



## AXCIDE

# LA 1209

### GENERAL

**AXCIDE LA 1209** is a combination biocide of Isothiazolinones and Bronopol. It has a broad-spectrum activity in inhibiting bacteria, moulds and yeasts in aqueous products. It is specially formulated for wet preservation of Magnesium and Copper ion-sensitive water based system. It is formulated with sodium salt stabilizer and never contains with volatile organic chemicals (VOC).

Composition	5-chloro-2-methyl-4-isothiazolin-3-one (CIT), 2-methyl-4-isothiazolin-3-one (MIT) and mixture of Bronopol.
Appearance	Colourless to light yellow clear liquid

### SPECIFICATIONS

<u>Properties</u>	<u>Typical Value</u>
2-Methyl-4-isothiazolin-3-one (MIT) Content, %	0.27-0.33
5-chloro-2-methyl-4-isothiazolin-3-one Content, %	0.8-0.90
Bronopol Content, %	8.40-9.20
Specific Gravity @ 25°C, g/cm <sup>3</sup>	1.05-1.07
pH @20°C	2.0 – 5.0
Solubility	Miscible with water and most low molecular alcohol and ethyl glycol
Stability	Stable at below 60°C, pH =2-9 under rays

### PACKING

200kg per UN approved PE drum or net weight in IBC tank.

### APPLICATIONS

AXCIDE LA 1209 is an excellent liquid biocide; it can inhibit the growth of microorganisms effectively in water based emulsion painting, polymer emulsion, adhesives or glue, filler and sealant, metal working fluids and wet state areas. The growth of microorganisms can be controlled significantly with a low concentration of chemicals. The ideal chemical dosages is 0.05-0.40% of total amount to be preserved, it also depends on susceptibility to microorganisms and storage condition.

Reg. No: 00316  
Issue: 1  
Doc. Date: 04.2005  
English Version



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The following table is shown some typical microorganisms and corresponding to MIC value (calculated as active CIT/MIT ppm).

Microorganisms		MIC Value
Bacteria	<i>Corynebacterium sp, Escherichia Coli, Klebsiella sp, Proteus penneri, Pseudomonas aeruginosa</i>	2.5
Moulds	<i>Aspergillus niger</i>	5.0
	<i>Penicillium funiculosum</i>	1.0
Yeasts	<i>Saccharomyces cerevisiae</i>	5.0

### TRANSPORT INFORMATION

N/A

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The above information is, to the best of our knowledge, true and accurate, but any recommendations or suggestions which may be made are without guarantee, since the conditions of use are beyond our control.

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