

Hydrogen Peroxide - B-Cap Antimicrobial Agent

B-Cap 70 EPA reg. No. 72372-3

B-Cap 50 EPA reg. No. 72372-2

B-Cap 35 EPA reg. No. 72372-1

CAS NO 7722-84-1

Introduction

B-Cap 35 and B-Cap 50 Antimicrobial Agents are used for biofouling control in cooling and process water systems, as a paper mill biocide, and for general slime control. B-Cap 35 and B-Cap 50 can be used in any FIFRA registered product formulated with H₂O₂ as the active ingredient. B-Cap is available in 35% and 50% concentration drums. B-Cap 70 is for manufacturing and it can be used in any FIFRA registered product formulation with H₂O₂ as the active ingredient.

<u>Specifications</u>	<u>35%</u>	<u>50%</u>	<u>70%</u>
H ₂ O ₂ content, % by weight			
Product diluted at FMC sites	35.0-35.8	50.0-50.8	70.0-70.8
Stability, 24 hours @ 100° C	³ 96.0%	³ 96.0%	

<u>Typical Properties</u>	<u>35%</u>	<u>50%</u>	<u>70%</u>
Loss in % assay, 1 yr, 25° C	<2.0	<2.0	<1.4

Apparent pH	2.0-3.0	1.0-2.0	0-1.0
Sn, ppm	<0.5	<0.7	<1.7
Fe, ppm	<0.02	<0.03	<0.04
Cr, ppm	<0.01	<0.015	<0.02
Ni, ppm	<0.01	<0.015	<0.02
Cu, ppm	<0.005	<0.007	<0.01
Active oxygen content, %	16.5	23.5	32.9
Specific gravity (20° C)	1.13	1.20	1.29
Lbs/gal (kg/M ³ or g/L) @ 20° C	9.4 (1126)	10.0 (1198)	10.8 (1294)
Boiling point, ° C (°F)	108 (226)	114 (237)	126 (259)
Freezing point, ° C (°F)	-33 (-27)	-52 (-62)	-40 (-40)

Standard Containers

Polyethylene drums: 55 gallon (208.2 liter), and Polyethylene totes 200-300 gallons (757-1135 liters).

Shipment in tank trucks and tank cars is not available.

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

NOTICE

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