

NUTRIENTS



THIAMINE HYDROCHLORIDE

TECHNICAL DATA SHEET

Description

Thiamine Hydrochloride (also known as vitamin B1) is a critical micronutrient for healthy yeast metabolism and consistent energy production. It acts as a vital co-factor, supporting the yeast's ability to synthesise the essential enzymes required to break down sugars during fermentation. This is particularly important in wine and cider production.

Benefits

- Prevents off flavours from yeast stress
- Avoids stuck and sluggish fermentations
- Aids consistent cider and wine fermentations

Principle

Addition of thiamine during fermentation has been shown to improve yeast cell growth and fermentation rate. Thiamine and its biologically active forms are essential cofactors for central pathways in sugar metabolism, organic acid production and production of certain amino acids.

Guideline for use

- Check that the product is within its shelf life before use
- Ensure even mixing when added to the must / juice.
- Read the Safety Data Sheet prior to use

PRODUCT CODE

THIHYD

COMMODITY CODE

29362200

PACKAGING

5kg

20kg

STORAGE

Keep in original container

Keep containers sealed when not in use

Temperature

Recommended storage temperature

0°C - 30°C

41°F - 86°F

Location

Cool well-ventilated area

Store in cool conditions away from direct sunlight

Shelf Life

At the recommended storage temperature, 24 months from the date of manufacture

Application and Rates of Use

The exact optimal dose rate of this product will vary depending on the yeast and fermentation media.

Research in cider production indicates that dosage rates of up to 0.2 mg/L are highly effective in preventing sluggish or stuck fermentations.

For maximum efficacy, Thiamine should be added at the beginning of fermentation. This ensures the nutrient is readily available during the critical yeast growth phase (lag phase), setting the foundation for a healthy population.

TECHNICAL SUPPORT

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REGULATORY COMPLIANCE INFORMATION

Refer to the 'Product Specification Sheet'

+44 (0) 115 978 5494

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	Product name : Thiamine Hydrochloride
	Product code : TH1HYD
	Doc Ref : TDS108
For Health & Safety Information refer to the Safety Data Sheet	Issue Date : 13/04/2026
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