



## TECHNICAL DATA SHEET

### SUPERFERM™

#### Composition and appearance:

- Ingredients: Fully autolysed yeast products, DAP (25%), minerals, vitamins
- Tan, hygroscopic powder with somewhat yeasty aroma

#### Purpose:

- Complex nutrient for yeast fermentation
- Helps prevent stuck or sluggish fermentations
- Promotes yeast growth, viability, and long-term survival
- Increases alcohol tolerance of yeast
- Helps prevent H<sub>2</sub>S and volatile acidity formation during fermentation
- Promotes more complete utilization of nutrients
- Improves aromas and flavors by balancing amino acid usage
- Much more information is available in BSG catalog

#### Typical Dosage Rate:

- 300-600 ppm (2.5-5 lb/1000 gallons), providing 10 ppm available nitrogen in 120 ppm (1 lb/1000G)
- Legal limit 5 lb/1000G
- Dose depends on must nitrogen content, see charts in BSG catalog
- IMPORTANT: Nitrogen-deficient musts require EXTRA DAP plus Superferm

#### Preparation and use:

- Stir into water or juice before adding, to aid in dispersal.
- Break total dose into portions, add in stages (SEE BSG CATALOG):
  - Stage 1: At yeast inoculation if juice YAN is 150 ppm or less
  - Stage 2: During first half of fermentation
  - Stage 3: At mid-fermentation
- For uninoculated fermentations, begin adding nutrients when *Saccharomyces* yeasts are growing (examine under microscope or wait for a clean, yeasty-smelling fermentation to begin).

#### General Points:

- Contains DAP and other ingredients not permitted for organic wine

#### Shelf Life and Stability:

- Store tightly closed at cool room temperature (20 C/68 F or below) in a dry place.
- Hygroscopic, will form lumps if exposed to air. Discard if lumps form that cannot be broken easily into powder, or if an unpleasant aroma develops.
- Can be used for 2-3 years if it is still in powder form and retains a clean, yeasty aroma.
- Shelf life may be reduced if stored at a warmer temperature and/or in humid conditions, or if stored in contact with air.

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### Safety Information:

- Skin and eye irritant; wear eye protection, dust mask, and coat

GMO STATEMENT: To the best of our knowledge and the knowledge of the supplier or manufacturer of the ingredients, no GMO's are used in the preparation or manufacture of any of our nutrient products.

For technical assistance with Superferm:

Please contact the inventor, Lisa Van de Water at [vinotecnapa@aol.com](mailto:vinotecnapa@aol.com) or call 707.953.7072,

Or call your BSG Technical Sales Representative 800.585.5562