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Active Oxidants Division  
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## Peracetic Acid 5%

An equilibrium solution of hydrogen peroxide and peracetic acid

CAS No. 79-21-0

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<b>Formula</b>	CH <sub>3</sub> COOOH	MW 76 g/mole
<b>Synonyms</b>	Peroxyacetic acid, acetyl hydroperoxide, ethaneperoxoic acid	

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### Typical Composition by Weight Percent

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	Nominal
Peracetic acid, %	5
Hydrogen peroxide, %	22
Acetic acid, %	10
Water (free), %	63

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### Chemical Properties

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pH, 1% solution	2.8
Total active oxygen, %	11.5
active oxygen as peracid, %	1.1
active oxygen as H <sub>2</sub> O <sub>2</sub> , %	10.4
Other organics	Non detectable
Iron	<0.5 ppm

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### Physical Properties

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Melting point	-26°C (-15°F)
Boiling point	99°C (210°F)
Vapor pressure	20mm Hg @ 25°C (77°F)
Appearance	Colorless liquid
Odor	Sharp, pungent, vinegar-like
Specific gravity	1.103 g/mL @ 20°C (68°F)
Solubility in water	100%
Flashpoint	83°C (182°F)
Autoignition temperature	270°C (518°F)

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**Shipment Information** DOT Classification - 5.1 (Oxidizer) Subsidiary: 8 (Corrosive)

495 lb - 55 gallon drum; 250 lb - 30 gallon drum; 45 lb - 5 gallon carboy

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### Uses

I&I bleach and chemical synthesis

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