



PRODUCT NAME: ASCORBIC ACID

PRODUCT CODE: ASCA

COMMODITY CODE: 29362700

COUNTRY OF ORIGIN: CHINA

PACKAGING: 2.5 kg, 5 kg and 25 kg

## TECHNICAL INFORMATION SHEET

### ASCORBIC ACID E300 - STABILISER

#### Description

ASCORBIC ACID is supplied as a fine white to off-white powder.

#### Benefits

- Is an economically effective anti-oxidant
- Reduces the susceptibility of beer to oxidation haze
- Increases the shelf-life of pasteurised and non pasteurised beers
- Prevents "papery" (oxidation) off flavours in the final product

#### Application

Solutions of ASCORBIC ACID should always be freshly prepared and treated into the bulk of the beer without delay, if possible metering into the flow of beer to tank. Anti-oxidant treatment is more efficient when added before the beer has had contact with air, i.e. as soon as practicable after fermentation. Addition of the material prior to cold storage is common practice, in which case the anti-oxidant should be added when the tank is almost full to minimise contact with air.

#### Rates of Use

Rates of addition are typically within the range of 2.0 to 5.0 grams per hectolitre, dependant upon the residual oxygen level in the beer, the degree of contact with air post treatment and the required shelf-life of the product.

#### Specification

|                                     |  |
|-------------------------------------|--|
| FORMULA & SYNONYMS                  | $C_6H_8O_6$ , 2,3-Didehydro- L threo- hexono- 1,4-Lactone, L-Ascorbic acid |
| APPEARANCE                          | White to pale off white, odourless crystalline solid                       |
| ODOUR                               | Odourless  |
| <u>Analysis</u>                     |  |
| Assay                               | ≥ 99.0% on a anhydrous basis   |
| Loss on Drying                      | ≤ 0.4%   |
| Sulphated Ash                       | ≤ 0.1%   |
| pH                                  | 2.4 - .8 (2% aqueous solution)   |
| <u>Maximum Limits of Impurities</u> |  |
| Heavy Metals                        | ≤ 10 ppm   |
| Arsenic                             | ≤ 3 ppm  |
| Lead                                | ≤ 2 ppm  |
| Mercury                             | ≤ 1 ppm  |

#### Regulations

This material conforms to the requirements of Commission Regulation EU No231 / 2012 for E300.

## Storage and Handling

- Store in cool conditions away from direct sunlight
- Keep in original container
- Keep containers sealed when not in use
- Storage temperature is 5°C to 30°C
- The shelf life at the recommended storage temperature is at least 1 year from the date of manufacture

## Technical Support

For Health & Safety information on this product, please see the Safety Data Sheet (SDS)

For support and advice on the use of this product, please call or e-mail our Technical Support:-

Telephone:- + 44 (0)115 978 5494

[techsupport@murphyandson.co.uk](mailto:techsupport@murphyandson.co.uk)

For up to date information regarding, Kosher, Halal, Vegetarian, GMO status, or anything not mentioned on this tech sheet please email:-

[compliance@murphyandson.co.uk](mailto:compliance@murphyandson.co.uk) or call +44 (0)115 978 5494

## Reference

|                   |               |                      |                      |
|-------------------|---------------|----------------------|----------------------|
| <b>PRODUCT</b>    | ASCORBIC ACID | <b>PRODUCT CODE</b>  | ASCA                 |
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