



# Nutri~Shield, Inc.

## Product Bulletin NS-1040DF

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### **Nutri-Shield Process Technology**

This is a “dust free” product. Using a proprietary, deodorization process, the off-flavors and odors often associated with dry chemical powders can be eliminated. By applying this technology to food preservatives, a new generation of products is now available for food formulators to utilize when designing preservation systems for new food formulations.

### **Product Benefits**

NS-1040DF is a deodorized preservative system effective against mold and rope bacteria up to a pH of 6.0. After the Nutri-Shield process, this system will NOT add any color, odor, or chemical flavors typically associated with the standard chemical components

➤ **Calcium Propionate** – Effective at an ideal pH of 5.0 to 5.8 in most applications against mold and rope and some bacteria. INEFFECTIVE against yeast. (CFR 184.1221)

➤ Given that this product does not have activity against yeast of any kind, it is particularly useful in yeast-leavened

bakery products . Contains no allergens.

### **Typical Applications**

NS-1040DF has proven effectiveness in a variety of food systems including:

- Bakery Goods
- Croissants
- Bagels and other Bread-Type Products

### **Typical Usage Levels**

NS-1040DF is typically added at a rate of 0.05% to 0.10% of the weight of the food product.

### **Product Features**

Color: White (free from other discoloration).

Form: Granular and powder.

GRAS (Generally Recognized As Safe).

Kosher Certified.

Bioterrorism# 11980927702

### **Packaging & Storage**

A heat sealed, multi-wall plastic bag consisting of 3 layers.

Contents per bag: 50 pounds/22.7 kg net weight.

800 bags per 40 ft trailer, 40 bags per pallet.

Store in a cool, dry place, out of direct sunlight.

Keep boxes sealed tightly after opening.

Typical shelf-life: 6 months

### **Labeling**

Recommended labeling: calcium propionate,

Nutrition labeling is not required for this system.

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We believe this information to be accurate and reliable; however, no warranty, either expressed or implied, is made and no freedom from liability, from Patents, Trademarks or other limitation should be inferred.

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