



Jainex Speciality Chemical

**CALCIUM
BUTYRATE**



About Us

Jainex Speciality Chemical is a partnership firm registered under the Partnership Act of 1932 in India.

At Jainex Speciality Chemical, we are dedicated to excellence in all aspects of our operations. By harnessing knowledge, creativity, innovation, and technology, we strive to provide superior consumer insights along with the highest quality products and services to our clients.

Established in 2005, our firm initially focused on the manufacturing and exporting of various butyrate salts, including calcium butyrate and sodium butyrate, to European markets. These products are widely recognized as effective animal feed supplements.

In 2015, we expanded our product line to include calcium propionate, a propionate salt utilized as a preservative in animal feed, notably effective in mitigating mycotoxin levels in feed materials.

Currently, Jainex Speciality Chemical employs innovative, customized technology for the hygienic manufacturing of all our products, under the supervision of industry experts. Our firm is accredited by several national and international quality standards, including FSSAI, WHO-GMP, HACCP, ISO 22000:2005, and FAMI-QS.

Today, Jainex Speciality Chemical is recognized as a leading manufacturer and exporter from India, esteemed for delivering high-quality products and services. Our unwavering commitment to customer satisfaction, characterized by adherence to quality standards and competitive pricing, has facilitated our significant success in both local and international markets. Looking forward, the company intends to continue innovating and expanding its product offerings by introducing a wider range of animal feed additives and preservatives.



CALCIUM BUTYRATE (FEED GRADE)



Calcium Butyrate

Butyric acid is widely recognized for enhancing intestinal integrity, which is vital for achieving healthy and optimal growth. However, liquid butyric acid is rarely utilized due to its distinctive characteristics and strong (pungent) odor. To harness the benefits of liquid butyric acid, various salts—such as Calcium, Sodium, Zinc, or other metallic salts—are employed instead.

We proudly stand as the leading manufacturer and exporter of Calcium Butyrate from India. Our commitment is to produce Calcium Butyrate under hygienic conditions using the highest quality ingredients.

Why Choose Calcium Butyrate?

- It plays a crucial role in safeguarding and restoring intestinal health.
- It serves as an energy source for the intestinal villi.
- It promotes the healthy development of microvilli.
- It aids in increasing the microvilli-to-crypt ratio, enhancing the regeneration of intestinal epithelial cells (villi) to boost nutrient digestibility, ultimately leading to improved feed efficiency.
- It strengthens defenses against pathogens, exhibiting antibacterial activity against a wide range of G+ and G- bacteria by stimulating the intestinal immune system.

Additionally, it functions as a toxin binder.



FAMqs



CALCIUM BUTYRATE (FEED GRADE)



Reasons to Choose Calcium Butyrate from Jainex Speciality Chemicals:

- Manufactured using advanced techniques within a hygienic environment.
- Complies with international quality standards, including HACCP, GMP, and Feed Safety Assurance.
- Contains a stomach-stable fatty acid matrix.
- Available as completely dust-free granules (pearls/beads).
- Enhanced with flavor for improved taste and additional benefits.
- Contributes to increased laying rates and improved eggshell quality.

Free from animal bones and fats.

Varieties of Calcium Butyrate include:

- Dry Calcium Butyrate
- Dry & Flavored Calcium Butyrate
- Encapsulated Calcium Butyrate
- Encapsulated & Flavored Calcium Butyrate
- Super Encapsulated Calcium Butyrate
- Super Encapsulated & Flavored Calcium Butyrate

Offered in two physical forms: powder and granules (pearls/beads).

Benefits of encapsulated calcium butyrate include:

- Reduced hygroscopicity compared to dry calcium butyrate.
- Easier handling in premixes or feed due to minimized odor.
- Encapsulation minimizes strong smells and prevents ingredient interactions.
- Ensures effective delivery of active butyrate to both small and large intestines.

Flavoring agents are used to mask any remaining odor.



FAMI-QS



Calcium Butyrate is distinguished from other acids by its unique advantages, particularly in relation to animal nutrition and gut health. Below are some significant benefits:

- 1. Enhancement of Gut Health:** Calcium Butyrate is renowned for promoting gut health by encouraging the growth of beneficial bacteria and strengthening the gut barrier function. This leads to improved nutrient absorption and overall digestive well-being.
- 2. Anti-inflammatory Properties:** It exhibits notable anti-inflammatory effects, contributing to the reduction of inflammation in the gut and other areas of the body. This is particularly beneficial for animals suffering from inflammatory disorders.
- 3. Energy Source for Colonocytes:** Butyrate serves as a primary energy source for colonocytes, the cells lining the colon. This is essential for maintaining a healthy gut lining, which helps prevent conditions such as leaky gut syndrome.
- 4. Immune System Support:** By promoting a healthy gut microbiome, Calcium Butyrate can enhance the immune system, increasing animals' resilience against infections.
- 5. Improved Performance and Growth:** In livestock, the supplementation of Calcium Butyrate has been associated with enhanced growth performance and feed efficiency, thereby contributing to increased overall productivity and profitability.
- 6. Reduction of Pathogens:** It aids in decreasing harmful pathogens in the gut, thus promoting the overall health and well-being of the animals.

These benefits underscore the value of Calcium Butyrate as a key component in animal feed, supporting health, performance, and productivity.



Calcium Butyrate benefits a wide range of animal species, particularly in the livestock and aquaculture industries. Here are some of the key species that benefit from its inclusion in their diet:

1. Poultry: Chickens, turkeys, and other poultry species benefit from improved gut health, enhanced nutrient absorption, and better overall growth performance.

2. Swine: Pigs experience improved gut health, reduced inflammation, and enhanced growth rates, leading to better feed efficiency and overall productivity.

3. Ruminants: Cattle, sheep, and goats benefit from Calcium Butyrate through improved gut health, better nutrient absorption, and enhanced immune function.

4. Aquaculture: Fish and shrimp benefit from improved gut health, better nutrient utilization, and enhanced resistance to diseases.

5. Calves: Young calves benefit from improved gut health and better growth performance, which is crucial during early development.

These benefits make Calcium Butyrate a valuable addition to the diets of various animal species, helping to enhance their health, performance, and productivity.

By embracing these advancements, farmers can foster a more efficient and sustainable agricultural system. Additionally, the use of encapsulated calcium butyrate in calf rearing highlights the importance of integrating scientific research with practical farming techniques. This synergy not only benefits the animals but also supports environmentally friendly practices, reducing the overall carbon footprint of dairy operations.

As awareness of these benefits grows, educational programs and workshops are being developed to inform farmers about the best practices for implementing this supplement effectively. Collaboration between researchers, veterinarians, and farmers is crucial to refine these methods and maximize their potential.

Looking to the future, the success of encapsulated calcium butyrate may inspire further exploration into other natural supplements and bioactive compounds that can enhance livestock health and productivity. Such innovations could pave the way for a new era in animal husbandry, where the focus is on holistic, sustainable approaches that prioritize both the well-being of livestock and the long-term viability of farming communities.





PACKAGING DETAILS

25 Kg. LDPE Bag

STORAGE CONDITIONS: Store in a tightly sealed container in a cool, dry, and well-ventilated space.

Always use appropriate personal protective equipment, such as gloves and safety goggles, when handling this material.

In case of accidental contact, rinse affected areas with plenty of water and seek medical advice if necessary.





QUOTE WITH US

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**Let's Connect: Discover how Jainex Speciality Chemical
can improve your feed solutions and join the
transformation!**