



# COSAN CHEMICAL CORPORATION

481 RIVER ROAD • CLIFTON, N. J. • 07014 • 472-4400 • CODE 201

## COSAN 265

PRODUCT: COSAN 265 is a water soluble completely organic preservative highly effective against a broad spectrum of micro-organisms.

COSAN 265 is suggested for use as an antibacterial agent in water based systems such as latex paints and resin emulsions.

COSAN 265 offers protection to susceptible raw materials in all stages of production as well as the finished product during its service life. Suggested use levels for COSAN 265 are 0.05 - 0.2% based on total weight of formulation.

COSAN 265 is completely soluble in water at use levels and, therefore, does not present any difficulty in providing adequate distribution throughout a product composition. Good manufacturing practices, however, should call for the incorporation of COSAN 265 with pigments and/or extenders.

COSAN 265 functions over a wide pH range (4-10), even though a 2% aqueous solution has a pH of 8.5 - 9.0.

When COSAN 265 is employed as the package stability agent, no inordinate pH compensations need be made. Samples of latex paint containing 0.1% of COSAN 265 have shown no pH drift as compared to unpreserved samples after six months incubation.

Listed below are some MINIMAL INHIBITORY CONCENTRATION (MIC) of COSAN 265 against various microorganisms. This list is provided to show the broad spectrum activity of COSAN 265 and is not to be construed as a listing of organisms associated with the spoilage of latex paint and resin emulsions.

<u>ORGANISM</u>	<u>PPM</u>	<u>%</u>
<u>Pseudomonas aeruginosa</u>	250	0.025
<u>Bacillus subtilis</u>	62	0.0062
<u>Proteus sp.</u>	62	0.0062
<u>Escherichia coli</u>	250	0.0250
<u>Enterobacter aerogenes</u>	125	0.0125
<u>Staphylococcus aureus</u>	125	0.0175
<u>Salmonella choleraesuis</u>	62	0.0062
<u>Salmonella schottmuelleri</u>	62	0.0062

ACCEPTED

MAR 28 1975



COSAN 265

SPECIFICATIONS:

Active Ingredients

1.1'-(2-butenylene) bis (3,5,7-triaza-1-azoniaadamantane chloride) ..... 90%  
 Form ..... Free flowing powder  
 Particle size ..... 100% through 50 Mesh Screen  
 Bulking value ..... Approx. 7.2 gallons per 100 lbs.  
 Decomposition point ..... 150°C  
 pH (2% Water Solution) ..... 8.5 - 9.0  
 Color ..... Off White-Tan

HOW AND WHERE TO USE: COSAN 265 should be used in the preparation and storage of systems susceptible to deterioration by bacteria. The exact concentration of COSAN 265 required will vary with the composition to be protected, however, as guidelines, the following has been demonstrated to be effective:

Resin Emulsions - 0.05 - 0.15%  
 Latex Paint - 0.10 - 0.20%

FOR SPECIFIC RECOMMENDATIONS, PLEASE CONTACT COSAN CHEMICAL CORPORATION. MICROBIOLOGICAL ASSAY CAN DETERMINE THE LEVEL REQUIRED FOR YOUR PARTICULAR FORMULA AND DESIRED END USE. THE COSAN LABORATORIES ARE READY TO SUPPLY THIS GUIDANCE.

HANDLING: Handling precautions should include the use of eye shields, rubber gloves and protective clothing. In the event of skin contact, wash thoroughly with soap and water. For eye contact, flush with copious amounts of water. Clothing and shoes which have been grossly contaminated should be washed thoroughly before rewearing.

ACCEPTED  
 MAR 28 1975  
 UNDER THE FEDERAL INSECTICIDE  
 FUNGICIDE AND RODENTICIDE ACT  
 FOR ECONOMIC POISON REGISTERED  
 UNDER NO. 8489-22

RECEIVED  
 MAR 20 1975  
 REGISTRATION DIVISION  
 PESTICIDES, EPA

NOTICE: THIS INFORMATION RELATING TO THE USE OF COSAN 265 IS BASED UPON TESTS AND EXPERIENCE BELIEVED TO BE RELIABLE. THIS INFORMATION IS OFFERED AS PART OF OUR SERVICE TO CUSTOMERS AND IS INTENDED FOR USE BY PERSONS HAVING TECHNICAL SKILL. USER ASSUMES ALL RISKS OF USE, STORAGE OR HANDLING OF COSAN 265 NOT IN STRICT ACCORDANCE WITH THE LABEL AND INSTRUCTIONS PROVIDED HEREWITH. THIS INFORMATION IS NOT INTENDED AS A LICENSE TO OPERATE UNDER OR A RECOMMENDATION TO INFRINGE ANY PATENT COVERING COSAN 265 OR ITS USE.

Label also to be reduced to the size of a hang tag for roll goods. Size of type illustrated on attached hang tag.

**ACCEPTED**  
**AUG 10 1965**  
UNDER THE FEDERAL INSECTICIDE  
FUNGICIDE AND RODENTICIDE ACT  
FOR ECONOMIC POISON REGISTER  
ED UNDER NO. **8730-1**

**HERCULITE**

**STAPH-CHEK**

*0.6% Max. by weight*  
Bis(Tri-n-butyltin) Suffosalicylate \*

*\* 99.38% by weight*

**COLORS:**  
**GREEN BASE**  
**BLACK TYPE**

