**LIQUOR TREATMENTS****HYDROCHLORIC ACID 30%**

## TECHNICAL DATA SHEET

**Description**

Hydrochloric Acid 30% is a ready for use food grade acid used to reduce alkalinity and to increase chloride ions in brewing liquor. Contains E507.

**Benefits**

- Reduces the alkalinity levels of brewing liquor
- Gives optimum pH levels throughout the whole brewing process
- Enhances enzyme activity during mashing for maximum efficiency
- Improves extract yield and fermentability
- Improves wort run off, clarity and stability
- Adds desirable chloride ions

**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**

HYDA30

**COMMODITY CODE**

28061000

**PACKAGING (kg)**

25 &amp; 1150 kg

**STORAGE**

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

**Temperature**

Recommended storage temperature is 10°C - 20°C.

Precipitation may occur at low temperatures.

**Location**

Store in cool conditions away from direct sunlight.

**Shelf Life**

At the recommended storage conditions, one year from date of manufacture.

## Application and Rates of Use

Hydrochloric Acid 30% 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 hydrochloric acid 30% to the cold liquor tank has the added benefit of preventing scale build up on the heating elements.

### Rates of use:

Addition rates for hydrochloric acid 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.

5 mL per hL of Hydrochloric Acid 30% reduces alkalinity by 23.7 ppm and increases chloride by 16.8 ppm.

## 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](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 : Hydrochloric Acid 30%
	Product code: HYDA30
For Health & Safety Information refer to the Safety Data Sheet.	Doc Ref: TDS041
	Issue Date: 24/02/2025
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	Written by: Celina Dugulin
	Authorised by: Iain Kenny

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