



TECHNICAL INFORMATION SHEET

ACCEPTED
 JUN 12 1981
 Under the Federal Insecticide,
 Fungicide and Rodenticide Act,
 as amended, for the pesticide
 registered under
 EPA Reg. No. 8489-23

COSAN CHEMICAL CORPORATION

400 FOURTEENTH STREET • P.O. BOX 7 • CARLSTADT, N.J. 07072 • (201) 460-9300

COSAN 265 E.P.A. Reg. NO. 8489-23

PRODUCT: COSAN 265 is a 45% concentration of 1,1'-(2-Butenylene) bis(3, 5, 7-triaza-1-azoniaadamantane chloride), which is completely soluble in water. This organic preservative, when used at the recommended levels, will prevent bacterial deterioration of water-based systems.

USE: When used at the levels specified below, COSAN 265 will protect and preserve susceptible raw material, as well as finished product in the unopened can or package and throughout the product's useful service life.

TO PROTECT	USE THE FOLLOWING CONCENTRATIONS (BASED ON TOTAL WEIGHT OF SYSTEMS):
Latex Paints	0.2% - 0.4%
Resin Emulsions	0.1% - 0.3%
Latex Adhesives	0.2% - 0.4%
Dispersed Colors	0.2% - 0.4%
Ready-mix Joint Cements	0.15%-0.25%

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.

Because of the water solubility of COSAN 265, there is no difficulty in properly dispersing the preservative throughout a product composition. Good manufacturing practices, however, dictate the incorporation of this material as soon as possible in the manufacturing process to insure good distribution and to provide antibacterial activity to the formulation at an early state of manufacture. In addition, COSAN 265 functions over a wide pH range of 4-10, even though a 2% aqueous solution has a pH of 7.5.

Listed below are some MINIMAL INHIBITORY CONCENTRATIONS (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 paints and resin emulsions, etc.

ORGANISM	PPM	%
Pseudomonas aeruginosa	500	0.0500
Bacillus subtilis	125	0.0125
Proteus species	125	0.0125
Escherichia coli	500	0.0500
Enterobacter aerogenes	250	0.0250
Staphylococcus aureus	250	0.0250
Salmonella choleraesuis	125	0.0125
Salmonella schottmuelleri	125	0.0125

(Continued On Other Side)

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SPECIFICATIONS:

Active Ingredient: 1,1-(2-Butenylene) bis (3, 5, 7-triaza-1-azoniaadamantane chloride)..... 45%
Form:..... Free Flowing Powder
Particle Size:..... 99% through 325 Mesh Screen
Bulking Value:..... Approximately 21.3 Lbs. Per Cu.Ft.
Decomposition Point:..... 150 C
pH (2% Water Solution): 7.5
Color:..... Light Tan



NOTICE: This product is for industrial use only by persons having technical skill in formulating coatings, adhesives, inks, and other products and the COSAN CHEMICAL CORPORATION MAKES NO REPRESENTATION OR WARRANTY OF ANY KIND EXPRESS OR IMPLIED WITH RESPECT TO THE GOODS WHEN NOT USED IN STRICT ACCORDANCE WITH THE INSTRUCTIONS AND RECOMMENDATIONS GIVEN HEREWITH. Recommendations for the use of the product are based on tests that Cosan Chemical Corporation has performed. The performance of this product is dependent on many factors which may vary from manufacturer to manufacturer. Cosan Chemical Corporation is not responsible for results when the product is used under conditions not contemplated in the instructions. When the product is used under unsanitary conditions or when the equipment is contaminated with such raw materials as to contaminate the product, under no circumstances will Cosan Chemical Corporation be liable for consequential damages to any one in excess of the purchase price of the product. Use, storage, disposal, use, storage, and handling instructions are given with the precautionary statements and storage recommendations on the labeling.

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**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND ANIMALS**

CAUTION

HARMFUL IF SWALLOWED. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. DO NOT BREATHE DUST AND OR SPRAY MIST. WASH AFTER HANDLING MATERIAL. PRODUCT MAY BE ABSORBED THROUGH THE SKIN.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not discharge into lakes, streams, ponds or public waters unless in accordance with a NPDES permit. For guidance contact your Regional Office of the EPA.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. See Technical Information Sheet No. 143A for use directions.

STORAGE AND DISPOSAL

1. PROHIBITIONS

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.

2. PESTICIDE DISPOSAL

Pesticide, spray mixture or rinsate that cannot be used, or chemically reprocessed should be disposed of in a landfill approved for pesticides or buried in a safe place away from water supplies.

3. CONTAINER DISPOSAL

Dispose of in an incinerator or landfill approved for pesticide containers, or bury in a safe place.

4. GENERAL

Consult federal, state or local disposal authorities for approved alternative procedures, such as limited open burning.

**FOR USE AS A PRESERVATIVE
MANUFACTURING LATEX PAINTS,
EMULSIONS, ADHESIVES, DYES,
COLORS, AND READY-MIXED**

COSAN

ACTIVE INGREDIENT:

1,1'-(2-Butenylene) bis(3,5,7-triaza-1-azonia)

INERT INGREDIENTS:.....

TOTAL

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED	Do not induce vomiting. Drink large quantities of fluid.
IF ON SKIN	Wash thoroughly with soap and water for at least 15 minutes.
IF IN EYES	Hold the lids open and flush immediately with a slow stream of water for 15 minutes, and get medical attention.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONS

COSAN. CHEMICAL



**FOR USE AS A PRESERVATIVE IN
MANUFACTURING LATEX PAINTS, RESIN
EMULSIONS, ADHESIVES, DISPERSED
COLORS, AND READY-MIXED CEMENTS.**

U.S. PATENT OFFICE
JUL 12 1981
U.S. PATENT OFFICE
REGISTERED UNDER
EPA Reg. No. 8489-23

COSAN 265

ACTIVE INGREDIENT:
1,1'(2-Butenylene) bis(3, 5, 7-triaza-1-azoniaadamantane chloride) 45%

INERT INGREDIENTS:..... 55%

TOTAL 100%

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED Do not induce vomiting. Drink large quantities of fluid and call a physician immediately.

IF ON SKIN Wash thoroughly with soap and water for at least 15 minutes

IF IN EYES Hold the lids open and flush immediately with a slow stream of water. continue this procedure for at least 15 minutes, and get medical attention

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS



**ENTS
NIMALS**

**GET IN EYES,
OT BREATHE
ER HANDLING
ABSORBED**

RDS
discharge into
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For guidance
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empty container

not be used, or
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