



nome prodotto : Conservante Nuosept 515

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NUOSEPT® 515 Preservative

For Aqueous Products

EPA Registration No. 6836-259-1100

EINECS Nos.: CIT, 247-500-7; MIT, 220-239-6

AICS Listed

General Description

NUOSEPT® 515 preservative is a high performance liquid organic biocide recommended for use in: paints and coatings, adhesives, polymer emulsions, latexes, mineral and pigment slurries and dispersions, water-based building compounds, sealants and caulks and pesticides for non-food applications (including fungicides and algacides) and oil in water emulsions.

NUOSEPT® 515 preservative offers many advantages. The mix of active ingredients in NUOSEPT® 515 has a proven performance record as a broad-spectrum antimicrobial agent. The spectrum of antimicrobial activity for NUOSEPT® 515 includes a wide range of commonly occurring bacteria, yeast and fungi. NUOSEPT® 515 is effective over the entire pH range normally encountered in paints. It does not impart color or odour.

Typical Properties

Active Ingredients:	
5-Chloro-2-methyl-4-isothiazolin-3-one	(CIT) 1.11%
2-Methyl-4-isothiazolin-3-one	(MIT) 0.39%
Total Active Ingredients:	1.50%
Inert Ingredients:	
Magnesium salts	2.5% approx.
Physical Form	Clear liquid
pH	4
Specific Gravity	1.02



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Fungi	Minimum Inhibitory Concentration (ppm)
<i>Aspergillus niger</i>	>750
<i>Aspergillus oryzae</i>	750
<i>Cheetomium globosum</i>	600
<i>Glocladium fimbriatum</i>	>750
<i>Mucor rouxii</i>	>750
<i>Penicillium funiculosum</i>	750
<i>Aureobasidium pullulans</i>	>750
<i>Rhizopus stolonifer</i>	750
Yeast	
<i>Candida albicans</i>	600
<i>Rhototorula rubra</i>	600
<i>Saccharomyces cerevisiae</i>	600
Bacteria	
Gram-Positive	
<i>Brevibacterium ammoniagenes</i>	600
<i>Bacillus cereus</i>	600
<i>Bacillus subtilis</i>	600
<i>Sarcina lutea</i>	600
<i>Staphylococcus aureus</i>	750
<i>Staphylococcus epidermidis</i>	600
<i>Staphylococcus agalactiae</i>	600
Gram-Negative	
<i>Achromobacter parvulus</i>	300
<i>Alcaligenes faecalis</i>	300
<i>Enterobacter aerogenes</i>	600
<i>Escherichia coli</i>	600
<i>Flavobacterium suaveolens</i>	600
<i>Klebsiella pneumoniae</i>	600
<i>Proteus vulgaris</i>	600
<i>Pseudomonas aeruginosa</i>	600
<i>Pseudomonas cepacia</i>	600
<i>Pseudomonas fluorescens</i>	600
<i>Pseudomonas oleovorans</i>	300
<i>Salmonella choleraesuis (typhi)</i>	600
<i>Shigella sonnei</i>	600
<i>Serratia marcescens</i>	600

Use Recommendation

The amount of NUOSEPT® 515 preservative required to provide protection to a formulation depends on the susceptibility and potential contamination sources of a product. Our experience suggests that a level of NUOSEPT® 515 of 0.05 - 0.15% by weight in the final formulation will protect aqueous products. It is recommended that various levels of NUOSEPT® 515 be tested in the product to determine appropriate use levels. To arrange for microbiological testing of your product to determine optimum use levels, contact your International Specialty Products representative.

Safety and Handling

Isothiazolinones at 1.5% active are corrosive and potential skin sensitizers. Contact with the eyes will cause eye damage. Contact with the skin, including contaminated clothing will cause skin burns. Repeated skin contact may cause an allergic reaction in sensitized individuals. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Remove contaminated clothing and wash before reuse. NUOSEPT® 515 should not be dispensed in aerosol form without proper self-contained breathing apparatus.

Storage and Disposal

Do not contaminate food or feed by storage or cleaning of equipment.

Container Disposal – Triple rinse or equivalent. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities.