



LIQUOR TREATMENTS

MAGNESIUM SULPHATE

TECHNICAL DATA SHEET

Description

Magnesium Sulphate (Heptahydrate) 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 sulphate content of brewing liquor without increasing calcium content
- Imparts dry bitter character to beer
- Magnesium ions help reduce wort pH to a lesser extent than calcium ions)
- Magnesium ions are a key cofactor during fermentation and play a key role in yeast health

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.

Magnesium Sulphate contains sulphate ions to adjust the levels in the correct ratio, ideal for most beer styles without adding extra calcium ions.

PRODUCT CODE

MAGSUL

COMMODITY CODE

28332100

PACKAGING (kg)

25 kg

STORAGE

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

Temperature

Recommended storage temperature is 5°C - 25°C.

Shelf Life

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

Application and Rates of Use

Magnesium Sulphate is normally added to the grist prior to mashing.

Magnesium 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 Magnesium Sulphate should be determined based on the final brew-length and are dependent on the levels of calcium, magnesium, sulphate and chloride present in your untreated liquor. It is recommended that magnesium levels should not exceed 50ppm.

5 g of Magnesium Sulphate (heptahydrate) per hL of your brew-length increases magnesium levels by 54.9 mg/L (ppm) and increases sulphate levels by 19.5 mg/L.

Guideline for use

- Check that the product is within its shelf life before use
- Regularly test your water to determine the optimal dosage 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

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