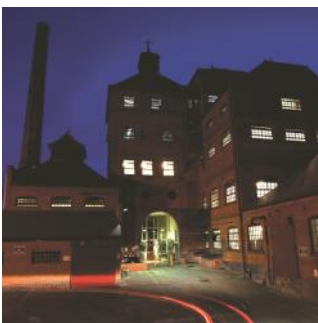


TECHNICAL INFORMATION SHEET: KMS SOLUTION 18% (E224)

PRODUCT NAME: KMS SOLUTION	Description KMS Solution is a food grade Potassium Metabisulphite solution, which provides a convenient way of adding measured quantities of sulphur dioxide.
PRODUCT CODE: KMSS18	
COMMODITY CODE: 28322000	Benefits
PACKAGING: 25 AND 1200 KG	<ul style="list-style-type: none">• Approved for use in food and beverage products.• Prevents microorganisms from growing and reproducing.• Prevents biological spoilage.• Has antioxidant properties.• Increases the stability and prolongs shelf life of wine, cider and beer.• Can be used for the removal of free chlorine in tap water which can cause chlorophenolic off flavours in beer.



TECHNICAL SUPPORT

tel: +44 (0) 115 978 5494 | e: techsupport@murphyandson.co.uk

REGULATORY COMPLIANCE INFORMATION

Refer to the **Product Specification Sheet** or contact us on

tel: +44 (0) 115 978 5494 | e: compliance@murphyandson.co.uk

HEALTH & SAFETY INFORMATION

Refer to the **Safety Data Sheet (SDS)**

- Can be used as an alternative to Sodium Metabisulphite where sodium ion is not preferred.

Principle

Potassium Metabisulphite is a permitted derivative form of sulphur dioxide and is a well established proven preservative which is used in the brewing, wine and food industries. It is also known as E224. Added to wine and cider at the pH range of between 3.6 and 4.4 it prohibits the growth of wild yeasts, bacteria and fungi giving effective prevention of biological spoilage. In addition to this its antioxidant properties confer increased physical stability and prolonged shelf life to beer.

Guidelines for use

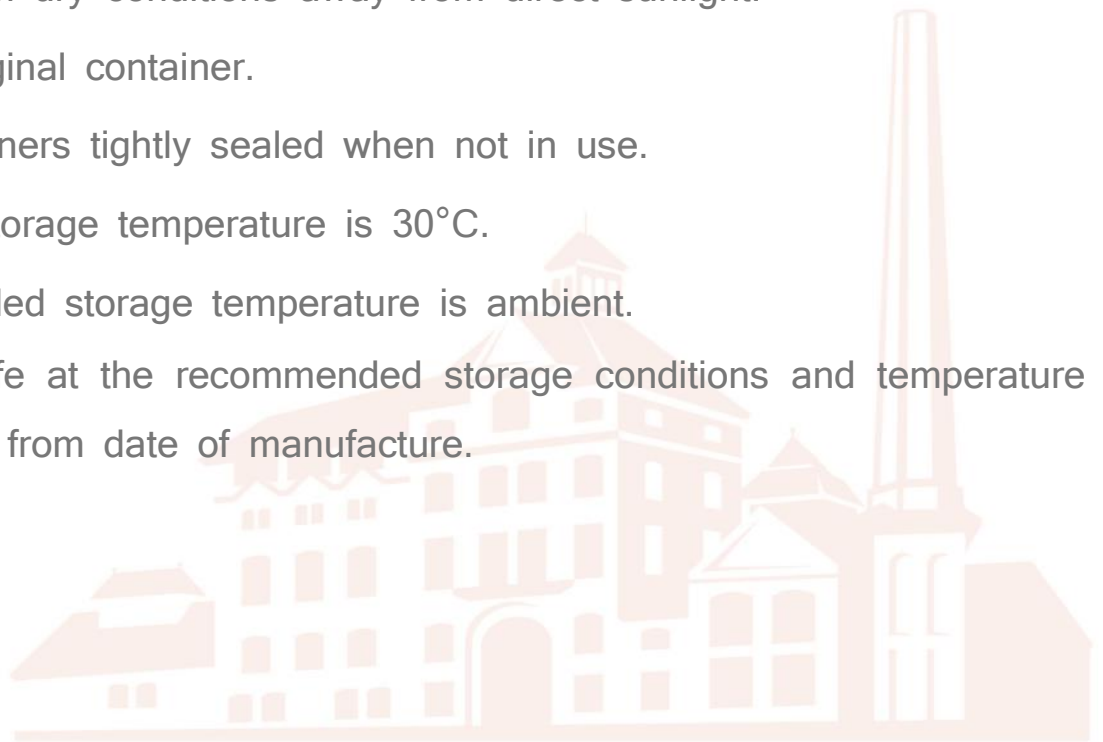
- Check that the product is within its shelf life before use.
- Check local, up to date regulations prior to use.
- Read the Safety Data Sheet prior to use.
- The maximum level permitted for SO₂ in cask conditioned beer is 50 ppm. In all other beers only 20 ppm SO₂ is permitted (Council Regulation 1333/2008/EC).
- Sulphur dioxide and sulphites at concentrations of more than 10 mg/kg or 10 mg/ litre expressed as SO₂ must be labelled as allergenic (European Directive (2003/89/EC)).
- Read Safety Data Sheet Prior to use.

Application and rates of use

KMS solution 18% is added at any point in the process when used as a wine / cider preservative. 10 ml KMS Solution 18% per hectolitre gives 18 ppm sulphur dioxide (SO₂).

Storage and shelf life

- Store in cool dry conditions away from direct sunlight.
- Keep in original container.
- Keep containers tightly sealed when not in use.
- Maximum storage temperature is 30°C.
- Recommended storage temperature is ambient.
- The shelf life at the recommended storage conditions and temperature is one year from date of manufacture.



PRODUCT	KMS SOLUTION	PRODUCT CODE	KMSS18
ISSUE No.	4	DATE	26/1/24
WRITTEN BY	C Dugulin	AUTHORISED BY	I Kenny