

## LIQUOR TREATMENTS

# CALCIUM CARBONATE

## TECHNICAL DATA SHEET

## Description

Calcium Carbonate (Chalk) is a salt used to increase the mineral content of brewing liquor to improve its brewing quality and produce the desired beer characteristics.

## Benefits

- Increases alkalinity of brewing liquor
- Useful in dark beers such as milds, porters and stouts
- Balances pH reducing effects of dark grains in soft water areas
- Increases wort pH
- Improves yeast health and flocculation
- Adds calcium ions

## Principle

The objective of liquor treatment is to convert your water supply into acceptable brewing liquor. Treating your brewing liquor is vitally important. When applied correctly all the steps throughout the brewing process will be at the optimum pH.

**PRODUCT CODE**

CHALK

**COMMODITY CODE**

28369917

**PACKAGING (kg)**

25 kg

**STORAGE**

Store in original container.  
Keep containers sealed when not in use.

**Shelf Life**

At the recommended storage conditions, 3 years from date of manufacture.

## Application and Rates of Use

Calcium carbonate is normally added to the grist prior to mashing.

Calcium carbonate should NOT be added to the hot liquor tank (HLT), as it tends to precipitate out of solution, especially at higher pH levels. They will remain in the hot liquor tank as opposed to being released into the grist, thus requiring the HLT to be cleaned on a regular basis.

Adding 5 g/hL increases calcium ions by 20ppm and increases alkalinity by 50ppm.

### Rates of use:

Based on this, rates of calcium carbonate additions should be determined based on the final brew-length and are dependent on the levels of calcium and alkalinity in your untreated liquor. Murphy and Son are happy to help calculate your addition rates.

## Guideline for use


- Check that the product is within its shelf life before use
- Test you water regularly to obtain ideal dosage rates for the best results
- Read the Safety Data Sheet prior to use

## TECHNICAL SUPPORT

+44 (0) 115 978 5494 | [techsupport@murphyandson.co.uk](mailto:techsupport@murphyandson.co.uk)

## REGULATORY COMPLIANCE INFORMATION

Refer to the '[Product Specification Sheet](#)' or contact us on:  
+44 (0) 115 978 5494 | [compliance@murphyandson.co.uk](mailto:compliance@murphyandson.co.uk)

	Product name : Calcium Carbonate
	Product code: CHALK
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