

**FMC Corporation**  
Active Oxidants Division  
1735 Market Street  
Philadelphia, Pennsylvania 19103  
Phone: (215) 299-6000



## Peracetic Acid 15%

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

	<b>Nominal</b>
Peracetic acid, %	15
Hydrogen peroxide, %	10
Acetic acid, %	36
Water (free), %	39
Stabilizer, %	<1

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### Chemical Properties

pH, 1% solution	2.9
Total active oxygen, %	7.9
active oxygen as peracid, %	3.2
active oxygen as H <sub>2</sub> O <sub>2</sub> , %	4.7
Other organics	Non detectable
Iron	<0.5 ppm

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### Physical Properties

Melting point	-50°C (-58°F)
Boiling point	120°C (248°F)
Vapor pressure	19mm Hg @ 25°C (77°F)
Appearance	Colorless liquid
Odor	Sharp, pungent, vinegar-like
Specific gravity	1.15 g/mL @ 20°C (68°F)
Solubility in water	100%
Flashpoint	79°C (174°F)
Autoignition temperature	305°C (581°F)

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

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

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### Uses

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

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