

Feed Additive

Vitalfeed[®] - Calcium Formate

Description

Calcium Formate is an odourless, free-flowing white crystalline solid or powder. It is a convenient source of calcium and formate ions for aqueous solutions.

Applications

Calcium Formate can be used as organic acidifiers to improve feed palatability, sterilize feed, provide energy to body and take part in nutrient metabolism. Large quantities of studies have confirmed that adding organic acidifiers in piglet daily diet can improve pig production.

Use

Calcium formate is used within EU as an animal feed preservative. It acidifies the feed thus preventing microbe growth and increasing shelf life. About 15 g of calcium formate addition per kg of feed lowers its pH by one. 15 g/kg is the maximum recommended feed concentration within EU – this level is thought to be safe for pigs, chickens, fish and ruminants. The compound is not environmentally harmful in feed use at these levels. Calcium formate prevents the growth bacteria such as E. coli, Pseudomonas aeruginosa, Staphylococcus aureus and Enterococcus hirae in growth mediums. It also prevents the growth of fungi like Aspergillus niger and Candida albicans.

Benefits in Use

- Has preservative effect
- With digestive function

Specification

Type	Cafo-FP	Cafo-FC
Appearance	Powder	Crystalline
Calcium formate%	≥98	
Ca Content(%)	≥30.1	
Dry-loss(%)	≤0.5	
Non-soluble(%)	≤0.15	
Heavy Metal(Pb) %	≤0.001	

Addition Rates

Dosage rates will be dependant on mix design, process, types of materials and the desired effect but typically:

600gms - 1200gms per 100 kg feed
(0.6-1.2% by weight of feed)

It is advisable to carry out preliminary tests to establish the correct dosage for the application.

Standards

Calcium Formate is produced in accordance with the ISO 9001 Quality Management Standard and the FAMI-QS Standard.



Compatibility

Calcium and phosphorus are difficult to be absorbed in an alkaline environment, so feed grade calcium formate should not be used simultaneously with additives that are more alkaline, such as Choline.

Disclaimer

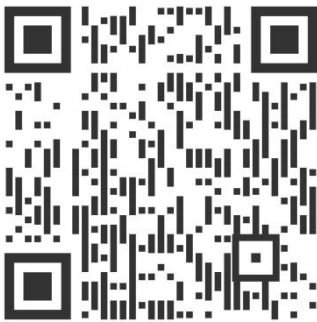
Storage

Store the product in a cool dry and ventilated environment. Moisture ingress can cause the product to not work as effectively as the original product and Also produces hard lumps

Packaging

Calcium Formate is supplied in 25kg bags.

Scale find more information(Photos;Video;Documents)



Handling

Calcium Formate is not an irritant by contact with the skin, it can be easily removed from any surface with soap and water. Inhalation can cause an irritation of the first part of the respirator tract, this sensation disappears immediately when you stop handling it, it is therefore advisable to use a dust mask and avoid its dispersion in the environment. In case of accidental spillage it must be picked up in its dry state and discharged in an authorised waster dump.

Refer to the Material Safety Data Sheet for full details.

Please consult the Vitchem Technical Department for advice on admixture selection.

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Disclaimer

The physical properties quoted are typical, and should not be taken as a specification. The information supplied in our literature is based on data and experience and is given in good faith. Our policy is one of continuous research and development and we reserve the right to update this information at any time; customers should therefore ensure they have the latest issue. Whilst we guarantee the consistent high quality of our products, we have no control over the circumstances in which our materials are used, site conditions or the execution of the work and are therefore unable to accept any liability for any loss or damage which may arise as a result thereof. Materials are supplied in accordance with our standard conditions of sale.