

METASOL T-10

ACTIVE INGREDIENT
Methylene Bisthiocyanate 10%
INERT INGREDIENTS 90%

WARNING!

MAY PRODUCE DELAYED CHEMICAL BURNS
MAY BE HARMFUL OR FATAL IF SWALLOWED
OR ABSORBED THROUGH SKIN

CAUSES EYE BURNS AND SKIN IRRITATION

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

Wear goggles and rubber gloves when
handling

Wash thoroughly after handling

Do not breathe vapor.

ANTIDOTE Call a physician at once!

If swallowed: Give milk or white of egg beaten with water; then give a tablespoonful of salt in a glass of warm water, and repeat until vomit fluid is clear. Repeat milk or white of egg beaten with water.

If on skin: Wash immediately with soap and warm water.

If in eyes: Flush with water for at least 15 minutes.

8314001

Inhibits and Controls Growth
of Slime-Forming Bacteria and
Fungi in Pulp and Paper Mills

NET WT. 450 LB.



MERCK CHEMICAL DIVISION
MERCK & CO., INC. • RAHWAY, N.J. 07065, U.S.A.

DOSAGE—Add liquid to machine required by actual test. In no event exceed 10.9 fl. oz. or 0.75 lb. per 100 gallons of treated water. Refer to sheet.

DISPOSAL OF EMPTY CONTAINERS and SPILLAGE

(a) Non-returnable Containers: Do not reuse. When empty, rinse thoroughly. Perforate and bury container.

(b) Returnable Containers: Do not reuse. Immediately after use, seal tightly. Clean outside thoroughly. Return to supplier.

(c) Spillage: Flush spillage with water.

This product is toxic to fish and other aquatic life. Do not use in or near any body of water. Do not use for cleaning of equipment, or disposal of effluent waters. Treated effluent waters may be harmful to other aquatic life.

NOTICE TO BUYER—Buyer assumes responsibility for safe use and handling which are not warranted in any way with the direct use of this product. There are no warranties which are made in this description on this label.

EPA REG. NO. 2079

MERCK & CO., INC.
RAHWAY, N.J. 07065

METASOL T-10

Product 91595

METASOL[®]

T-10

LOT

Inhibits and Controls Growth
of Slime-Forming Bacteria and
Fungi in Pulp and Paper Mills

NET WT. 450 LB.



MERCK CHEMICAL DIVISION
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DOSAGE — Add liquid to machine in amount required by actual test. In no event must the dosage exceed 10.9 fl. oz. or 0.75 lb. product per 1000 gallons of treated water. Refer to the Product Data sheet.

**DISPOSAL OF EMPTY CONTAINERS
and SPILLAGE**

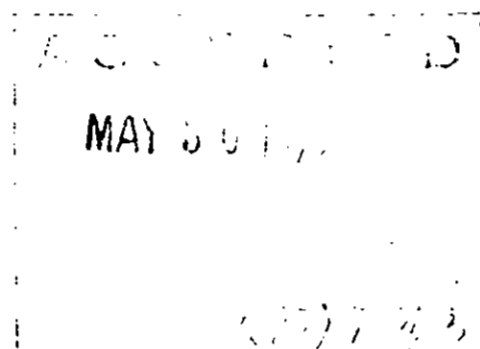
- (a) **Non-returnable Containers:** Do not reuse containers. When empty, rinse thoroughly with water. Perforate and bury container.
- (b) **Returnable Containers:** Do not reuse containers. Immediately after use, seal tightly and wash outside thoroughly. Return to supplier.
- (c) **Spillage:** Flush spillage with large quantities of water.

This product is toxic to fish and wildlife. Keep out of any body of water. Do not contaminate water by cleaning of equipment, or disposal of wastes. Treated effluent waters may be harmful to fish and other aquatic life.

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.

EPA REG. NO. 2079-33 AA

Made in U.S.A.



METASOL T-10

Product #91595

DESCRIPTION:

METASOL T-10 is a nonviscous, pale amber liquid containing methylenebis (thiocyanate) designed for use in controlling slime-producing organisms in pulp and paper mill systems. The product has a broad spectrum of activity against bacteria and fungi and has been found to be extremely effective at low cost levels. METASOL T-10 can be used as a slimeicide in the manufacture of paper or cartons intended for the food packaging industry.

SPECIFICATIONS:

Chemical name:	Methylenebis (thiocyanate)
Description:	Nonviscous liquid
Active ingredient:	10% minimum active ingredient
Color:	Pale amber
Specific gravity:	1.053
Weight per gallon:	8.97 lbs.
Freezing point:	10°F.
Flash point:	195°F.

PACKAGING:

55-gallon lined metal drums, net weight 450 lbs.

PRECAUTIONS:

Do Not use in water intended for human consumption

METASOL T-10 should be used with proper safety precautions. Personnel should be equipped with rubber gloves, aprons and goggles. Do not breathe vapor. Do not get in eyes, on skin, on clothing. Causes eye burns and skin irritation. Wash thoroughly after handling.

This product is toxic to fish and wildlife. Keep out of any body of water.

If Swallowed: Give milk or white of egg beaten with water; then give a tablespoonful of salt in a glass of warm water, and repeat until vomit fluid is clear. Repeat milk or white of egg beaten with water.

If on Skin: Wash immediately with soap and warm water.

If in Eyes: Flush with water for at least 15 minutes.

RECOMMENDED USES AND APPLICATIONS

FOR BACTERIAL AND FUNGAL SLIME CONTROL
IN PULP AND PAPER MILL SYSTEMS

RECEIVED
5-30-72
2079-33

DOSAGE:

Test data show that METASOL T 10 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-10 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 lbs./1000 gal. of treated water equivalent to .0001 lbs. to .001 lbs./ton of finished paper). Under conditions of extensive recirculation of white water, high levels of fillers in the furnish and 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, should be used. Each mill system varies considerably so that the actual amount of METASOL T-10 required to minimize bacterial and fungal slime is best determined by actual test in the system.

The Merck Chemical Division 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:

METASOL T-10 should be added from the drum by means of proportionating pumps directly into the mill system. The addition can be made either on a continuous or intermittent basis and scheduled by an automatic timer to facilitate handling and insure accurate dosing. Under most operating conditions intermittent feed of several hours each shift is recommended. Under severe conditions of slime, continuous feed is recommended.