



TECHNICAL DATA SHEET

STARTUP®

Composition and appearance:

- Ingredients: Fully autolysed yeast products, complex minerals, vitamins
- Deep tan, hygroscopic powder with a yeasty aroma
- Contains NO inorganic nitrogen

Purpose:

- Add to water used to rehydrate yeast, for a faster start to the fermentation
- Especially recommended when adding DAP separately, or if nitrogen addition is not needed
- Allows winemakers TOTAL control of nitrogen additions
- Helps balance must composition and prevent stuck fermentations
- Use in starters for reinoculating stuck wines
- More information is available in BSG catalog

Typical Dosage Rate:

- Added to yeast rehydration water: 50 g/liter of water
- As a yeast nutrient: 250 ppm (2 lb/1000 gallons), providing 6 ppm available nitrogen in 120 ppm (1 lb/1000G)
- Legal limit 6 lb/1000G
- IMPORTANT: Add Startup PLUS DAP to nitrogen-deficient musts

Preparation and use:

- Add to yeast rehydration water before adding yeast, to stimulate growth
 - Make sure that nitrogen has been brought to correct level (250 ppm for 24 B, more if higher) when adding any product to yeast rehydration water
- As a yeast nutrient, stir into water or juice, or stir directly into juice.
 - Break dose into portions, add at yeast inoculation and at mid-fermentation
 - ADD DAP according to YAN levels
- For uninoculated fermentations, add nutrients when *Saccharomyces* yeasts are growing (examine under microscope or wait for a clean, yeasty-smelling fermentation to begin)

General Points:

- Contains vitamins and minerals 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.
- Can be used for 2 years if it is still in powder form and retains a clean, yeasty aroma.
- Shelf life may be reduced significantly 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 Startup:

Please contact the inventor, Lisa Van de Water at vinotecnapa@aol.com or call 707.953.7072,

Or call your BSG Technical Sales Representative 800.585.5562