



LIQUOR TREATMENTS

AMS

TECHNICAL DATA SHEET

Description

AMS, a blend of food-grade acids, reduces alkalinity while enhancing beneficial ions in product water. Designed primarily for the brewing industry, it is also widely used in water treatment across the broader beverage sector. Contains E513 and E507

Benefits

- Reduces alkalinity levels in brewing liquor
- Maintains optimal pH levels throughout the brewing process
- Enhances enzyme activity during mashing for maximum efficiency
- Boosts extract yield and fermentability
- Filter performance is enhanced
- Improves wort clarity, stability, and run-off
- Adds chloride and sulphate ions in suitable proportions

Principle

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

PRODUCT CODE

AMS

COMMODITY CODE

2807000

PACKAGING (kg)

12.5, 25, 200, 1000 kg

STORAGE

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

Temperature

Recommended storage temperature is 5°C - 20°C.

Location

Store in cool conditions away from direct sunlight.

Shelf Life

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

Application and Rates of Use

AMS can be added to either the cold or hot liquor tank and should be thoroughly mixed. Time should be allowed to release the carbon dioxide produced by the neutralisation of excess carbonate. Please take into account any residual treated liquor when topping up your tank as this will affect alkalinity levels. Addition of AMS to the cold liquor tank has the added benefit of preventing scale build up on the heating elements.

AMS can also be used in pH trimming of wort and finished products (such as hard seltzer) to reduce pH. Addition rates for AMS are dependent on the levels of alkalinity and other important ions present in your untreated liquor as well as target profile / beer style being produced.

5mL AMS per hL of water reduces the alkalinity by 8.4 mg/L (ppm) and increases chloride levels by 3.1 mg/L (ppm) and sulphate levels by 3.9 mg/L (ppm).

When used in pH trimming, a lab scale trial should be carried out before addition.

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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	Product code: AMS
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For Health & Safety Information refer to the Safety Data Sheet.	Issue Date: 18/02/2025
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	Written by: Celina Dugulin
	Authorised by: Iain Kenny
