

TECHNICAL INFORMATION SHEET

ACCEPTED

JUN 12 1981

Under the Federal Insecticide, Fungicide, and Rodenticide Act
recommended for the pesticide
registered under
EPA Reg. No. 8489-24

COSAN CHEMICAL CORPORATION

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

COSAN 91

E.P.A. Reg. No. 8489-24

PRODUCT: COSAN 91 is a liquid organic compound which is water soluble and recommended for use as an industrial preservative against bacterial deterioration in water-based systems such as resin emulsions, adhesives, dispersed colors, and ready-mixed joint cements.

When a product contains water, it is subject to attack by bacteria, unless a functional preservative is used at the proper concentration. COSAN 91 has been specifically designed to offer protection to susceptible raw material, as well as finished product during its service life. Suggested use levels are from 0.05% to 0.2% based on total weight of formulation. COSAN 91 is completely soluble in water and therefore does not present any difficulty in distributing itself throughout an aqueous composition. It is recommended, however, that COSAN 91 be added as soon as possible in the manufacturing process. This will assure good distribution and provide antibacterial activity to the formulation at an early stage.

USE: When added at the levels listed below, COSAN 91 will preserve the indicated substrates against bacterial deterioration in the unopened can or package, during use, after opening the container, and through the product's useful service life.

USE THE FOLLOWING CONCENTRATIONS (BASED ON TOTAL WEIGHT OF SYSTEMS):

TO PROTECT

Resin Emulsions	0.05%-0.1%
Latex Adhesives	0.1%-0.2%
Dispersed Colors	0.05%-0.1%
Ready-mix Joint Cements	0.1%-0.2%

Specifications:

Active Ingredient: 2-[(Hydroxymethyl) amino] ethanol	100
Physical Form:	Clear Amber Liquid
Specific Gravity (80 F)	1.144-1.153
Lbs/Gal (80 F)	9.5-9.6
pH	11.0 ± 0.5
Viscosity (Gardner) (max)	L
Color (Gardner) (max)	5
Solubility	Completely Soluble in Water

FOR SPECIFIC RECOMMENDATIONS, PLEASE CONTACT 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

NOTICE

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**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND ANIMALS**

WARNING

Concentrated solutions are corrosive and cause severe eye and skin damage. Do not get in eyes, skin or on clothing. **MAY BE FATAL OR HARMFUL IF SWALLOWED.** Precautions should include the use of eye shields, rubber gloves and protective clothing. Do not breathe spray mist. Use with adequate ventilation. Wash thoroughly after handling.

In case of severe burns medical attention should be obtained immediately. Remove and wash contaminated clothing before reuse.

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. 996 for use directions.

STORAGE AND DISPOSAL

1. PROHIBITIONS

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

2. PESTICIDE DISPOSAL

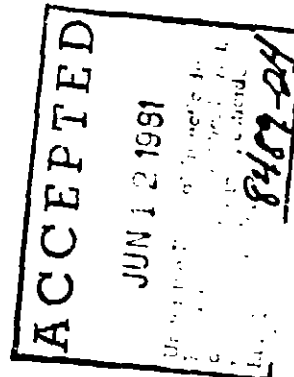
Pesticide, spray mixture, or rinsate that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticides or buried in a safe place away from water supplies.

3. CONTAINER DISPOSAL

- (a) Reseal container and offer for reconditioning, or
- (b) Triple rinse (or equivalent) and:
Offer for recycling, reconditioning, or disposal in approved landfill, or bury in a safe place.

4. GENERAL

Consult federal, state or local disposal authorities for approved alternative procedures.



**FOR USE AS A PRESER
MANUFACTURING RESIN
ADHESIVES, DISPERSE
AND READY-MIXED C**

COSAN

ACTIVE INGREDIENT:

2-[(Hydroxymethyl) amino] ethanol.....

THIS PRODUCT CONTAINS 9.53 LBS. 2-[(Hydro

KEEP OUT OF REACH

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STATEMENT OF PRACTIC

IF SWALLOWED:	Drink promptly a large quantity of milk, egg white or water. Avoid alcohol. CALL A PHYSICIAN.
IF ON SKIN:	Immediately remove contaminated clothing. Wash with soap and water. Do not reuse clothing.
IF IN EYES:	Flush with water for at least 15 minutes, and get medical attention.
NOTE TO PHYSICIAN:	Probable mucosal damage may contraindicate shock, respiratory depression and convulsion.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY S



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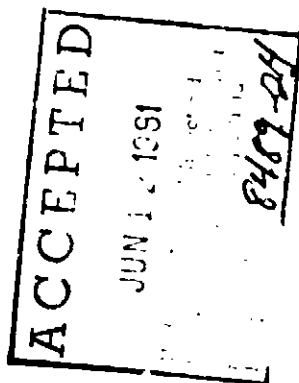
DISPOSAL

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

COSAN 91

ACTIVE INGREDIENT:

2-[(Hydroxymethyl) amino] ethanol.....100%

THIS PRODUCT CONTAINS 9.53 LBS. 2-[(Hydroxymethyl) amino] ethanol PER GALLON

KEEP OUT OF REACH OF CHILDREN WARNING

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED.	Drink promptly a large quantity of milk, egg whites, gelatin solution or if these are not available, drink large quantities of water. Avoid alcohol. CALL A PHYSICIAN IMMEDIATELY
IF ON SKIN	Immediately remove contaminated clothing. Wash affected areas with soap and water. Wash contaminated clothing before reuse
IF IN EYES	Flush with water for at least 15 minutes, and get medical attention
NOTE TO PHYSICIAN	Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

