



PRODUCT NAME: PERACETIC ACID 5%

PRODUCT CODE:PAA5

CUSTOMS TARIFF/COMMODITY CODE:29152900

PACKAGING:25 OR 30KG JERRY CAN

TECHNICAL INFORMATION SHEET

PERACETIC ACID 5% —HYGIENE

Description

Peracetic Acid 5% is a stabilised, equilibrium mixture of **peracetic acid 5%**, water, acetic acid and hydrogen peroxide. **Peracetic acid 5%** is one of the most powerful microbiocides available and is active against a wide spectrum of micro-organisms including aerobic and anaerobic bacteria, bacterial spores, moulds, yeasts other fungi, their spores and also algae.

Benefits

- Fast acting
- Non-foaming
- Non-tainting
- Non polluting to the environment
- No need to rinse after use

Rates of Use

Small items can be left to soak overnight in a steeping tank using **Peracetic Acid 5%** diluted, 3-10mls PAA per litre of water.

Beer mains and hoses may be filled after cleaning with a diluted solution of PAA, 3-5mls PAA per litre of water and left for several hours before draining off.

Large vessels and plant are best treated by spray-ball using a dilute solution of PAA, 10-20ml in a litre of water. Alternatively a fog gun may be used but particular attention must be paid to safety precautions if a fog spray is used, to avoid eye or skin contact or inhalation.

Application

The product can be used in any application where the degree of soiling is light and a disinfecting action is required after cleaning. Where the soil is heavy and contains e.g. proteins, dextrans, cellulose, mucilage, pectin or tannin and a disinfecting agent is not required, hot caustic solutions are more appropriate for regular routine cleaning.

Solutions of **Peracetic Acid 5%** should be made up freshly. Use at a rates given above. It should be remembered that in the case of spray use the sterilising effect is virtually immediate and no residual protection is afforded against later contamination. Vessels should therefore be sterilised immediately prior to use or be kept tightly sealed after sterilisation.

Peracetic acid 5% is a terminal disinfectant and provided that items are well drained after treatment, solutions need not be rinsed off. The product decomposes to acetic acid and oxygen, neither of which in such small quantities will have any adverse effects.

Guidelines for use

- Check that the product is within its shelf life before use
- Do not mix with incompatible materials
- Incompatible materials include acids, bases, (oxidising and reducing agents) and combustible materials
- Contact with brass, bronze, copper, iron, lead, manganese, nickel, silver, zinc and other catalytic metals accelerates decomposition to oxygen, gas and heat. Therefore, these materials must be absent in transfer pumps and pipes. Contact of the concentrated material with natural and synthetic rubbers should be avoided
- The only materials of construction recommended for contact with are stainless steel 304L, 316L, PTFE, PVDF and glass. Soft PVC and polythene are suitable for short periods
- Read the Safety Data sheet prior to use

Specification

Composition	Equilibrium mixture of peracetic acid, acetic acid, hydrogen peroxide and water		
Appearance	Clear colourless liquid		
Odour	Distinctive pungent odour		
Specific Gravity (20°C)			1.12
<u>Analysis</u>			
Peracetic acid (% w/w)			5.3 ± 1.1
Flash point (°C)			> 97
Freezing point (°C)			< -28
Boiling point			Decomposes
Decomposition temperature (°C)			65

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

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 or call +44 (0)115 978 5494

Storage & Shelf life

- Store in cool conditions away from direct sunlight
- Keep in original container
- Keep containers sealed when not in use
- Maximum storage temperature is 30°C
- Recommended storage temperature is 15°C
- The shelf life at the recommended storage temperature is 12 months from date of manufacture

Reference

PRODUCT	Peracetic Acid 5%	PRODUCT CODE	PAA5
ISSUE No.	2.0	DATE	26/07/2016
CREATED BY	F.M.Maud	AUTHORISED BY	Dr Christine Fleming