

95/2000

CALGON CANADA, INC.

METASOL(R) 300

MICROBIOCIDICIDE

COMMERCIAL

CAUTION POISON

GUARANTEE:

Sodium dimethyldithiocarbamate 15%

Nabam 15%

REGISTRATION NO. 18211.01

PEST CONTROL PRODUCTS ACT

READ THE LABEL BEFORE USING

NET WEIGHT: 1288 KG. (2840 LB.)

CALGON CANADA INC.

27 FINLEY ROAD

BRAMALEA, ONTARIO

L6T 1B2

PRECAUTIONARY STATEMENTS

Causes eye and skin irritation. Do not get in eyes, on skin or on clothing. Wear goggles or face shield, rubber gloves and protective clothing (hats, long sleeve shirt, long pants and boots) when handling. Harmful if swallowed. Avoid contamination of food and feedstuffs.

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, drink promptly a large quantity of milk, egg white, gelatin solution or, if these are not available, drink large quantities of water. Call a physician immediately.

DISPOSAL:

1. Rinse the emptied container thoroughly and add the rinsings to treatment site.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal or reconditioning.
3. Dispose of the container in accordance with provincial requirements.
4. For information on the disposal of unused, unwanted product and the cleanup of spills, contact the regional office of Environmental Canada.
5. For small spills. Recover free liquid. Soak up residue with solids absorbent. DO NOT FLUSH INTO SURFACE STREAMS. INFORM ENVIRONMENT CANADA AS IN #4.

NOTICE TO USER

This control product is to be used only in accordance with the directions on this label. It is an offence under the Pest Control Products Act to use a control product under unsafe conditions.

METASOL 300

DIRECTIONS

INDUSTRIAL RECIRCULATING WATER COOLING TOWERS
AND EVAPORATIVE CONDENSERS
(NOT FOR USE IN POTABLE WATER)

Dosages for industrial recirculating water cooling towers or evaporative condensers will depend on the condition of the system prior to treatment initiation. Systems which are heavily contaminated should be cleaned first. Apply METASOL 300 to the cleaned system or when growth is first noticed, according to the following schedule:

INITIAL DOSE: Apply 1.2 litres of product per each 10,000 litres of water in the system (120 ppm). This dose may be repeated

once, twice or three times weekly or as required to control the growth of slime-forming organisms.

SUBSEQUENT DOSE: When microbial control is evident, add 0.2-0.4 litres of METASOL 300 per 10,000 litres of water (20-40 ppm) in the system every three days or as needed.

AIR WASHERS WITH EFFECTIVE MIST ELIMINATORS

In treating air washer systems preclean by introducing a suitable detergent solution into the system and allow air washer to run with fan off for two hours. Flush. Check all nozzles and manually clean those that are plugged. Add product as specified under dosages for Cooling Towers.

FEEDING METASOL® 300 may be fed directly from the drum or diluted with water and fed by any suitable feed system. METASOL® 300 should be dosed directly into the sump or basin or any other location where good distribution can be assured.

PAPER MILLS

Dosage will vary from 0.05 to 0.5 kg (0.042 to 0.42 litres) of METASOL® 300 per tonne of finished paper depending on the type of stock, complexity of the system, quality of raw water, and type and degree of contamination.

FEEDING

METASOL® 300 may be drip fed continuously from the drum or fed by suitable chemical pumps such as adjustable proportioning types; variable speed, positive displacement types; or by the reciprocating type. This product should be fed as early as possible in the system at such points including the hydropulper, machine chest or broke system.

DRILLING FLUIDS

METASOL® 300 is a highly effective microbiocide for use in controlling the growth of fungi and bacteria found in water based drilling muds. It is especially useful in muds containing starches, xanthanate gums, and wood sugars. The uncontrolled growth of these fungi and bacteria can cause increased corrosion, undesirable odors, and degradation of the drilling mud, especially fluid loss properties.

METASOL® 300 is used at the rate of 5 to 25 litres per 20,000 litres of mud (0.02% to 0.1%). It can be used directly from the shipping container or prediluted with water. It can be put in through the mud hopper or added to the pump suction.

SECONDARY AND TERTIARY PETROLEUM RECOVERY

METASOL® 300 is a highly effective microbiocide for use in controlling the growth of fungi and bacteria found in secondary and tertiary petroleum recovery waterflood systems. METASOL® 300 can be injected directly from the shipping container. It should be thoroughly mixed into the produced water, fresh or salt water or commingled water or the secondary or tertiary oil recovery waterflood systems for effective microorganism control. It may be diluted with water for injection. METASOL® 300 is used at the rate of 0.625 litres per 20,000 litres of water for growth inhibition of *Bacillus Cereus* and *Desulfovibrio desulfuricans* and 5.5 to 9 litres per 20,000 litres of water for heterotropic bacteria including *Pseudomonas*. It is also effective against many fungi such as *Aspergillus*, *Penicillium* and *Trichoderma* at the 0.625 litres per 20,000 litres of water.

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