park, Jiangle County, Sanming City, Fujian Province, P. R. China.
Tel：+86 598-2393999
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Allclean

PRODUCT TECHNICAL DATA SHEET

Mixed Feed Additives Liquid (Formic Acid+Acetic Acid+Propionic Acid+Butyric Acid+Lactic Acid+Citric Acid) II

01 DESCRIPTION

Allclean is a liquid acidifier formulated with a synergistic blend of organic acids and their salts, designed for addition to drinking water for swine and poultry. It lowers pH in the water and gastrointestinal tract, inhibiting harmful bacteria such as Escherichia coli and Salmonella.

It enhances digestive enzyme activity, improves nutrient absorption, strengthens the intestinal barrier, reduces inflammation, and boosts feed conversion and production performance.

02 PHYSICAL PROPERTIES

- Appearance:dark brown liquid
- Odor: Pungent, characteristic acidic odor

03 INGREDIENT

Parameter	Value
Formic Acid	⩾71.0%
Butyric Acid	⩾1.0%
Citric Acid	⩾2.0%
As	⩽2mg/kg
Cd	⩽0.5mg/kg
Pb	⩽10 mg/kg

04 FUNCTION

- Antimicrobial:Lowers pH, inhibits E. coli & Salmonella, reduces intestinal infections.
- Digestive Enhancement:Stimulates enzyme activity, improves nutrient absorption & FCR.
- Intestinal Barrier:Repairs mucosa, strengthens tight junctions, reduces inflammation.
- Stress Resistance:Regulates electrolyte balance during weaning, transfer & heat stress.
- Water Hygiene:Prevents scale & biofilm in water lines, keeps system clean.

05 PRECAUTIONS

- Xi — Irritant (R36/38). Avoid contact with skin and eyes.
- Wear protective gloves and safety goggles when handling.
- Eye contact: Rinse with water; seek medical advice if persists.
- Skin contact: Wash with water and soap.
- For animal feedstuff only. Not for human consumption.

06 NET WEIGHT

10kg/drum, 25kg/drum or 1000kg/IBC.

07 RECOMMENDED DOSAGE

Add to drinking water. Target pH: ⩽ 5.0. Adjust per species and growth stage.

Application	Dosage (g/T)	Remarks
Swine—Long-term	300–500	Production & reproduction
Swine—Stress	500–800	Weaning, transfer, heat
Poultry—Long-term	300–500	Performance, lower mortality
Poultry—Stress	500–800	Heat, vaccination, transport

Tip: Adjust the dosage according to local water quality to bring the water pH to the target value.

08 STORAGE AND SHELF LIFE

- Store in cool, dry, ventilated area; keep container sealed.
- Avoid direct sunlight, high temperatures, and freezing.
- Shelf life: 18 months from manufacture date under recommended conditions.
- Use soon after opening.

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AlliCSZn

PRODUCT TECHNICAL DATA SHEET

Mixed Feed Additives Cysteamine Hydrochloride

01 DESCRIPTION

Cysteamine hydrochloride is a growth-promoting feed additive designed to enhance animal performance by modulating endocrine systems. It reduces somatostatin levels, thereby increasing growth hormone secretion, improving feed conversion rates, and elevating lean meat ratios. This additive is widely used in swine, poultry, and ruminant farming.
Cysteamine is a potent antioxidant that is particularly susceptible to oxidation, leading to rapid loss of efficacy. Traditional protective methods such as coating technologies have shown limited success in stabilizing this compound. AlliCSZn addresses the oxidation issue through innovative chemical engineering solutions, significantly enhancing practical application performance by optimizing oxidative stability and bioavailability.

02 PHYSICAL PROPERTIES

- Appearance: White to off-white powder
- Odor: Characteristic pungent odor

03 INGREDIENT

Cysteamine hydrochloride, Silicon dioxide.

Parameter	Value
Cysteamine hydrochloride	⩾27.0%
Moisture	⩽5.0%
As	⩽2mg/kg
Cd	⩽0.5mg/kg
Pb	⩽10 mg/kg

04 FUNCTION

- Growth Promotion:Increases daily weight gain by 5%–8% and reduces feed-to-gain ratio by 10%–15%.
- Carcass Improvement:Enhances lean meat ratio by 3%–5% and reduces fat deposition.
- Immune Enhancement:Boosts B-cell and humoral immune functions, lowering diarrhoea rates.
- Economic Benefits:Cost-effective compared to coated products (30%–50% lower cost), with net savings of 40%–60%.

05 PRECAUTIONS

- Safety:Wear protective gear to avoid inhalation of dust.

06 NET WEIGHT

25 kg per pack.

07 RECOMMENDED DOSAGE

The recommended dosage depends on animal type and specific application (g per Ton compound feed):

- Precautions: Avoid contact with oxidizing agents and metal ions (e.g., Fe, Cu). Adjust dosage based on animal species and growth stage.

Application	Dosage (g/T)
Swine	150 – 200
Poultry	100 – 150
Ruminants	250 – 300

08 STORAGE AND SHELF LIFE

- Storage:Seal and store in a cool, dry place away from direct sunlight.
- Shelf life:18 months from the date of manufacture.

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AlliKDF

PRODUCT TECHNICAL DATA SHEET

Feed Additive Potassium Diformate

01 DESCRIPTION

Potassium diformate, a formate salt produced through the crystallization process involving the hydrogen bonding of formic acid and potassium formate, offers advantages over formic acid due to its non-volatile and non-irritating nature, rendering it more suitable for incorporation into animal feed. Through the release of formic acid in the animal's digestive system, potassium diformate can reduce the pH level, eradicate harmful microorganisms effectively, and serve as a substitute for antibiotics in feed, promoting enhanced growth.

02 PHYSICAL PROPERTIES

- White, crystal, odorless

03 INGREDIENT

Parameter	Value
Potassium diformate	⩾95.0%
Moisture	⩽2.0%
As	⩽2mg/kg
Cd	⩽0.5mg/kg
Pb	⩽10mg/kg

04 FUNCTION

- Formic acid, released in the intestinal tract, exhibits sterilizing and antibacterial properties, promoting intestinal health.
- Reducing the pH of gastric juice, facilitating more thorough stomach digestion.
- By reducing immune responses, it fosters animal growth.
- It inhibits the growth of feed mold, enhancing feed quality stability.

05 PRECAUTIONS

- Use it as soon as possible after opening and store it with a bandage.

06 NET WEIGHT

25 kg per pack.

07 RECOMMENDED DOSAGE

The recommended dosage depends on the animal type and specific application plan: (g/T compound feed)

Application	Dosage (g/T)
Weaned Piglet	3000-8000
Growing and Fattening Swine	3000–5000
Sows	2000–4000
Poultry and Laying Hen	500–1000
Aquaculture	500–2000
Ruminants	500–2000

08 STORAGE AND SHELF LIFE

- Store in a ventilated and dry manner, and avoid direct contact with the ground when stacked. The shelf life is more than 18 months.

09 CONTACT INFORMATION

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AlliNCG

PRODUCT TECHNICAL DATA SHEET

Mixed Feed Additives N-Carbamylglutamate II

01 DESCRIPTION

N-Carbamylglutamate (NCG) is a functional analog of N-acetylglutamate (NAG), serving as an essential activator of carbamyl phosphate synthetase I (CPS I) in the urea cycle. NCG bypasses gastric absorption and reaches the intestine intact, where it is hydrolyzed to N-acetylglutamate, thereby enhancing hepatic ureagenesis and improving nitrogen utilization efficiency.

NCG promotes intestinal mucosal growth and development, increases villus height and crypt depth, and optimizes the digestion and absorption of nutrients. It effectively enhances the conversion of ammonia to urea, reducing blood ammonia levels and improving amino acid utilization, thus supporting animal growth performance and intestinal health.

02 PHYSICAL PROPERTIES

- Appearance: White crystalline powder
- Solubility: Partially soluble in water

03 INGREDIENT

Parameter	Value
N-Carbamylglutamate	⩾97.0%
Moisture	⩽3.0%
As	⩽2mg/kg
Cd	⩽0.5mg/kg
Pb	⩽10mg/kg

04 FUNCTION

- Activates carbamyl phosphate synthetase I (CPS I), enhancing the urea cycle and improving hepatic nitrogen utilization efficiency.
- Promotes intestinal mucosal growth, increases villus height and crypt depth, and optimizes nutrient digestion and absorption.
- Enhances the conversion of ammonia to urea, reducing blood ammonia levels and mitigating ammonia toxicity.
- Improves amino acid utilization efficiency, particularly arginine and essential amino acids, supporting animal growth performance.
- Maintains intestinal barrier integrity, reduces gut permeability, and supports overall intestinal health.

05 PRECAUTIONS

- Use it as soon as possible after opening and store it with a bandage. Avoid prolonged exposure to air to prevent moisture absorption.

06 NET WEIGHT

25 kg per pack.

07 RECOMMENDED DOSAGE

The recommended dosage depends on the animal type and specific application plan: (g/T compound feed)

Application	Dosage (g/T)
Weaned Piglet	1000-2000
Growing and Fattening Swine	1000-2000
Sows	1000-2000
Poultry and Laying Hen	500–1000
Aquaculture	500–1000
Ruminants	500–1000

08 STORAGE AND SHELF LIFE

- Store in a ventilated and dry manner, and avoid direct contact with the ground when stacked. The shelf life is more than 18 months.

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AlliNDF

PRODUCT TECHNICAL DATA SHEET

Mixed Feed Additives Formic Acid+Sodium Formate I

01 DESCRIPTION

Formic acid, with its low molecular weight, can permeate bacterial membranes and enter bacteria. It exhibits broad-spectrum antibacterial properties with particularly high efficacy against Gram-negative bacteria. Inclusion in antibiotic-free feeds reduces gastric pH levels.

Sodium diformate serves as a distinctive and efficient supplier of formic acid. It is in crystalline form, making it easily incorporable into feed without impacting animal feed intake. It enhances digestion, suppresses harmful bacteria in the gastrointestinal tract to prevent diarrhoea, and fosters improved growth.

02 PHYSICAL PROPERTIES

- Appearance:White, crystal, slight odor

03 INGREDIENT

Parameter	Volume
Formic acid	⩾35.0 %
Sodium formate	⩾50.0 %
Silicon dioxide	⩽11.0 %
Moisture	⩽4.0 %
As	⩽2mg/kg
Cd	⩽0.5mg/kg
Pb	⩽10mg/kg

04 FUNCTION

- Antimicrobial:Formic acid released in the intestinal tract exhibits sterilizing and antibacterial properties, promoting intestinal health.
- Gastric pH Regulation:Reduces the pH of gastric juice, facilitating more thorough stomach digestion and improved nutrient utilization.
- Growth Promotion:By reducing immune responses, it fosters animal growth and improves feed conversion efficiency.
- Feed Preservation:Inhibits the growth of feed mould and enhances feed quality stability during storage.

05 PRECAUTIONS

- Use as soon as possible after opening and re-seal the container after each use.
- For every 2 kg of this product added to compound feed, reduce sodium chloride by 1 kg correspondingly.
- Avoid inhalation of dust. Wear protective mask when handling large quantities.

06 NET WEIGHT

25 kg per pack.

07 RECOMMENDED DOSAGE

The recommended dosage depends on animal type and specific application plan (g/T compound feed):

Application	Dosage (g/T)
Weaned Piglet	3000–8000
Growing and Fattening Pig	3000–5000
Sows	2000–4000
Poultry and Laying Hen	500–1000

08 STORAGE AND SHELF LIFE

- Store in the manufacturer's sealed packaging, protected from direct sunlight.
- Temperature: –20 °C to 30 °C. Relative humidity: no more than 75%.
- Allow storage at subzero temperatures. Keep out of reach of children.
- Shelf life: 18 months from the date of manufacture.
- Do not use after the expiration date.

09 CONTACT INFORMATION

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AlliNDF

PRODUCT TECHNICAL DATA SHEET

Mixed Feed Additives Formic Acid I

01 DESCRIPTION

Formic acid, with its low molecular weight, possesses the ability to permeate bacterial membranes and enter bacteria. Exhibiting a broad spectrum of antibacterial properties, formic acid demonstrates particularly high efficacy against Gram-negative bacteria. Its inclusion in antibiotic-free feeds can reduce gastric pH levels.

Sodium diformate serves as a distinctive and efficient supplier of formic acid. Not only is it in crystalline form, making it easily incorporable into feed, but it also has no impact on animal feed intake. It enhances digestion, suppresses the proliferation of harmful bacteria in the gastrointestinal tract to prevent diarrhoea, and fosters improved growth.

02 PHYSICAL PROPERTIES

- Appearance:White, crystal, slight odor

03 INGREDIENT

Parameter	Value
Total formate	⩾70.0%
Moisture	⩽3.0%
As	⩽2mg/kg
Cd	⩽0.5 mg/kg
Pb	⩽10 mg/kg

04 FUNCTION

- Antimicrobial:Formic acid, released in the intestinal tract, exhibits sterilizing and antibacterial properties, promoting intestinal health.
- Gastric pH Regulation:Reducing the pH of gastric juice, facilitating more thorough stomach digestion.
- Growth Promotion:By reducing immune responses, it fosters animal growth.
- Feed Preservation:It inhibits the growth of feed mould, enhancing feed quality stability.

05 PRECAUTIONS

- Use as soon as possible after opening and re-seal the container after each use.

06 NET WEIGHT

25 kg per pack.

07 RECOMMENDED DOSAGE

The recommended dosage depends on animal type and specific application plan (g/T compound feed):

Application	Dosage (g/T)
Weaned Piglet	3000–8000
Growing and Fattening Swine	3000–5000
Sows	2000–3000
Poultry and Laying Hen	500–1000

08 STORAGE AND SHELF LIFE

- Store in a ventilated and dry manner, and avoid direct contact with the ground when stacked.
- Shelf life: more than 18 months.

09 CONTACT INFORMATION

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AlliTBG

PRODUCT TECHNICAL DATA SHEET

Mixed Feed Additives Tributyrin VI

01 DESCRIPTION

Tributyrin serves as a supplier of butyrate to animals, capable of traversing the stomach entirely and gradually releasing butyrate in the animals' GIT. This process stimulates the growth and maturation of the intestinal mucosa, ultimately exerting a significant impact on intestinal health. Tributyrin effectively addresses the shortcomings in odor and gastric passage found in sodium butyrate.

02 PHYSICAL PROPERTIES

- White, powder, slight odor

03 INGREDIENT

Parameter	Value
Tributyrin	⩾60.0%
Moisture	⩽3.0%
As	<5mg/kg
Pb	<10mg/kg

04 FUNCTION

- Facilitate the expansion of intestinal villi and crypt cells, optimize the digestion and absorption of nutrients, and stimulate animal growth.
- Enhance the production of mucin and tight junction proteins, maintain the integrity of the intestinal barrier, and mitigate inflammatory responses.
- Reduce the permeability of the small intestine, improve the absorption of sodium and water in the colon, and decrease the incidence of diarrhea.
- Elevate the expression of anti-peroxidase enzymes in the intestinal mucosa, expedite the mending of the mucosal barrier, and enhance the intestinal anti-stress ability.
- Supplement butyric acid and monobutyrin at the same time, leading to dual bacterial inhibition and promote intestinal health.

05 PRECAUTIONS

- Use it as soon as possible after opening and store it with a bandage.

06 NET WEIGHT

25 kg per pack.

07 RECOMMENDED DOSAGE

The recommended dosage depends on the animal type and specific application plan: (g/T compound feed)

Application	Dosage (g/T)
Weaned Piglet	1000–2000
Growing and Fattening Swine	1000–2000
Sows	1000–2000
Poultry and Laying Hen	500–1000
Aquaculture	500–1000

08 STORAGE AND SHELF LIFE

- Store in a ventilated and dry manner, and avoid direct contact with the ground when stacked. The shelf life is more than 18 months.

09 CONTACT INFORMATION

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Butrigrow

PRODUCT TECHNICAL DATA SHEET

Mixed Feed Additives Sodium Butyrate V

01 DESCRIPTION

Butrigrow is a sodium butyrate complex with strong buffering properties synthesized by using unique chemical protection techniques and reacting butyric acid with several buffering salts. Also known as buffered steady-state sodium butyrate. Butrigrow is protected by sodium salt buffering systems, which can effectively reduce the hydrolysis rate of butyrate, thereby promoting the better passage of butyrate through the stomach and into the intestine to play a role. Butrigrow has the characteristics of low moisture absorption, no odor to humans, strong ability to pass through the stomach, and full intestinal slow-release.

02 PHYSICAL PROPERTIES

- Appearance — White particle, odorless;

03 INGREDIENT

Parameter	Value
Sodium butyrate	⩾53.0%
Sodium carbonate	⩾37.0%
Moisture	⩽10.0%
As	⩽2mg/kg
Cd	⩽0.5 mg/kg
Pb	⩽10 mg/kg

04 FUNCTION

- AImprove animal production performance and improve production performance.
- Promote the development of intestinal mucosa and repair damaged intestinal mucosa.
- Reduce intestinal inflammation and reduce the occurrence of intestinal diseases.

05 PRECAUTIONS

- Use as soon as possible after opening and re-seal the container after each use.

06 NET WEIGHT

25 kg per pack.

07 RECOMMENDED DOSAGE

The recommended dosage depends on the animal type and specific application plan: (g/T compound feed)

Application	Dosage (g/T)
Weaned Piglet	750–2500
Growing and Fattening Swine	500–1500
Sows	500–2000
Poultry and Laying Hen	300–1000
Aquaculture	500–2000
Ruminants and others	1000–3000

The recommended dosage for poultry, swine, and other animals is 600–1000 g mixed with 1000 kg of water.

08 STORAGE AND SHELF LIFE

- Store in a ventilated and dry manner, and avoid direct contact with the ground when stacked. The shelf life is more than 18 months.

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