



# DSPN PRO

***Advanced yeast nutrient formulation for improving fermentation efficiency and ethanol yield.***

Ethanol fermentation often faces challenges such as nutrient imbalance, yeast stress, and inefficient metabolism, resulting in lower productivity and inconsistent performance.

DSPN Pro is a tailored nutrient formulation designed to support yeast growth, enhance metabolic activity, and improve fermentation efficiency across multiple feedstocks.

## **Mode of Action**

- Provides a balanced supply of macro and micronutrients essential for yeast metabolism.
- Supports enzyme mechanisms and cellular housekeeping functions in yeast.
- Enhances yeast growth rate, improves nutrient uptake, and stabilizes fermentation under stress conditions.

## **Product Key Benefits**

- Provides all essential nutrients required for yeast during fermentation
- Ensures balanced nitrogen availability
- Promotes higher yeast productivity with lower by-product formation
- Improves fermentation rate and ethanol yield
- Works effectively across varying pH and temperature conditions

## Product Application

Applicable in ethanol fermentation processes.

Used during yeast propagation, pre-fermentation, and fermentation stages.

## Operational Conditions

- Temperature 30–50°C
- pH 3.5–6.0

## Dosage

- 10–20 ppm in syrup and molasses; 50–75 ppm in grain

## Product Characteristics

Composition: Nutrient mixture

Form: Powder

Appearance: Off-white to pale yellow/brown

## Product Packaging

- 25 kg HDPE drums with 1 kg aluminium packs

## Product Shelf Life

- Up to 2 years (under recommended storage)

## Product Handling

- Avoid inhalation of dust or aerosols.
- Use PPE including gloves and eye protection.
- Prevent splashing and dust formation.
- Store in cool, dry conditions away from sunlight and moisture.
- Follow MSDS guidelines for safe handling.



ISO 9001:2015 Certified | FSC 22000 Certified

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Certifications:

