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VigorOx WWT II

An equilibrium solution of hydrogen peroxide and peracetic acid

Formula	CH ₃ COOOH	MW 76 g/mole
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Synonyms	Peroxyacetic acid, acetyl hydroperoxide, ethaneperoxic acid
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Typical Composition by Weight Percent

	Nominal
Peracetic Acid, %	15
Hydrogen Peroxide, %	23
Acetic Acid, %	16
Water (free), %	45
Stabilizer, %	<1

Chemical Properties

pH, 1% solution	2.9
Total active oxygen, %	14
active oxygen as peracid, %	3.2
active oxygen as H ₂ O ₂ , %	10.8
Other organics	Non detectable
Iron	<0.5 ppm

Physical Properties

Melting point	-49°C (-56°F)
Boiling point	108°C (226°F)
Vapor pressure	22mm Hg @ 25°C (77°F)
Appearance	Colorless liquid
Odor	Sharp, pungent, vinegar-like
Specific gravity	1.16 g/ml @ 20°C (68°F)
Solubility in water	100%
Flashpoint	68°C (154°F)
Autoignition temperature	270°C (518°F)

Shipment Information DOT Classification – 5.2 (Organic Peroxide) Subsidiary: 8 (Corrosive)

495 lb – 55 gallon drum; 3,000 lb – 330 gallon one way tote; Bulk

Uses

Antimicrobial (only as approved by the appropriate regulatory agencies), chemical oxidation, and bleaching.

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