

METASO D3T-H

DANGER!

CAUSES EYE DAMAGE AND SKIN IRRITATION.
HARMFUL IF SWALLOWED.

Do not get in eyes, on skin, on clothing.
Wear goggles or face shield, rubber gloves, and
aprons when handling.
Wash thoroughly after handling.
Do not breathe vapor or spray mist.

FIRST AID: In case of contact, immediately flush
eyes or skin with plenty of water for at least 15
minutes. For eyes, call a physician. Remove and
wash contaminated clothing before reuse.

If **swallowed**, promptly induce vomiting by giving
a tablespoonful of salt in a glass of warm water,
repeat until vomit fluid is clear. Then give milk or
white of egg beaten with water. Avoid alcohol. Call
a physician immediately.

NOTE TO PHYSICIAN: Gastric lavage with a stomach
tube is contraindicated. Measures against circulatory
shock, respiratory depression, and convulsion may
be needed.

EPA Est. 2079 NJ 1

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

NET WT. 480 LB.



MERCK CHEMICAL DIVISION
MERCK & CO., INC. • RAHWAY, NEW JERSEY 07065, U.S.A.

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METASOL D3T-H

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Product 91534

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ACTIVE INGREDIENTS

Tetrahydro-3,5-dimethyl 2H-1,3,5-thiadiazine
2-thione, sodium salt 21%
2-Mercaptobenzothiazole, sodium salt 6%

INERT INGREDIENTS

"Alkali Solubilized" 73%

DOSAGE — Refer to the Product Data Sheet for directions.

DISPOSAL OF EMPTY CONTAINERS — Do not reuse empty drum. Send to drum reconditioner or destroy by perforating or crushing and burying in a safe place.

This product is toxic to fish. Treated effluent should not be discharged where it will drain into lakes, streams, ponds, or public water. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label.

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. 2079-22-AA **Made in U.S.A.**



PRODUCT DATA

METASOL® D3T-H
Product #91534

1/8/75

DESCRIPTION:

METASOL D3T-H is an aqueous alkaline solution of a saturated thiadiazine. It is completely miscible with water, aqueous acids and alkalis. The product has a broad spectrum of activity against microorganisms and is effective for the control of slime-producing organisms in pulp and paper mills at low cost levels. It can be used as a slimeicide in the manufacture of paper and paperboard used in food packaging.

SPECIFICATIONS:

1. Chemical name: Tetrahydro-3, 5-dimethyl-2H-1, 3, 5-thiadiazine-2-thione
2. Description: Nonviscous liquid
3. Active ingredients: Tetrahydro-3,5-dimethyl-2H-1,3,5-thiadiazine-2-thione, sodium salt...21%
2-Mercaptobenzothiazole, sodium salt...6%
4. Color: Pale amber
5. Specific gravity: 1.12
6. Weight per gallon: 9.3 lb. (1,160 grams per liter)
7. Freezing point: 0° F.
8. Flash point: None

PACKAGING:

55-gallon lined metal drums, net weight 480 lb.

PRECAUTIONS:

DO NOT use in water intended for human consumption.
Equipment used in contact with full strength METASOL D3T-H should be steel or stainless steel.

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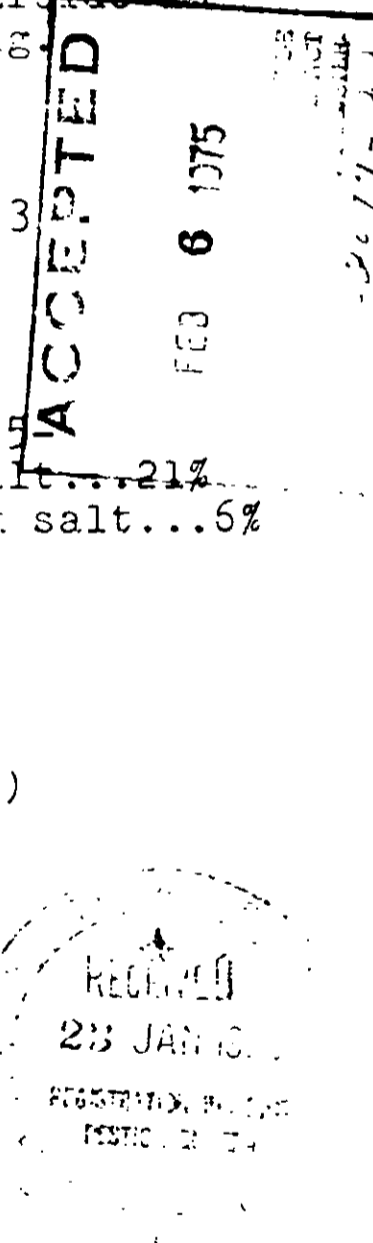
Wash thoroughly after handling. Do not breathe vapor or spray mist.

EPA Registration No. 2079-22

Federal Register § 121.2505
dated September 19, 1960

MERCK CHEMICAL DIVISION

MERCK & CO., INC., NEW JERSEY, N.J.



FIRST AID:

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash contaminated clothing before reuse.

If swallowed, promptly induce vomiting by giving a tablespoonful of salt in a glass of warm water; repeat until vomit fluid is clear. Then give mild or white of egg beaten with water. Avoid alcohol. Call a physician immediately.

NOTE TO PHYSICIAN:

Gastric lavage with a stomach pump is contraindicated. Measures against circulatory shock, respiratory depression, and convulsion may be needed.

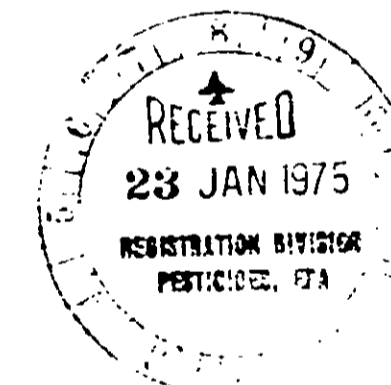
DISPOSAL OF EMPTY CONTAINERS:

Do not reuse empty drum. Send to drum reconditioner or destroy by perforating or crushing and burying in a safe place.

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RECOMMENDED USES AND APPLICATIONS

For Bacterial and Fungal Slime Control
in Pulp and Paper Mill Systems



DOSAGE:

Test data show that METASOL D3T-H in concentrations of 50-200 parts per million will inhibit the growth of slime-forming bacteria and fungi in pulp and paper mill systems. Each mill system varies considerably with respect to the components of the furnish, white water temperatures, the extent of good housekeeping and types of equipment in use. The amount of METASOL D3T-H required to minimize bacterial and fungal slime is best determined by actual test in the system, and usually falls in the range of 0.5-2.5 lb/ton of finished product.

The Merck Chemical Division offers the service of trained professional chemical engineers and microbiologists who can offer technical assistance in solving in-plant slime control problems.

METHOD OF ADDITION:

METASOL D3T-H can be added directly from the drums to points in the wet end of the mill system by means of pumps or gravity feed. Good agitation is required for rapid dispersion. Continuous addition is the preferred method to insure adequate concentrations. This may be accomplished by use of metering pumps. Shock dosage is to be avoided.