

PRODUCT SPECIFICATION SHEET

Peracetic Acid, 5% Peracetic Acid Solution, 5%

Applications	Peracetic Acid 5% is a broad-spectrum microbiocide used for the control of bacteria, bacterial spores, fungi, and yeast. The product can be used in a wide range of industrial applications, including: <ul style="list-style-type: none"> • No-rinse sanitizer on food and beverage processing equipment; • General purpose hard surface disinfectant; • Bacteria and slime (deposit) control in water treatment applications.
Formula	CH ₃ CO ₃ H MW = 76.05 g/mol CAS number 79-21-0
Synonyms	Ethaneperoxyic acid, peroxyacetic acid, acetyl hydroperoxide
Chemical Properties	Peracetic Acid 5% is a stabilized equilibrium mixture of peracetic acid, hydrogen peroxide, acetic acid and water. It is miscible in water and organic solvents. Peracetic acid rapidly decomposes in the natural environment leaving no harmful decomposition products.

Test	Specification	Typical Result
Peracetic Acid, wt. %	4.9	4.7 – 5.1
Hydrogen Peroxide, wt. %	26.5	25.7 – 27.3
Acetic Acid, wt. %	6.3	
Water, wt. %	60.7	
Total Active Oxygen, wt. %	13.6	
Density 20°C (68 °F), g/ml	1.120	
Vapor Pressure 20 °C (68 °F), mbar	27	
pH (100 g/L H ₂ O) 20 °C (68 °F)	2	
Flash Point, °C (°F) DIN 51584	>97 (207)	
Freezing Point, °C (°F)	-28 (-18)	
Boiling Point, °C (°F)	99 (210)	
Appearance	Clear	
Odor	Vinegar-like	

Storage	Peracetic acid containers must be stored in an upright position. The storage area should be well ventilated and shaded from sunlight, as well as protected from sources of radiant heat. Contamination of the product, especially by heavy metals and alkali, must be avoided.
Shelf Life	At least 12 months without notable loss of active oxygen content if stored properly.
Packaging	<ul style="list-style-type: none"> • 5 gallon (nominal) carboy contains 40 lb (18 kg) approximately 4.3 gallons (16.2 l) • 55 gal (nominal) HDPE plastic drum 485 lb (220 kg) approximately 52 gallons (196 l) • 275 gal (nominal) IBC 2425 lb (1100 kg) approximately 259 gallons (982 l)
Transport	DOT Hazard Class 5.1 (oxidizer), Corrosive; UN Number 3149, Packing Group II
FDA Regulatory Status	Peracetic Acid 5% conforms to the FDA standards regarding sanitizing solutions as outlined in 21CFR §178.1010.

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