

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND  
DOMESTIC ANIMALS**

**DANGER!**

**CAUSES EYE BURNS AND SKIN IRRITATION.  
HARMFUL OR FATAL IF SWALLOWED OR ABSORBED  
THROUGH SKIN.**

Do not get in eyes, on skin, or on clothing.

Do not breathe vapors.

Use with adequate ventilation.

Wear goggles or face shield and rubber gloves when handling.

Wash thoroughly after handling.

Immediately remove and wash contaminated clothing before reuse.

**PRACTICAL STATEMENTS OF TREATMENT:**

**EYES:** In case of contact, flush with plenty of water for at least 15 minutes. Get medical attention immediately.

**SKIN:** In case of contact, flush with plenty of soap and water. Get medical attention immediately.

**INTERNAL:** If swallowed, call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger or, if available, by administering syrup of ipecac. Do not induce vomiting or give anything by mouth to an unconscious person.

**INHALATION:** Immediately remove affected person from contaminated area to fresh air. Immediately contact physician.

**ENVIRONMENTAL HAZARDS**

This product 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. Do not contaminate water by cleaning of container and equipment or disposal of wastes. Apply this product only as specified on this label.

**STORAGE AND DISPOSAL**

Keep container closed when not in use. Do not contaminate water, food, or feed by storage or disposal. Reseal empty container and offer for reconditioning or bury in a landfill approved for pesticide disposal.



# METASOL T-10WB

**A Water-Based Formulation to Inhibit and Control  
the Growth of Microorganisms in Pulp and Paper Mills**

Active Ingredients:	
Methylene Bisthio cyanate	10.0%
Inert Ingredients	90.0%
Total	100.0%

8.8 Lbs. per Gallon

**Net Weight**

**DANGER**

**KEEP OUT OF REACH OF CHILDREN**

ACCEPTED

10445-66

OFFER THE FEDERAL INSPECTION  
OFFICE OF THE FEDERAL INSPECTION

**CALGON CORPORATION**  
CALGON CENTER, PITTSBURGH, PA. 15230

**DIRE**

It is a violation of the manner inconsistent

**Dosage** — Add Metasol to water or stock system treated water (0.07% gallon of treated water 0.001 lb./ton of fiber).

Under conditions of water, high levels of fungi, dosages apply 10WB/1000 gallon.

**Method of Addition** — Add directly to the location in the mass of fiber inlet, broke chests, water tanks. The continuous or intermittent timer to facilitate dosing. Under most conditions of severe conditions (mended).

**NOTICE TO BUYER** — handling which are conditions hereon. There beyond the description.

E.P.A. Reg.  
☐ EPA Reg.  
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☐ EPA Reg.

For information and environmental request to speak to

EMENTS  
AND

IRRITATION.  
DROPPED OR ABSORBED

on clothing.

rubber gloves when

contaminated clothing

TREATMENT:

with plenty of water for  
attention immediately.  
with plenty of soap and  
thoroughly.

Physician or Poison Con-  
trol of water and induce  
vomiting with finger or, if  
necessary, ipecac. Do not in-  
duce vomiting to an uncon-

affected person from  
immediately contact phy-

do not discharge into lakes,  
unless in accordance  
with local regulations. Do not  
contaminate water by  
improper use or disposal of  
this product as specified on this

use. Do not contaminate  
ground or disposal. Reseal  
immediately or bury in  
disposal.



SUBSIDIARY OF MERCK & CO., INC.

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REGISTERED

10445-60

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**CALGON CORPORATION**

**CALGON CENTER • PITTSBURGH, PA. 15230**

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

### Slime Control

**Dosage** — Add Metasol T-10WB to the paper mill white water or stock system at 1.09-10.9 fluid oz./1000 gallon treated water (0.075 to 0.75 lb. Metasol T-10WB/1000 gallon of treated water is equivalent to 0.0001 lb. to 0.001 lb./ton of finished paper).

Under conditions of extensive recirculation of white water, high levels of fillers in the furnish, and/or generally severe levels of potential slime-forming bacteria and fungi, dosages approaching 10.9 fluid oz. Metasol T-10WB/1000 gallon of treated water can be used.

**Method of Addition** — Metasol T-10WB should be added from the drum by means of proportioning pumps directly to a location that will ensure uniform distribution in the mass of fiber and water, such as beaters, Jordan inlet, broke chests, furnish chests, save-alls and white water tanks. The addition can be made either on a continuous or intermittent basis and scheduled by an automatic timer to facilitate handling and ensure accurate dosing. Under most operating conditions intermittent feed of several hours each shift is recommended. Under severe conditions of slime, continuous feed is recommended.

**NOTICE TO BUYER:** Buyer assumes all risks of use and handling which are at variance in any way with the directions hereon. There are no warranties which extend beyond the description on this label.

E.P.A. Registration No. 10445-60

☐ EPA Registration No. 10445-PA-01

☐ EPA Registration No. 10445-NJ-01

☐ EPA Registration No. 10445-CA-01

☐ EPA Registration No. 10445-TX-01

☐ EPA Registration No. 10445-MO-01

For information regarding incidents involving human and environmental exposure, call (412) 777-8000 and request to speak to Regulatory and Trade Affairs



# METASOL® T-10WB

## PAPER CHEMICALS PRODUCT BULLETIN

### Special Biocide Formulation Minimizes Pumping and Handling Problems While Controlling Organisms In Pulp and Papermill Systems

Calgon® Metasol T-10WB, a water-based formulation of methylene bithiocyanate, is designed to improve mill performance by keeping pulp and papermaking equipment free of deposits caused by the growth of slime-producing organisms.

Because it is formulated as a stable water-based emulsion, Metasol T-10WB overcomes the problems associated with organic solvent systems, such as pumping difficulties, product instability, and the hazards of handling.

#### Broad Spectrum Activity

*Metasol T-10WB provides broad spectrum control of slime-producing bacteria, yeast, and fungi commonly found in paper mill systems. Reliable biological slime control is achieved with the use of a single product treatment.*

#### Reduces Downtime

*By minimizing the buildup of biological slime, a slime control program with Metasol T-10WB will reduce unscheduled downtime, machine clean-up requirements and wet-end breaks. As a result, there is an increase in systems reliability and plant productivity.*

#### Safeguards Product Quality

*Metasol T-10WB, by controlling microbiological growths, will reduce the number of sheet holes and spots. Product quality is assured, and less off-spec paper is produced.*

#### Compatible with Commonly Used Paper Mill Additives

*At use levels, Metasol T-10WB is completely compatible with commonly used paper mill additives.*

#### Improved Pumpability

*Metasol T-10WB is supplied as an easy-to-use water emulsion and can readily be fed directly from the shipping container using a Calgon chemical proportioning pump.*

#### F&DA Accepted

*Metasol T-10WB is accepted for use as a slimicide in the manufacture of paper and paperboard intended to contact food under Section 176.300 (formerly Section 121.2505) of Title 21 of the Code of Federal Regulations.*

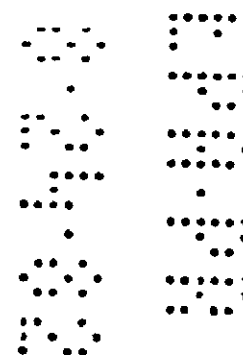
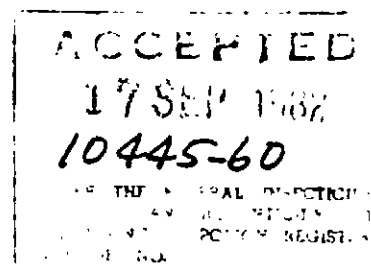
#### No Organic Solvents

*Metasol T-10WB contains no organic solvents. This minimizes problems associated with organic solvents such as odors, fire hazard and insolubility in water.*

#### DIRECTIONS FOR USE

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Laboratory evaluations show that Metasol T-10WB in concentrations of 9 to 90 ppm will inhibit the growth of slime-forming bacteria and fungi usually encountered in pulp and paper mill systems. Metasol T-10WB can be added to the paper mill white water or stock system



at 1.09 - 10.9 fl. oz/1000 gal. of treated water (0.075 to 0.75 lb/1000 gal. of treated water is equivalent to .0001 to .001 lb/ton of finished paper.)

Under conditions of extensive recirculation of white water, high levels of fillers in the furnish, and/or generally severe levels of potential slime-forming bacteria and fungi, dosages approaching 10.9 fl. oz/1000 gal. of treated water are recommended. Under less severe conditions, lower dosages approaching 1.09 fl. oz/1000 gal. of treated water can be used. Each mill system varies considerably so that the actual amount of Metasol T-10WB required to minimize bacterial and fungal slime is best determined by actual test in the system.

Calgon Corporation offers the services of trained professional chemical engineers and microbiologists who can offer technical assistance in solving in-plant slime control problems.

#### Method of Addition

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#### TYPICAL PHYSICAL PROPERTIES

Active Ingredient	10% methylene bithiocyanate
Appearance	Light green-yellow dispersion
Weight per Gallon	8.8 ± 0.2 lb/gallon
pH	3.0 ± 0.5
Freeze point	0°C, 32°F
Viscosity	2200 ± 400 cps

#### PACKAGING

Metasol T-10WB is available in 55 gallon non-returnable lined steel drums (475 lbs. net weight) and returnable liquid bins.

Freight classification: disinfectants, other than medicinal and other toilet preparations.

#### PRECAUTIONS

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Calgon representatives are located at service centers throughout the United States, ready to help you on any boiler or cooling water treatment program. For assistance, contact the closest Calgon Regional Office.

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CHATTANOOGA • CHICAGO • DENVER • DETROIT  
FARMINGTON • HOUSTON • LOS ANGELES  
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