



Hydrogen Peroxide - Chlorate Grade

CAS NO 7722-84-1

Introduction

Chlorate Grade hydrogen peroxide contains lower stabilizer levels and does not contain tin type stabilizers. It is used for hypochlorite control in chlorate cells where grades with higher stabilizer levels might interfere with electrode performance. This specialized product is available in either 20% or 50% concentrations.

<u>Specifications</u>	20%	50%
H ₂ O ₂ content, % by weight		
Product diluted at FMC sites	20.1-20.5	50.0-50.8
Stability, 24 hours @ 100° C	>96.0%	>96.0%

<u>Typical Properties</u>	20%	50%
Loss in % assay, 1 yr, 25° C	<0.4	<1.0
Apparent pH	2.7-3.2	1.1-1.6
Active oxygen content, %	9.4	23.5
Specific gravity (20° C/4° C)	1.07	1.20
Lbs/gal (kg/M ³ or g/L) @ 20° C	8.4 (1071)	10.0 (1198)
Boiling point, ° C (° F)	104 (219)	114 (237)
Freezing point, ° C	-15 (5)	-52 (-62)

FMC Corporation

Hydrogen Peroxide Division

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URL at: <http://www.fmcchemicals.com>**Standard Containers**

Polyethylene drums: 15 gallon (56.8 liter), 30 gallon (113.6 liter), 55 gallon (208.2 liter).

Bulk shipments are available in tank trucks and tank cars.

Hydrogen peroxide above 8% concentration is classified as an "Oxidizer" by the Department of Transportation and all containers must carry the yellow DOT label.