



LIQUOR TREATMENTS

CALCIUM SULPHATE DIHYDRATE

TECHNICAL DATA SHEET

Description

Calcium Sulphate Dihydrate E516; Gypsum is a salt used to increase the mineral content of brewing liquor to improve its brewing quality and produce the desired beer characteristics.

Benefits

- Reduces the pH during mashing and wort boiling which improves enzyme activity
- Promotes the precipitation of unwanted proteins in the kettle, hop back or whirlpool
- Improves yeast health and flocculation
- Improves extract yield and fermentability
- Improves wort run-off
- Reduces beer stone and can prevent gushing in beer
- Adds sulphate ions which give beer a drier and more bitter effect and correct mouthfeel

Principle

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

PRODUCT CODE

CAL SUL

COMMODITY CODE

25201000

PACKAGING (KG)

25 KG

STORAGE

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

Shelf Life

At the recommended storage conditions, 2 years from date of manufacture.

Application and Rates of Use

Calcium sulphate is normally added to the grist prior to mashing but can be split across the mash and sparge liquor. To achieve best results, we recommend any salts dosage in excess of 75g/hL be added 2/3 with the grist and 1/3 with the sparge. This will maintain an even distribution of calcium and help maintain pH levels throughout the mash and sparge.

Calcium Sulphate should not be added to the hot liquor tank (HLT), as some constituents might 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.

Rates of use:

Rates of calcium sulphate should be determined based on the final brew-length and are dependent on the levels of calcium, sulphate and chloride present in your untreated liquor.

Adding 5 g of calcium sulphate dihydrate per hL of your brewlength increases calcium levels by 11.6 ppm and increases sulphate levels by 27.9 ppm. Knowing this information, you can calculate the amount of Calcium Sulphate needed to increase the relevant ions to the ideal level. Murphy and Son Ltd are more than happy to help calculate these dosage rates for you.

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

REGULATORY COMPLIANCE INFORMATION

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

	Product name : Calcium Sulphate Dihydrate
	Product code: CALSUL
	Doc Ref: TDS023
For Health & Safety Information refer to the Safety Data Sheet.	Issue Date: 28/03/25
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